



What's New | PUBLIC

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What's New in SAP S/4HANA 2021

Content

1	What's New	7
2	Asset Management	8
2.1	Maintenance Management	8
2.2	Environment, Health, and Safety	52
2.3	Resource Scheduling	78
2.4	Country/Region Specifics	91
3	Finance	92
3.1	Deprecation of SAP Design Studio Apps in Finance	92
3.2	Fiori Content for Finance	93
3.3	Functional Currency - Availability in Finance Apps	94
3.4	Deprecation of ProfitabilitySegment in CDS Views for Finance	98
3.5	Financial Planning and Analysis	99
3.6	Accounting and Financial Close	132
3.7	Treasury Management	231
3.8	Financial Operations	281
3.9	Billing and Revenue Innovation Management	357
3.10	Governance, Risk and Compliance for Finance	406
3.11	Commodity Management	420
3.12	APIs for Finance	422
3.13	Country/Region Specifics	426
4	Human Resources	427
4.1	External Employment in the New Business Partner Model	427
4.2	Country/Region Specifics	428
5	Manufacturing	429
5.1	Production Engineering	429
5.2	Production Planning	441
5.3	Extended Production Planning and Scheduling	463
5.4	Production Operations (Execution and Control)	474
5.5	Quality Management	498
5.6	Project Manufacturing Management and Optimization	516
5.7	Country/Region Specifics	516
6	Manufacturing for Production Engineering and Operations	517
6.1	Cross-Area Features	517

6.2	Extended Production Engineering.	526
6.3	Extended Production Operations.	541
6.4	Complex Assembly Project Management.	551
7	R&D/Engineering.	554
7.1	Enterprise Portfolio and Project Management.	554
7.2	Integrated Product Development for Discrete Industries.	559
7.3	User Experience Improvements in Recipe Development.	567
7.4	Business Events for Recipe Specification Phrases.	568
7.5	Product Compliance.	569
7.6	Change Impact Analysis for Change Record.	598
7.7	Efficient Structuring of Product Changes in Change Record.	599
7.8	Enhancements in Solution Documentation and User Experience for Change Record.	600
8	Sales.	602
8.1	Order and Contract Management.	602
8.2	Country/Region Specifics.	728
9	Service.	729
9.1	Service Master Data & Agreement Management.	729
9.2	Service Operations & Processes.	747
9.3	Cross Topics.	774
9.4	WebClient UI Framework.	776
10	Sourcing and Procurement.	778
10.1	Generic Features.	778
10.2	APIs for Integration with Sourcing and Procurement.	778
10.3	Sourcing and Contract Management.	794
10.4	Operational Procurement.	813
10.5	Central Requisitioning.	855
10.6	Central Purchasing.	855
10.7	Central Purchase Contracts.	861
10.8	Central Purchasing Analytics.	868
10.9	Attachments, Notes and Business Process Flows for Central Procurement with SAP Ariba Sourcing (4QN).	871
10.10	Guided Sourcing for Central Procurement with SAP Ariba Sourcing (4QN).	872
10.11	Enhancements for Central Sourcing (3ZF).	873
10.12	CDS Views in Central Sourcing.	873
10.13	New Business Add-Ins for Central Sourcing.	874
10.14	Invoice Management.	876
10.15	Procurement Analytics.	889
10.16	Deprecation of SAP Design Studio Apps in Sourcing and Procurement.	902
10.17	Country/Region Specifics.	903

11	Supply Chain.	904
11.1	Logistics Cross Topics.	904
11.2	Inventory.	910
11.3	Warehouse Management.	939
11.4	Delivery and Transportation.	971
11.5	Advanced Order Promising.	1009
11.6	Extended Service Parts Planning.	1035
11.7	Country/Region Specifics.	1037
12	Integration.	1038
12.1	Business Network Integration.	1038
12.2	Integration for Purchasing.	1047
12.3	Integration with SAP Concur.	1048
12.4	Master Data Integration.	1052
12.5	SAP Conversational AI.	1053
12.6	Country/Region Specifics.	1054
13	Cross Components.	1055
13.1	Deprecation of Predictive Analytics integrator (PAi) Apps.	1055
13.2	Deprecation of SAP Design Studio Apps.	1056
13.3	Manage KPIs and Reports.	1057
13.4	View Browser.	1058
13.5	Share Bookmarks in Web Dynpro Apps.	1058
13.6	New Business Catalog SAP_CORE_BC_UI_SHARE_PC for Sharing Bookmarks in Web Dynpro Apps.	1059
13.7	Manage Search Models.	1060
13.8	Business User Management.	1061
13.9	Master Data Maintenance.	1062
13.10	Data Migration.	1078
13.11	Information Lifecycle Management.	1080
13.12	Enterprise Contract Management.	1080
13.13	Master Data Governance, Central Governance.	1088
13.14	Master Data Governance, Data Quality Management.	1098
13.15	Situation Handling.	1102
13.16	Digital Access.	1107
13.17	Virtual Data Model and CDS Views.	1108
13.18	Intelligent Scenario Lifecycle Management.	1109
13.19	Currency Code Conversion.	1111
13.20	Country/Region Specifics.	1113
13.21	Behavioral Insights.	1113
13.22	Data Transition Validation.	1114
13.23	Note Assistant.	1115

14	Country/Region Specifics.	1117
14.1	Australia.	1117
14.2	Austria.	1121
14.3	Belgium.	1126
14.4	Brazil.	1129
14.5	China.	1152
14.6	Denmark.	1162
14.7	France.	1164
14.8	Germany.	1165
14.9	Greece.	1168
14.10	Hungary.	1170
14.11	India.	1172
14.12	Ireland.	1175
14.13	Israel.	1177
14.14	Italy.	1178
14.15	Japan.	1181
14.16	Luxembourg.	1185
14.17	Mexico.	1187
14.18	Netherlands.	1191
14.19	New Zealand.	1196
14.20	Norway.	1199
14.21	Poland.	1204
14.22	Portugal.	1206
14.23	Russia.	1208
14.24	Saudi Arabia.	1210
14.25	Serbia.	1213
14.26	Singapore.	1214
14.27	South Africa.	1218
14.28	South Korea.	1219
14.29	Spain.	1223
14.30	Sweden.	1228
14.31	Taiwan.	1234
14.32	Thailand.	1237
14.33	Turkey.	1238
14.34	United Kingdom.	1241
14.35	United States.	1243
14.36	Functions Relevant for Several Countries/Regions.	1244
15	Industries.	1251
15.1	Consumer.	1251
15.2	Discrete Industries.	1331
15.3	Energy & Natural Resources.	1334

15.4	Financial Services.	1347
15.5	Public Services.	1399

1 What's New

What's New in SAP S/4HANA provides you with delta information on all new, changed or deleted features of this product. The [What's New Viewer](#) provides the same information in an interactive format.

2 Asset Management

2.1 Maintenance Management

2.1.1 Lean Service Procurement

With this product feature, you can procure lean services from within a maintenance order. Lean services are a type of service that can be purchased in the same way as materials using SAP Fiori apps in the area of Materials Management, such as [Manage Purchase Orders](#), [Manage Service Entry Sheets - Lean Services](#), and [Create Supplier Invoice](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BH1 (Corrective Maintenance) BH2 (Emergency Maintenance) BJ2 (Preventive Maintenance) 4HH (Reactive Maintenance) 4HI (Proactive Maintenance)
Application Component	PM (Plant Maintenance)
Available As Of	SAP S/4HANA 2021

Additional Details

Lean services are intended for the procurement of small or highly specialized services that are carried out by external suppliers as part of an internal or external operation. They can be maintained in the material master as service products (product type `SERV`).

You can add lean services to an operation or suboperation as a component. The system creates a purchase requisition and a purchase order in the same way as for non-stock materials that you procure externally. You can either enter a planned lean service with the item category [Non-stock item \(N\)](#) or an unplanned lean service with the item category [Enhanced Limit \(E\)](#). Unplanned lean services are services for which the exact value is not known at the time of creating the purchase requisition. Instead of a fixed price, you can enter a value limit

that must not be exceeded. The system checks the adherence to this limit when the work that has been performed is recorded in the service entry sheet for lean services.

The system provides you with different options for determining the start and end date and time of the lean service. By default, the system aligns the start date and time of the lean service with the earliest start date and time of the operation and calculates the end date and time by adding the specified service duration to the start date and time. You can also determine the start and end date and time of the lean service manually. If you have activated the business function [Simplified Management of EAM Functions 16](#) (LOG_EAM_SIMPLICITY_16), you also have the option to align the end date and time of the lean service with the latest end date and time of the operation and use backward scheduling to determine the start date and time.

Effects on Existing Data

When a maintenance order is enabled for lean service procurement, a new [Services](#) tab page is displayed in the operation details of the maintenance order.

Effects on Customizing

Before you can add lean services to a maintenance order, you need to enable lean service procurement for a combination of order type and maintenance planning plant by activating the [Enhanced Procurement Mode](#) in Customizing for [Plant Maintenance and Customer Service](#) under ► [Maintenance and Service Processing](#) ► [Maintenance and Service Orders](#) ► [Functions and Settings for Order Types](#) ► [Procurement](#) ▾.

If you activate the [Enhanced Procurement Mode](#) for an order type, orders of that type will only support lean services or externally processed operations without service specifications. In the standard system, these operations are marked by the control key PM02. Externally processed operations with service specifications (control key PM03 in the standard system) are not supported.

The default setting in this Customizing activity is the [Compatibility Mode](#), which does not support lean service procurement but allows you to procure externally processed operations with and without service specifications (control keys PM02 and PM03 in the standard system).

Related Information

[Customizing for Procurement \[page 10\]](#)

[Adding Lean Services](#)

2.1.2 Customizing for Procurement

A new chapter [Procurement](#) has been introduced in the SAP Reference IMG under ► [Maintenance and Service Processing](#) ► [Maintenance and Service Orders](#) ► [Functions and Settings for Order Types](#) ► to group several Customizing activities related to external procurement in maintenance orders.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BH1 (Corrective Maintenance) BH2 (Emergency Maintenance) BJ2 (Preventive Maintenance) 4HH (Reactive Maintenance) 4HI (Proactive Maintenance)
Application Component	PM (Plant Maintenance)
Available As Of	SAP S/4HANA 2021

Additional Details

The chapter [Procurement](#) groups the following Customizing activities:

- [Activate Enhanced Procurement Mode](#) (new)
- [Define Collective Purchase Requisition and MRP Relevance](#) (new)
- [Define Account Assignment Cat. and Document Type for Purchase Requisitions](#)
- [Create Default Value Profiles for External Procurement](#)
- [Activate Event Type Linkage for Procurement Milestones](#) (new)
- [Define Assignment Rules for Procurement Milestones](#) (new)

The Customizing activity [Activate Enhanced Procurement Mode](#) allows you to enable the procurement of lean services for a combination of order type and maintenance planning plant. For more information, see [Lean Service Procurement \[page 8\]](#).

The Customizing activity [Define Collective Purchase Requisition and MRP Relevance](#) provides access to the settings related to purchase requisitions that are also contained in the broader Customizing activity [Define Change Documents, Collective Purchase Requisition, MRP relevance](#) in chapter [Functions and Settings for Order Types](#).

The Customizing activities [Create Default Value Profiles for External Procurement](#) and [Define Account Assignment Cat. and Document Type for Purchase Requisitions](#) have been moved to this new chapter from

► [Plant Maintenance and Customer Service](#) ► [Maintenance and Service Processing](#) ► [Maintenance and Service Orders](#) ► [Functions and Settings for Order Types](#) ►.

The Customizing activity [Activate Event Type Linkage for Procurement Milestones](#) allows you to activate the workflows that automatically update some of the procurement milestones for an externally procured material or service based on changes in the purchase order and posting of the goods receipt. For more information, see [Monitoring Procurement Milestones](#).

The Customizing activity [Define Assignment Rules for Procurement Milestones](#) allows you to define which procurement milestones are active for a combination of maintenance order type, maintenance planning plant, maintenance plant, procurement demand category, and material group.

Related Information

[Lean Service Procurement \[page 8\]](#)

[Adding Lean Services](#)

[Manage Maintenance Backlog](#)

2.1.3 Geographical Enablement Framework

With the [Geometry Editor](#) app (F5561) and the [Geometry Explorer](#) app (F5562), you can enable and manage business objects for spatial management. The [Geometry Editor](#) app allows you to edit geometries of an existing SAP business object and displays multiple support layers. The geometries can be added, deleted, and changed. The [Geometry Explorer](#) app allows you to display maps and layers. It helps you to perform actions for a selected object in the business layer such as creating a maintenance order, displaying a technical object, and so on.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-EPT-GEF (GEO Enablement Framework)
Valid as Of	SAP S/4HANA 2021

Related Information

[Geographical Enablement Framework](#)

2.1.4 OData API: *Maintenance Notification*

The *Maintenance Notification* API enables you to create, read, and update data related to maintenance notifications. It is used to notify the maintenance department about an abnormal or exceptional situation in technical objects. It records maintenance tasks and makes them available for analysis in the long term. You can use them for preliminary planning and execution of tasks. The data is provided in the payload, in an API call. This service also supports deep entity for POST operation and BATCH processing.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BH1 (Corrective Maintenance) BH2 (Emergency Maintenance) BJ2 (Preventive Maintenance) 4HH (Reactive Maintenance) 4HI (Proactive Maintenance)
Application Component	PM-WOC-MN (<i>Maintenance Notification</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Maintenance Notification](#)

2.1.5 OData APIs: *Measurement Document* and *Measuring Point*

With the *Measurement Document* API, you can now create measurement document for a maintenance order, operation, and suboperation. This helps you to trace the source of the document.

With the [Measuring Point](#) API, you can now start or cancel measurement reading transfer between source and target measuring points.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BH1 (Corrective Maintenance) BH2 (Emergency Maintenance) BJ2 (Preventive Maintenance) 3MO (Service Contract Management) 3D2 (Service Order Management and Monitoring) 3XK (In-House Repair) 49X (Service Order Processing with SAP Field Service Management) 4GA (Service Quotation) 4HH (Reactive Maintenance) 4HI (Proactive Maintenance)
Application Component	PM-EQM-SF-MPC
Available As Of	SAP S/4HANA 2021

Related Business Events

- [Measurement Document Events](#)
- [Measuring Point Events](#)

Related Information

[Measurement Document](#)
[Measuring Point](#)

2.1.6 OData APIs: *Maintenance Plan* and *Maintenance Item*

System-to-system integration capabilities allow you to connect various systems in your landscape with SAP S/4HANA and bridge the silos between planning and execution. OData protocol-based integration enables you to

query SAP S/4HANA core for the business objects you wish to integrate with, understand the model of the object as well as create new business objects through the side-by-side extensibility.

The preventive maintenance process allows you to define a recurring maintenance plan for the key assets in your organization and ensures that periodic maintenance is carried out as per the recommendation from the equipment manufacturer or based on past history and experiences

The OData API [Maintenance Plan](#) (`API_MAINTENANCEPLAN`) allows you to query for maintenance plans, create new maintenance plans, or change existing maintenance plans. While creating new maintenance plans, you can also pass additional parameters such as call horizon, scheduling period, start and end date for scheduling, shift factors, and tolerance figures.

With the OData API [Maintenance Item](#) (`API_MAINTENANCEITEM`), you can now create and update maintenance items. You can create maintenance items either as a single request or you can create multiple maintenance items in a single request. This is particularly useful when customers have many objects on which maintenance process needs to be carried out.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HI (Proactive Maintenance) BJ2 (Preventive Maintenance) 4X5 (Recurring Services)
Application Component	PM-PRM-MP (Maintenance Plans)
Available As Of	SAP S/4HANA 2021

Related Information

[Maintenance Plan](#)
[Maintenance Item](#)

2.1.7 ODATA API: [Equipment Hierarchy - Read](#)

[Equipment Hierarchy - Read](#) (`API_EQUIPMENT_STRUCLIST`) is a synchronous inbound service that allows you to read the hierarchy of an equipment along with a list of subequipment that is installed on the superior equipment. The request contains all the information that is necessary to read an equipment hierarchy. If the input in the request is not as expected, the system displays appropriate error or warning messages in the response.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance) BH1 (Corrective Maintenance) BH2 (Emergency Maintenance) BJ2 (Preventive Maintenance)
Application Component	PM-EQM-EQ (<i>Equipment</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Equipment Hierarchy - Read](#)

2.1.8 ODATA API: *Functional Location Hierarchy - Read*

Functional Location Hierarchy - Read (API_FUNCNLLOC_STRUCLISTAPI) is a synchronous inbound service that allows you to read the hierarchy of a functional location along with the equipment installed on the functional location. The request contains all the information that is necessary to read a functional location hierarchy. If the input in the request is not as expected, the system displays appropriate error or warning messages in the response.

Technical Details

Type	New
Functional Localization	Not applicable


Scope Item	4HH (Reactive Maintenance)
	4HI (Proactive Maintenance)
	BH1 (Corrective Maintenance)
	BH2 (Emergency Maintenance)
	BJ2 (Preventive Maintenance)
Application Component	PM-EQM-FL (<i>Functional Locations</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Functional Location Hierarchy - Read](#)

2.1.9 OData API: Maintenance Order - Read

The OData API *Maintenance Order - Read* (API_MAINTENANCEORDER) is a synchronous inbound service that allows you to read header, operation, component, object list item, and operation relationship data of maintenance orders. The service can be consumed in external systems, Fiori applications and on other user interfaces.

This API is available on the SAP API Business Hub (<https://api.sap.com/> .

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance)
	4HI (Proactive Maintenance)
	BH1 (Corrective Maintenance)
	BH2 (Emergency Maintenance)
	BJ2 (Preventive Maintenance)
Application Component	PM-WOC-MO (<i>Maintenance Orders</i>)

Related Information

[Maintenance Order - Read](#)

2.1.10 OData API: Maintenance Task List

This API enables you to create, update, and read Maintenance Task List.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Reactive Maintenance (4HH) Proactive Maintenance (4HI)
Application Component	PM (Plant Maintenance)
Valid as Of	SAP S/4HANA 2021

This API is available on the SAP API Business Hub (<https://api.sap.com>).

Related Information

[Maintenance Task List](#)

2.1.11 OData API: Maintenance Bill of Material

This service enables you to create, read, update or delete the bill of material header and item for material, equipment, and functional location. It is based on the OData protocol and can be consumed in SAP Fiori apps and other user interfaces. The service contains header and item nodes for the bill of material. When performing an operation, the request is sent as a payload and the necessary information is checked for restricted values and authorizations.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance)
Application Component	PM-EQM-BM (<i>Bills of Material</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Maintenance Bill of Material](#)

2.1.12 Measurement Document Events

The [Measurement Document](#) business object triggers the following events:

- MeasurementDocument.created - This event is triggered when a measurement document is created.
- MeasurementDocument.changed - This event is triggered when a measurement document reversal indicator is set or reset.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	BH1 (Corrective Maintenance)
	BH2 (Emergency Maintenance)
	BJ2 (Preventive Maintenance)
	3MO (Service Contract Management)
	3D2 (Service Order Management and Monitoring)
	3XK (In-House Repair)
	49X (Service Order Processing with SAP Field Service Management)
	4GA (Service Quotation)
	4HH (Reactive Maintenance)
	4HI (Proactive Maintenance)
Application Component	PM-EQM-SF-MPC
Available As Of	SAP S/4HANA 2021

Related API

[Measurement Document](#)

Related Information

[Measurement Document Events](#)

2.1.13 Measuring Point Events

The Measuring Point business object triggers the following events:

- MeasuringPoint.Created - This event is raised when a measuring point is created.
- MeasuringPoint.Changed - This event is raised when a measuring point is updated.

Technical Details

Type	New
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Functional Localization	Not applicable
Scope Item	BH1 (Corrective Maintenance) BH2 (Emergency Maintenance) BJ2 (Preventive Maintenance) 3MO (Service Contract Management) 3D2 (Service Order Management and Monitoring) 3XK (In-House Repair) 49X (Service Order Processing with SAP Field Service Management) 4GA (Service Quotation) 4HH (Reactive Maintenance) 4HI (Proactive Maintenance)
Application Component	PM-EQM-SF-MPC
Available As Of	SAP S/4HANA 2021

Related API

[Measuring Point](#)

Related Information

[Measuring Point Events](#)

2.1.14 Maintenance Task List Events

With this feature you can enable the Maintenance Task List business object to trigger the following business events:

- Created
- Changed

An external service or system can be configured to consume these events.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Reactive Maintenance (4HH) Proactive Maintenance (4HI)
Application Component	PM - PRM - TL (<i>Plant Maintenance (Task List)</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

This event is available on the SAP API Business Hub (<https://api.sap.com/>).

Related Information

[Maintenance Task List Events](#)

2.1.15 Integration of Maintenance Orders and Extended Warehouse Management Solution

With this integration feature between Maintenance Orders and the Extended Warehouse Management (EWM) solution you can ensure timely availability of stock components from large warehouses.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PM (<i>Plant Maintenance</i>)

Additional Details

The integration helps you to:

- Easily identify the location to receive the component
- Quickly deliver components to the intended recipients
- Better tracking of components

Related Information

[Integration of Maintenance Orders and Extended Warehouse Management Solution](#)

2.1.16 Maintenance Order Operation Confirmation Events

With this feature you can enable the maintenance order confirmation business object to trigger the following business events:

- Created
- Canceled

An external service or system can be configured to consume these events.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Reactive Maintenance (4HH) Proactive Maintenance (4HI)
Application Component	PM - WOC (Plant Maintenance - Work Order Confirmation)
Valid as Of	SAP S/4HANA 2021

Additional Details

This event is available on the SAP API Business Hub (<https://api.sap.com/>)

Related Information

[Maintenance Order Operation Confirmation Events](#)

2.1.17 Maintenance Bill of Material Events

The business events MaintenanceBOM.Created and MaintenanceBOM.Updated are available for the Maintenance Bill of Material Object.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance)
Application Component	PM-EQM-BM (<i>Bills of Material</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Maintenance Bill of Material Events](#)

2.1.18 Phase Model for the Maintenance Process

With this feature, you can create maintenance requests and maintenance orders of specific new types. These maintenance requests and orders are then part of an end-to-end process that is structured according to nine phases.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance),
Application Component	PM (<i>Plant Maintenance</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

If you create maintenance orders, you can select one of the following new order types:

- Reactive Maintenance
- Proactive Maintenance

Then the maintenance order runs through several approval, planning, preparation and execution steps until it is finally completed. The individual phases are divided into subphases which - similar to an overall status - document the progress in the maintenance process. You can filter, sort and group the maintenance orders according to the phases or subphases in several order list views.

For more information, see the following What's New documents about new apps designed for this end-to-end process:

- [Create Maintenance Request \[page 25\]](#)
- [My Maintenance Requests \[page 26\]](#)
- [Screen Maintenance Requests \[page 27\]](#)
- [Manage Workflows \[page 30\]](#)
- [Manage Teams and Responsibilities \[page 31\]](#)
- [My Inbox \[page 32\]](#)
- [Manage Maintenance Notifications and Orders \[page 35\]](#)
- [Manage Maintenance Planning Buckets \[page 36\]](#)
- [Manage Maintenance Backlog \[page 37\]](#)
- [Maintenance Order: Enhanced ATP Check \[page 33\]](#)
- [Maintenance Order Costs \[page 38\]](#)

2.1.19 Display Serial Numbers

As an inventory manager or warehouse clerk, you can use this app to display a list of the serial numbers assigned to a material. The list reflects the serial numbers of the materials according to the last posted Goods

Movement. You can sort and filter this list according to your needs. You can then export the list. This app is accessible through the **Stock – Single Material** and **Stock – Multiple Materials** apps.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance)
Application Component	PM (Plant Maintenance)
Available As Of	SAP S/4HANA 2021

Related Information

[Display Serial Numbers](#)

2.1.20 Create Maintenance Request

With this app, you can create maintenance requests. While creating a maintenance request, you can provide all details such as location, priority, failure mode, and malfunction. You can also attach documents related to the request. You create long text templates by implementing the BAdI `eam_ltxt_tml_maint_notif`.

When you enter details to create a maintenance request and exit the app without submitting the details, the maintenance request is saved as a draft. When you access the app next time, the draft is displayed by default. You can complete the draft and submit it to create a maintenance request or discard the draft. If you discard the draft, a new form is displayed. The discarded draft cannot be restored.

You can also view other maintenance requests that already existing for a technical object. You can upload documents that have information related to the maintenance request and will help the processor to provide quick resolution.

Technical Details

Type	New
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Functional Localization	Not applicable
Scope Item	4HH - Reactive Maintenance
Application Component	PM - Plant Maintenance
Available As Of	SAP S/4HANA 2021

Additional Details

The new maintenance request is displayed in the [Screen Maintenance Requests](#) app. The maintenance requests created by you are also available in [My Maintenance Requests](#) app.

Related Information

[Create Maintenance Request](#)
[My Maintenance Requests](#)
[Screen Maintenance Requests](#)

2.1.21 My Maintenance Requests

With this app, you can view all your maintenance requests. If the screener has sent a maintenance request back to you because it needs additional information, then you can add the required details and resubmit the maintenance request for screening.

You can also copy existing maintenance requests that are in the status **Submitted**, **Accepted**, or **Completed** using the [Copy](#) option. The new maintenance requests are saved as drafts and you can view them in the **Draft** tab. Till you submit the maintenance request, the request remains as draft. When you copy a maintenance request, the information from the existing request is copied into the new request. Long text is not copied from the existing maintenance request so you can use the template to add long text. You can choose one or more drafts and delete them.

You can choose a draft, complete all details, and submit it for screening. You can also discard a draft. If you discard a draft, it is no longer available in the queue and it cannot be retrieved. When you select a draft to edit it, you are taken to the [Create Maintenance Request](#) app. You can enter all details and submit the maintenance request.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance)
Application Component	PM - Plant Maintenance
Available As Of	SAP S/4HANA 2021

Related Information

[Create Maintenance Request](#)
[My Maintenance Requests](#)
[Screen Maintenance Requests](#)

2.1.22 Screen Maintenance Requests

With this app, you can review maintenance requests. All the maintenance requests that are submitted for screening can be seen in this app. You can screen a maintenance request and accept it, reject it, or send it back to the requestor because it does not have additional information. When the requestor adds the required information and submits it again for screening, you can screen it. While rejecting a maintenance request, you can provide reason.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance)
Application Component	PM - Plant Maintenance
Available As Of	SAP S/4HANA 2021

Additional Details

When you review a maintenance request, if you find that details are not correct, you can edit the details. You can also manually change the final due date or select a different priority.

Related Information

- Create Maintenance Request
- My Maintenance Requests
- Screen Maintenance Requests

2.1.23 Display Maintenance Notifications

With this app, you can view details of a maintenance notification such as scheduling, malfunction, related maintenance items, maintenance tasks, status, attachments, and so on. You can also view history of changes that were made to the maintenance notification.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance)
Application Component	PM-WOC-MN (Maintenance Notification)
Available As Of	SAP S/4HANA 2021

Additional Details

To view all the apps that are related to this app, you can choose Related Apps button on the top right side of the page. To view details about the technical object associated with the maintenance request choose the technical object. If the priority for the maintenance notification was selected by assessing priority, you can view the details of the assessment.

This app is a variant of the [Find Maintenance Notifications](#) app (F2071) but this app does not allow you to update notification or perform any action. In this app, you can only view details of maintenance notifications.

Related Information

[Display Maintenance Notifications](#)

[Feature Comparison for Maintenance Notification Apps](#)

[Find Maintenance Notification](#)

2.1.24 Perform Maintenance Jobs

With this app, as a Maintenance Technician, you can review all the dispatched order operations and suboperations and continue to perform the maintenance task or job assigned to you or your work center (team).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance)
Application Component	PM (<i>Plant Maintenance</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Perform Maintenance Jobs](#)

2.1.25 Maintenance Backlog Overview

With this application you can view information about maintenance (requests and orders) backlogs for a specific planning bucket. By default, the selection area contains planning bucket template, past buckets, future buckets, and phase filters. You can view the filter results in the analytical cards or in the quick view cards. Both card types let you navigate from the card view to other relevant applications.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PM (Plant Maintenance)
Valid as Of	SAP S/4HANA 2021

Additional Details

In the [Maintenance Backlog Overview](#) app, an analytical card shows which procurement activity is currently pending for how many non-stock components and services in each maintenance planning bucket. From this card, you can navigate directly to the [Purchase Requisitions](#) app and the [Purchase Orders](#) app.

Related Information

[Maintenance Backlog Overview](#)

2.1.26 Manage Workflows

With this app, you can initiate an approval process and manage the approval workflow for maintenance orders. As a configuration expert, you can configure workflows to optimize the approval process for maintenance orders.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance)

Application Component	PM (<i>Plant Maintenance</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can create a workflow, enter a description and specify the validity period. You can define and then activate the start conditions of the workflow based on various attributes of the maintenance order. Moreover you can specify the sequence in which the start conditions of existing workflows are checked and define define recipients, timelines, and preconditions for each step sequence.

Effects on Customizing

Related Information

[Manage Workflows for Maintenance Orders](#)

2.1.27 Manage Teams and Responsibilities

With this app, you can manage teams or team members that are to perform specific functions. In *Asset Management*, this app enables you to map certain teams or team members as responsible for specific process steps in the approval workflow scenario.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance)
Application Component	PM (<i>Plant Maintenance</i>)

Additional Details

In the cost approval workflow you can either use teams or functions to determine the agents responsible for the maintenance order approval. There are five preconfigured functions reflecting five levels of approval (cost approval level 1 to 5).

When a maintenance order is submitted for approval, the system determines approvers based on the functions configured in the workflow rule. For example, when you set up a team with several team members who have different cost approval functions assigned, the system will determine the team members who are eligible to approve based on the function configured in the workflow rule. Alternatively, you can also specify that maintenance orders are sent for approval to all team members of a specific team irrespective of their functions.

Effects on Customizing

Related Information

[Manage Teams and Responsibilities](#)

2.1.28 My Inbox

With this app you can process your workflow tasks, approve or reject maintenance orders via mobile or desktop devices anywhere and anytime.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance)

Application Component	PM (<i>Plant Maintenance</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

When you approve or reject a maintenance order, the order status changes accordingly.

Effects on Customizing

Related Information

[My Inbox](#)

2.1.29 Maintenance Order: Enhanced ATP Check

With this feature, you can perform an enhanced material availability check (ATP check) for maintenance orders and reassign committed stock material to the orders with the highest priority and urgency. It includes enhanced selection criteria, such as the basic start and end date, the order type and the process phases. In addition, you can specify specific execution stages and thereby restrict the ATP check to only the components of the main operations, for example.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance), 4HI (Proactive Maintenance)
Application Component	PM (<i>Plant Maintenance</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

If you schedule maintenance orders that are processed by phases, you can use the [Material Availability Check for Maintenance Orders](#) template in the [Schedule Material Availability Check](#) app to perform an enhanced ATP check, which allows you to reassign committed stock from one maintenance order to another of higher priority and urgency.

You can determine for which maintenance orders the ATP check is to be performed by determining the order type, the planning plant and the maintenance activity type. Depending on the order type, you can also select orders that have been assigned to specific phases and operations that have a specific execution stage assigned. Furthermore, you determine a time frame based on the basic start and basic end date of the orders. You can also use a rolling time period for the selection of maintenance orders when scheduling recurrent ATP runs. The rolling time period is always relative to the date on which each ATP run is processed.

The system prioritizes the maintenance orders by their final due date, priority, ABC indicator and the order creation date and time, and thereby determines the sequence in which the orders are processed and material quantities are confirmed. You can display messages from the latest ATP run when you click on the [Status](#) symbols of the stock components in the [Manage Maintenance Backlog](#) app.

Effects on Existing Data

There is a new [Material Availability Check for Maintenance Orders](#) template available in the [Schedule Material Availability Check](#) app. If you select this template, you can use specific selection criteria, such as the phase the orders belong to or the execution stage of the operations.

Effects on Customizing

To use the [Material Availability Check for Maintenance Orders](#) template, you need to activate it in the Customizing activity [Activation of Scope-Dependent Application Job Catalog Entries](#). For more information, see [App Implementation: Schedule Material Availability Check](#)

Related Information

[Schedule Material Availability Check](#)
[How to Perform an ATP Check for Stock Components](#)
[Manage Maintenance Backlog](#)

2.1.30 Manage Maintenance Notifications and Orders

With this app, you can manage maintenance notifications and orders that are processed by phases. You can use different filter parameters to display maintenance notifications or orders with specific attributes and perform different actions on them.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance)
Application Component	PM (<i>Plant Maintenance</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can use this app to create orders for maintenance notifications, assign existing orders to notifications, or unassign orders from notifications. You can submit orders to the *Preparation* phase. If orders require an approval before they can be submitted to the *Preparation* phase, you can use this app to submit them for approval using the corresponding workflow. In addition, you can change the responsibility for maintenance notifications and orders.

From the [Maintenance Backlog Overview](#) app, you can navigate directly to a pre-filtered list of maintenance orders or notifications by selecting the relevant filter options on the [Maintenance Backlog](#) card.

Effects on Customizing

To be able to use this app, you need to set up your system for the phase-based maintenance process. For more information, see [App Implementation: Manage Maintenance Notifications and Orders](#).

Related Information

[Manage Maintenance Notifications and Orders](#)
[Maintenance Process Phases](#)

2.1.31 Manage Maintenance Planning Buckets

With this app, you can create maintenance planning buckets that aid you in effectively managing your maintenance backlog. The app allows you to level out the workload over several weeks, determine the concrete time period for the requested maintenance work and check the availability of all required resources, spare parts, and services.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance)
Application Component	PM (Plant Maintenance)
Valid as Of	SAP S/4HANA 2021

Additional Details

By defining maintenance planning buckets, you can divide the maintenance effort into manageable groups based on their scope. The scope of a planning bucket includes time, but also other important attributes of the maintenance jobs such as the planner group. Based on this scope, the system groups maintenance orders and assigns them to the corresponding planning buckets.

You can create event-based or operational maintenance planning buckets. Event-based maintenance planning buckets help you to organize a planned shutdown or overhaul of an entire plant section, for example. For planning recurrent maintenance work, such as weekly maintenance windows as agreed with the production team, you can use operational maintenance planning buckets.

When the maintenance planning buckets have been created and maintenance orders have been associated with particular planning buckets, you can manage your maintenance backlog in the [Manage Maintenance Backlog](#) app. From a particular planning bucket, you navigate to the list of all the maintenance orders associated with this planning bucket. Here, you can view important order details, such as the order status, the order priority and the final due date. Furthermore, you can check the availability and consumption of the required stock components, monitor the procurement status of non-stock components and services, and consider all the maintenance work that has to be executed and all the external services that have to be procured. For more information, see [Manage Maintenance Backlog \[page 37\]](#).

Effects on Customizing

This app uses a technical job which runs nightly to generate recurrent planning buckets in advance. You can verify that the job is active in transaction SJOBREPO. For more information, see [App Implementation: Manage Maintenance Planning Buckets](#).

Related Information

[Manage Maintenance Planning Buckets](#)
[Manage Maintenance Backlog \[page 37\]](#)

2.1.32 Manage Maintenance Backlog

With this app, you can view a list of all maintenance orders automatically associated with a specific maintenance planning bucket according to their scheduled start date, their scheduled end date, and to the attributes fitting in the scope of the maintenance planning bucket. You can view important order details, check the availability and consumption of the required stock components, monitor the procurement status of non-stock components and external services, and view all maintenance work that has to be performed by an internal work center.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance)
Application Component	PM (<i>Plant Maintenance</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

When maintenance planning buckets have been created in the Manage Maintenance Planning Buckets app and maintenance orders have been associated with particular planning buckets, you can manage your maintenance backlog in the [Manage Maintenance Backlog](#) app. You can either access this app via the [Manage Maintenance Planning Buckets](#) app or via the [Maintenance Backlog](#) card in the [Maintenance Backlog Overview](#) app.

You can view important order details, such as the order status, the order priority and the final due date. You can check the availability and consumption of the required stock components, view messages from the latest ATP check, and monitor the procurement process for all required non-stock components and external services. In addition, you can view all maintenance work that has to be performed by an internal work center.

Effects on Customizing

You can use this app to monitor the procurement of non-stock materials and services by means of procurement milestones. The completion of some milestones depends on changes in the purchase order and posting of the goods receipt for non-stock components. To enable the system to react to these changes and update the respective milestones automatically, you need to activate the corresponding event type linkages in Customizing. You can also change the default procurement milestones for a combination of maintenance order type, maintenance planning plant, maintenance plant, procurement demand category, and material group in Customizing. For more information, see [Monitoring Procurement Milestones](#).

Related Information

- [Manage Maintenance Backlog](#)
- [Manage Maintenance Planning Buckets \[page 36\]](#)
- [Customizing for Procurement \[page 10\]](#)

2.1.33 Maintenance Order Costs

With this app you can monitor and evaluate estimated costs, baseline costs, planned costs and actual costs resulting from current maintenance orders. It enables you, for example, to compare planned costs or baseline-costs with actual costs caused by maintenance orders of a specific order type during a selected time period.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	BH1 (Corrective Maintenance)
	BH2 (Emergency Maintenance)
	BJ2 (Preventive Maintenance)
	4HH (Reactive Maintenance)
	4HI (Proactive Maintenance)
Application Component	PM (<i>Plant Maintenance</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

Filters allow you to analyze estimated costs, baseline costs, planned costs and actual costs in a rolling time period from different perspectives such as the order type, the responsible cost center, the main work center or the maintenance activity type. A condensed view enables you to identify and compare relevant areas within data sets using data visualization and business intelligence. All this can be done seamlessly within one page that combines transactional and analytical data using chart and table visualization. In the table view, you can access the costs summed up for specific order types and spend categories but also act on individual maintenance orders by navigating directly to them.

Effects on Customizing

Before you implement the app you need to perform several configuration tasks. For more information, see [App Implementation: Maintenance Order Costs](#).

Related Information

[Maintenance Order Costs](#)

2.1.34 Mass Editing of Notifications

This new feature enables you to execute the mass editing of notifications in the Find Maintenance Notification app. You can change the general data, due dates, and breakdown details and responsibilities. You can also simulate the editing to check the entered data in the application log for errors.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PM-FIO (<i>Plant Maintenance</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Mass Editing of Notifications](#)

2.1.35 Intelligent Maintenance Execution Part 1

The *Intelligent Maintenance Execution Part 1* (LOG_EAM_IME_1) business function enables you to assign execution stages to operations and to specify a final due date in SAP HTML Gui apps as well as in SAP Web UI apps.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BH1 (Corrective Maintenance) BH2 (Emergency Maintenance) BJ2 (Preventive Maintenance) 4HH (Reactive Maintenance) 4HI (Proactive Maintenance)
Application Component	PM (<i>Plant Maintenance</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

For more information about the functions that are included in this business function (LOG_EAM_IME_1), see the following product feature release notes:

- [Assigning Execution Stages \[page 41\]](#)
- [Final Due Date \[page 42\]](#)

2.1.35.1 Assigning Execution Stages

You can use this function to classify operations and suboperations in task lists and maintenance orders according to their importance over time during the maintenance or repair work. By assigning execution stages, you can group the preliminary work steps, the main work steps and the finishing work steps of the maintenance order and thus closely monitor work progress. A grouping into execution stages made in the task list is copied to the order operations that have been created. In the process, a checkbox in the order header shows whether the maintenance order still contains open main repair work.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BH1 (Corrective Maintenance) BH2 (Emergency Maintenance) BJ2 (Preventive Maintenance) 4HH - (Reactive Maintenance) 4HI - (Proactive Maintenance)
Application Component	PM (<i>Plant Maintenance</i>)
Available As Of	SAP S/4HANA 2021
Required Business Function	Intelligent Maintenance Execution Part 1

Additional Details

In both the task list and the maintenance order, you can assign one of the three execution stages *PRE*, *MAIN* and *POST* to individual operations and suboperations, thereby determining whether the operation describes preliminary work, main work or finishing work. Preliminary work could be, for example, scaffolding work or the checking and provision of spare parts in the staging area. Finishing tasks could be, for example, cleaning work

or the removal of defective parts into the decontamination area. The system classifies all operations that you create and do not assign to an execution stage as main repair work.

The system deselects the [Has Open Main Work](#) checkbox in the order header data when all operations classified as main work have been finally confirmed. According to the value of this checkbox, you can filter the results list in the [Find Maintenance Order](#) app to display, for example, all orders for which at least one main repair work task has not yet been finally confirmed. In addition, the table column [Execution Stage](#) in the operation tables and lists allows you to group and evaluate order operations according to the assigned execution stages.

Effects on Existing Data

The new table column [Execution Stage](#) is available in the [Operation Data](#) of the task list and the maintenance order. In addition, the new field [Execution Stage](#) in the [Operation Details](#) shows to which execution stage the selected operation has been assigned. You can change this assignment both in the table column and in the selection field.

In the maintenance order header data, the new checkbox [Has Open Main Work](#) is available. You can select this as a filter in the [Find Maintenance Order](#) app. A new selection field [Execution Stage](#) is available as a filter in the [Find Maintenance Task List and Operation](#) and [Find Maintenance Order and Operation](#) apps. In the operation list of both apps, you can group the operations in the corresponding table columns according to execution stages and their description. The operation details also show to which execution stage the respective operation has been assigned.

Related Information

[Operation](#)

[Assigning Execution Stages](#)

[Assigning Execution Stages](#)

2.1.35.2 Final Due Date

You can now view the latest date by which a maintenance activity must be completed. This date is called the final due date and is determined based on priority of the maintenance activity. When you select the priority for a maintenance activity, the final due date is determined and displayed. You can manually change the final due date only if you have the required authorization. When there is a change in the final due date, you can also view the previous final due date.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BH1 (Corrective Maintenance) BH2 (Emergency Maintenance) BJ2 (Preventive Maintenance) 4HH (Reactive Maintenance) 4HI (Proactive Maintenance)
Application Component	PM (Plant Maintenance)
Valid as Of	SAP S/4HANA 2021
Required Business Function	Intelligent Maintenance Execution Part 1

Additional Details

When you select the priority for a maintenance notification or a maintenance request, the final due date is determined and displayed. When you change the priority of a maintenance notification or maintenance request, the final due date is redetermined.

When you create a maintenance order manually, the final due date is determined based on the priority of the maintenance order. When you select the priority for a maintenance order, the final due date is immediately determined and displayed. Once you have selected a priority and the final due date has been defined, any additional change in priority will not result in a change of the final due date.

If you create a maintenance order based on an existing maintenance notification, the final due date from the maintenance notification is copied into the maintenance order and is not redetermined even if the maintenance order was created days after the creation of the maintenance notification.

If the priority of the maintenance order is different from the priority of the maintenance notification from which it was created, the priority of the maintenance notification is not inherited by the maintenance order. The final due date is not redetermined if the priority of the maintenance order is changed. If you change the final due, the previous final due date is updated immediately even before you save the maintenance order. If you change the final due date again, the last changed final due date is shown and not the original final due date.

You can change the final due date directly by editing the field only if you have authorization for the business transaction LACD. If you edit the final due date this way, then the previous final due date is displayed for your reference.

Related Information

[Display Maintenance Order](#)
[Find Maintenance Order](#)
[Find Maintenance Order and Operation](#)
[Find Maintenance Notification](#)
[Process Maintenance Notification](#)
[Process Maintenance Order](#)

2.1.36 Enterprise Asset Management Part 17

This business function enables you to use several enhancements for maintenance orders, maintenance notifications, and technical objects in *Plant Maintenance*.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BH1 (Corrective Maintenance), BJ2 (Preventive Maintenance)
Application Component	PM (Plant Maintenance)
Available As Of	SAP S/4HANA 2021

Additional Details

For more information about the functions that are included in this business function (LOG_EAM_CI_17), see the following product feature release notes:

- [Functional Location and Equipment: End-of-Use Date \[page 45\]](#)
- [Task List: Mass Changes \[page 45\]](#)

Related Information

[Enterprise Asset Management Part 17](#)

2.1.36.1 Functional Location and Equipment: End-of-Use Date

With this feature, you can define an end-of-use date for functional locations and equipment.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BH1 (Corrective Maintenance), BJ2 (Preventive Maintenance)
Application Component	PM (<i>Plant Maintenance</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

You can now define and display an end-of-use date for functional locations and equipments in transactions IE01/IE02 and IL01/IL02. You will find this new field also in the corresponding list transactions such as IE05, IL05, IH06, and IH08 as selection parameters and in the output list as well as in the output lists of transactions IL07, IE07, IE36, and IE37.

If you use such an equipment or functional location within an order or notification, and the end-of-use date is before the start date of the object, you receive a message (IW448). The message type (e.g. warning, info, error) is customizable.

Related Information

[Mass Changes for Equipment and Functional Locations](#)

2.1.36.2 Task List: Mass Changes

With this feature, you can carry out mass changes for task lists and task list operations.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BH1 (Corrective Maintenance), BJ2 (Preventive Maintenance)
Application Component	PM (Plant Maintenance)
Available As Of	SAP S/4HANA 2021

Additional Details

You can now carry out mass changes for task lists and task list operations using the [Change Task List and Operation List](#) function (transaction `IA38`). You can update the task list header and task list operation data, including customer-specific fields. You can carry out the changes with or without a change number, and you can choose to execute the changes directly or in the background.

Related Information

[Carrying Out Mass Changes in Task List Headers and Task List Operations](#)

2.1.37 Simplified Management of EAM Functions 18

This business function provides you with enhanced features for processing maintenance orders on the *SAP Web UI for Plant Maintenance*.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BH1 (Corrective Maintenance), BJ2 (Preventive Maintenance)

Application Component	PM (<i>Plant Maintenance</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

For more information about the functions that are included in this business function (LOG_EAM_SIMPLICITY_18), see the related product feature release note [Technical Object: End-of-Use Date \[page 47\]](#).

Related Information

[Simplified Management of EAM Functions 18](#)

2.1.37.1 Technical Object: End-of-Use Date

With this feature, you can define an end-of-use date for technical objects.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BH1 (Corrective Maintenance), BJ2 (Preventive Maintenance)
Application Component	PM (<i>Plant Maintenance</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

You can now define and display an end-of-use date for technical objects using the [Create Technical Object](#) or [Change Technical Object](#) functions. You will find this new field also in the output list of the [Technical Object List](#). If you use such a technical object within an order or notification, and the end-of-use date is before the start date of the object, you receive a message. The message type (e.g. warning, info, error) is customizable.

Related Information

[Mass Changes for Equipment and Functional Locations](#)

2.1.38 EAM Inspection Checklists

With this business function, you can enable the inspection checklist process, an end-to-end process from the creation of inspection plans to results recording and follow-up actions in *Plant Maintenance*, which allows you to create inspection checklist templates for combinations of technical objects and recurring maintenance tasks, such as monthly electrical check-ups, for example.

With this business function, you'll benefit from reduced efforts for master data maintenance and operational execution.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PM-WOC-CL (Checklists)
Available As Of	SAP S/4HANA 2021

Additional Details

With the activation of business function LOG_EAM_CHECKLIST, the following new transactions, authorization objects, and function modules will become available in your SAP system:

- **New Transactions**
 - IW91: *Checklists: Result Overview*
 - IW92: *Checklists: Generation*
 - IW93: *Checklists: Collective Usage Decision*
 - IW97: *Checklists: Simulate Inspection Lots*
 - IW98: *Checklists: Classification Characteristics*
 - IW99: *Checklists: Types*
- **New Authorization Objects**
 - Authorization object I_CL_LOT: *PM: Process Inspection Lots of Checklist Solution*
- **New Function Modules**

- EAM_CL_API_ACTIVATE_LOTS: *Activate Checklists (Inspection Lot)*
- EAM_CL_API_COPY_LOT: *Copy Checklist (Inspection Lot)*
- EAM_CL_API_CREATE_LOT: *Create Checklist (Inspection Lot)*
- EAM_CL_API_DEACTIVATE_LOTS: *Deactivate Checklists (Inspection Lot)*
- EAM_CL_API_GENERATE_LOT: *Generate Checklists for Order (Inspection Lot)*
- EAM_CL_API_GENERATE_OBJ : *Generate Checklists for Order (Inspection Lot)*
- EAM_CL_API_READ_LOTS: *Read Checklists (Inspection Lot) for Order (Operation)*
- EAM_CL_API_SET_UD: *Set Usage Decision on Checklists (Inspection Lot)*

Effects on Existing Data

With the activation of business function LOG_EAM_CHECKLIST, the following enhancements to already existing programs will become available in your SAP system:

- In maintenance order transactions IW31, IW32, and IW33, the new tab *Checklists* is available on the screen if the combination of order type and plant selected is customized for the inspection checklist process.
- In maintenance order transactions IW31 and IW32, the new push button *Generate* is available on the *Objects* for the generation of the object list. There is also the new column *Origin* available, which indicates how an item in the object list has been generated.
- On operation level in maintenance order transactions IW31, IW32, and IW33, in task list transactions, and in list processing transactions IW37N and IA38, the new field *Checklist Type* is included on the selection screen and in the output.

Effects on Customizing

With the activation of business function LOG_EAM_CHECKLIST, the following new IMG activities and Business Add-Ins (BADIs) will become available in your SAP system:

In Customizing for *Plant Maintenance and Customer Service* under ► *Maintenance and Service Processing* ► *Maintenance and Service Orders* ► *Functions and Settings for Order Types* ►, the Customizing activity *Configure Checklists for Maintenance Order Types and Planning Plants* has been added.

In Customizing for *Plant Maintenance and Customer Service* under ► *System Enhancements and Data Transfer* ► *Business Add-Ins* ►, the new Customizing node *Enhancements to EAM Inspection Checklists* with the following BADIs has been added:

- *BAdI: Control of Customizing Settings for Checklist Configuration*
- *BAdI: Control of Changes to Inspection Lots for Checklist*
- *BAdI: Control of Inspection Lot Creation for Checklists*
- *BAdI: Control of Inspection Lot Generation for Maintenance Orders*
- *BAdI: Control of Measuring Point Matching for Checklists*
- *BAdI: Control of Object List Generation for Checklists*
- *BAdI: Control of Usage Decisions for Checklists*

Related Information

[EAM, Inspection Checklists](#)

2.1.39 Maintenance Order: Detailed Cost Analysis

If you edit maintenance orders on the SAP Web UI for Plant Maintenance, you can use this function to show a detailed cost view that enables you to analyze estimated costs, planned costs, baseline costs and actual costs.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BH1 (Corrective Maintenance) BH2 (Emergency Maintenance) BJ2 (Preventive Maintenance) 4HH - (Reactive Maintenance) 4HI - (Proactive Maintenance)
Application Component	PM (Plant Maintenance)
Available As Of	SAP S/4HANA 2021

Additional Details

If you call [Detailed Cost Analysis](#) on the [Costs](#) tab page, the system displays a hierarchical overview of all the costs entered and incurred for the individual order operations and suboperations. The system displays the estimated costs entered for the maintenance order for each spend category, as well as planned costs, baseline costs and actual costs that were posted to individual operations and suboperations.

You can see to which expense category (cost element group) the costs incurred belong and analyze which technical object caused which costs. If different spare parts were required for the repair of a technical object, the costs for each required spare part are listed separately.

To enable you to see the information at a glance, estimated costs, planned costs, baseline costs and actual costs are highlighted in different colors.

Effects on Existing Data

In the [Costs](#) area, a new [Detailed Cost Analysis](#) view is available.

Effects on Customizing

In the [Detailed Cost Analysis](#), only costs are shown for which the cost element is included in a replicated cost element hierarchy. You can find all necessary Customizing settings in the documentation for analyzing costs.

Related Information

[Analyzing Costs](#)

2.1.40 Maintenance Order: Settlement Profile and History

If you edit maintenance orders on the SAP Web UI for Plant Maintenance, you can use this function to change the assigned settlement profile as long as the maintenance order has not yet been released. You can also display a settlement history for each ledger.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BH1 (Corrective Maintenance) BH2 (Emergency Maintenance) BJ2 (Preventive Maintenance) 4HH - (Reactive Maintenance) 4HI - (Proactive Maintenance)
Application Component	PM (Plant Maintenance)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can change the assigned settlement profile by selecting an entry from the input help. In Customizing you can make settings based on the order type to configure which settlement profiles are available in the input help.

In the [Settlement History per Ledger](#) table you can view which distribution rules for the actual costs were posted for each ledger in which period of the year. This view is particularly important if you work with parallel ledgers in Asset Accounting.

Effects on Existing Data

On the [Costs](#) tab page, the new [Settlement History per Ledger](#) view is available in the [Settlement Rules](#) area.

Effects on Customizing

In Customizing for [Maintenance and Service Processing](#), you can assign settlement profiles to specific order types and thus determine which settlement profiles are displayed in the input help of the [Settlement Profile](#) field. You make this assignment under ► [Maintenance and Service Processing](#) ► [Functions and Settings for Order Types](#) ► [Assign Valid Settlement Profiles to Order Types](#) ►.

Related Information

[Settle the Maintenance Order](#)

2.2 Environment, Health, and Safety

2.2.1 Incident Management

2.2.1.1 Reporting to German Authorities

With this feature, you can generate an XML incident report for an injured person and send it via web link directly to workers' compensation associations in Germany.

Technical Details

Type	New
Functional Localization	Localized for Germany
Scope Item	Not applicable
Application Component	EHS-SUS-IM (<i>Incident Management</i>)
Available As Of	SAP S/4HANA 2021

Effects on System Administration

To set up the integration, you need to create an RFC destination and specify it in Customizing under [► Environment, Health, and Safety ► Foundation for EHS ► Integration ► Specify Destinations for Integration ►](#).

Effects on Customizing

To generate this incident report, you need to carry out the Customizing activities under [► Environment, Health, and Safety ► Incident Management ► Integration ► Integration with Workers' Compensation Associations \(Germany\) ►](#).

Related Information

[Setting Up for Integration with Workers' Compensation Associations \(Germany\)](#)

2.2.1.2 Use of a Material Object in EHS Processes

With this feature, you can use material data in *Environment, Health, and Safety* processes, such as setting up compliance activities and managing environmental releases. Materials are represented by the newly created master data object - *Chemical Compliance Info*. *Chemical Compliance Info* object is used to store *Environment, Health, and Safety*- and *Product Compliance*-relevant data for customer products and materials. It is a central object and serves as an integration point between the *Environment, Health, and Safety* and *Product Compliance* solutions.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-FND (<i>Sustainability Foundation</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

You can view and create materials in the [Manage Material Data](#) (F4864) app. You can also specify the analytical composition with the substances that make up a material under the [Analytical Composition](#) section.

If the substance that you want to assign is not yet available in the system, you can use the [Manage Substances Compliance](#) (F2578) app to create it and give it a company-specific name. You specify whether you want to link the new substance to an existing listed substance or to a new one, so that substances are created in a consistent way in terms of identifiers, substance conditions, and substance group configurations.

Note

You can use the [Material](#) object data in [Environment Management](#) and [Incident Management](#). This data is not used in the other [Environment, Health, and Safety](#) components.

Effects on Customizing

You can choose if you want to use chemicals or materials in your EHS processes and switch between the objects as needed in Customizing under [Environment, Health, and Safety](#) [Foundation for EHS](#) [General Configuration](#) [Select Material or Chemical Object for Use in EHS Processes](#). The standard system is delivered with the [Chemical](#) object selected by default.

2.2.1.3 Task Assignment to a Location Role

With this feature, you can assign a [Task](#) or a [Task with Approval](#) to a given location role for further processing or approval. The following new sections have been introduced in the [Manage Task Definition](#) (F2528) app:

- Assignee Assignment
- Approver Assignment

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-FND (Sustainability Foundation)
Available As Of	SAP S/4HANA 2021

Additional Details

Task assignment to a location role can be carried out if the task has a location assigned. Once assigned to a role, the task is sent to all users with the appropriate location role for the location of the task, and not to one specified user only. The user who first claims a task remains the responsible assignee or approver for it.

2.2.1.4 Enhancements to the Scheduling of Tasks with Recurrence

With this feature, you can set the recurrence of a task using one of two scheduling modes. The recurrence pattern that you set for the task definition determines the task instances either by start date or due date. You can also specify more easily if a task starts on the same day that it is due.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-FND (Sustainability Foundation)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

The dialog box for scheduling a recurrence now comprises of two tabs – [Based on Start Date](#) and [Based on Due Date](#). You can choose the scheduling mode that best fits your needs.

2.2.1.5 Deprecation of Apps in Incident Management

The following apps in [Incident Management](#) are deprecated:

- [Report Incident - Basic Recording](#) Web Dynpro app
- [Report Incident - Detailed Recording](#) Web Dynpro app
- [Report Safety Observation](#) Web Dynpro app
- [Report Near Miss](#) Web Dynpro app
- [Manage Incidents](#) Web Dynpro app
- [Manage Summary Reports](#) (F3781) Fiori app

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-IM (Incident Management)
Available As Of	SAP S/4HANA 2021

Additional Details

The app tiles are no longer available by default on the SAP Fiori launchpad. You can still access the apps via the app finder and continue using them, but they will be no longer supported as of SAP S/4HANA 2021. Therefore, we recommend that you switch to the following successor apps:

Deprecated App	Successor App
Report Incident - Basic Recording Web Dynpro	Report Incident (F1992)
Report Incident - Detailed Recording Web Dynpro	Report Incident (F1992)
Report Safety Observation Web Dynpro	Report Incident (F1992)

Deprecated App	Successor App
Report Near Miss Web Dynpro	Report Incident (F1992)
Manage Incidents Web Dynpro	Manage Incidents (F4759)
Manage Summary Reports (F3781)	Manage Summary Reports (F4758)

Related Information

[Report Incident](#)
[Manage Incidents](#)
[Manage Summary Reports](#)

2.2.2 Health and Safety Management

2.2.2.1 Microsoft Office Integration in Risk Management

With this feature, Microsoft Office documents that you view and edit via the [My Risk Assessment Projects](#) and [Manage Risk Assessment Projects](#) apps are no longer displayed directly in the browser. Instead, you can download these documents, view and edit them on your device, and then upload them back into the system as needed.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-HS (Health and Safety Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[My Risk Assessment Projects](#)
[Manage Risk Assessment Projects](#)

2.2.3 Environment Management

2.2.3.1 Use of a Material Object in EHS Processes

With this feature, you can use material data in *Environment, Health, and Safety* processes, such as setting up compliance activities and managing environmental releases. Materials are represented by the newly created master data object - *Chemical Compliance Info*. *Chemical Compliance Info* object is used to store *Environment, Health, and Safety*- and *Product Compliance*-relevant data for customer products and materials. It is a central object and serves as an integration point between the *Environment, Health, and Safety* and *Product Compliance* solutions.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-FND (<i>Sustainability Foundation</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can view and create materials in the *Manage Material Data* (F4864) app. You can also specify the analytical composition with the substances that make up a material under the *Analytical Composition* section.

If the substance that you want to assign is not yet available in the system, you can use the *Manage Substances Compliance* (F2578) app to create it and give it a company-specific name. You specify whether you want to link the new substance to an existing listed substance or to a new one, so that substances are created in a consistent way in terms of identifiers, substance conditions, and substance group configurations.

i Note

You can use the *Material* object data in *Environment Management* and *Incident Management*. This data is not used in the other *Environment, Health, and Safety* components.

2.2.3.2 Task Assignment to a Location Role

With this feature, you can assign a *Task* or a *Task with Approval* to a given location role for further processing or approval. The following task assignment types have been introduced in the *Manage Task Definition* app:

- Assignee Assignment
- Approver Assignment

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-FND (<i>Sustainability Foundation</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

Task assignment to a location role can be carried out if the task has a location assigned. Once assigned to a role, the task is sent to all users with the appropriate location role for the location of the task, and not to one specified user only. The user who first claims a task remains the responsible assignee or approver for it.

2.2.3.3 Enhancements to the Scheduling of Tasks with Recurrence

With this feature, you can set the recurrence of a task using one of two scheduling modes. The recurrence pattern that you set for the task definition determines the task instances either by start date or due date. You can also specify more easily if a task starts on the same day that it is due.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-FND (<i>Sustainability Foundation</i>)

Effects on Existing Data

The dialog box for scheduling a recurrence now comprises of two tabs – [Based on Start Date](#) and [Based on Due Date](#). You can choose the scheduling mode that best fits your needs.

2.2.3.4 Enhancement to the Creation of Regulatory Lists

With this feature, you can create regulatory lists and store emission factor values for materials (for example, the amount of pollutant per produced material) and for chemical/physical properties (for example, scope 2 GHG emissions per one kw/h consumed electricity).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-EM (Environment Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Creating Regulatory Lists](#)

2.2.3.5 Enhancements to the Use of Data Classifiers

With this feature, you can now use data classifiers for data collections and calculation result data sets. Setting a data classifier to the data sets received from these activities can help you to easily filter through data records and keep them apart. Data classifiers can support you in the processes of monitoring, reviewing, and reporting emission information.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-EM (Environment Management)
Valid as Of	SAP S/4HANA 2021

Effects on Existing Data

In case you add a data classifier to collected or calculated data that is already being used, the system triggers a reaggregation of all location aggregation activities that use this classifier.

2.2.3.6 Analytical Query CDS View for Transactional Data

With this feature, you can query environmental data using a variety of filters with the [Environmental Data - Analytical Query CDS](#) view.

The [Environmental Data - Analytical Query](#) can be used through analytical tools, such as SAP Analytics Cloud. Additionally, it can also be used with various other tools, such as the Query Browser. The query can also be used through an external system, such as SAP Analytics Cloud.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-EM (Environment Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Environmental Data – Analytical Query](#)

2.2.3.7 New Calculation Input Sources

With this feature, you can now use compositions and chemical-physical properties of materials from the [Material](#) object as input sources for calculations.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-EM (Environment Management)
Valid as Of	SAP S/4HANA 2021

2.2.3.8 Management of Material Composition

With this feature, you can maintain a composition of the [Material](#) object. Additionally, in [Environment Management](#), you can use the created composition in calculations.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-FND (Sustainability Foundation)
Valid as Of	SAP S/4HANA 2021

Additional Details

The components of a composition are specified as a company substance.

2.2.3.9 Enhancements to the Filtering in the Location Structure

With this feature, the [Location](#) value help fields of all apps have been enhanced to allow filtering by location classifier.

Additionally, filtering by location classifier has been introduced in the following apps:

- [Manage Locations](#)
- [Manage Location Roles](#)

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-FND (Sustainability Foundation)
Valid as Of	SAP S/4HANA 2021

2.2.3.10 Deprecation of an Environment Management App

The [Manage Compliance Requirement](#) Web Dynpro app was deprecated in SAP S/4HANA 2020.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	EHS-SUS-EM (<i>Environment Management</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can use the following successor app:

Deprecated App	Successor App
<i>Manage Compliance Requirement</i> Web Dynpro	<i>Manage Compliance Requirements - Regulations, Permits, Policies</i> (F5038)

Effects on Existing Data

The *Manage Compliance Requirement* Web Dynpro app is no longer supported and will be deleted from the SAP Fiori launchpad as of 2022. The app may no longer be available by default on the SAP Fiori launchpad. In this case, you can find it in the app finder until it is deleted. We recommend that you switch to the successor app as soon as possible.

Related Information

[Manage Compliance Requirements - Regulations, Permits, Policies](#)

2.2.3.11 Waste Management

2.2.3.11.1 My Permits

With this feature, a user with the role of *Environmental Manager*, assigned to a specific location, can edit new and existing permits in the *My Permits* app. The *Environmental Manager* can update data for permits, monitor their lifecycles, and ensure environmental compliance to optimize business processes.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4C8 (Compliance Management for Environment, Health and Safety) 4XD (Emissions Management)
Application Component	EHS-SUS-EM (Environment Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[My Permits](#)

2.2.3.11.2 Assignment of Waste Codes to Materials

With this feature, you can assign waste codes to waste materials so that these waste materials can comply with the relevant environmental regulations, standards, and laws. Waste codes are required for the creation of waste disposal documents that meet compliance requirements. Waste codes are previously entered as a regulatory list in a Compliance Requirement Regulation, and then assigned to a waste material using the [Manage Material Data – Environment Management](#) app.

Technical Details

Type	New
Functional Localization	Not applicable.
Scope Item	Not applicable
Application Component	EHS-SUS-FND (Sustainability Foundation)
Available As Of	SAP S/4HANA 2021

Additional Details

Effects on Existing Data

Effects on Data Transfer

Effects on System Administration

Effects on Customizing

Related Information

[Manage Waste Codes](#)

[Working with Waste Materials - Process Overview](#)

2.2.3.11.3 My Transporters and Disposers – Waste Management

With this feature, a user with the role of *Environmental Manager* can assign waste partners as transporters and disposers in the *My Transporters and Disposers – Waste Management* app. In addition, you can use the *My Transporters and Disposers – Waste Management* app to assign disposers to specific waste materials and to specific disposal facilities and assign transporters to specific waste materials. These assignments are used to create disposal channels, which define how waste products (products assigned to waste materials) are transported out of the waste generator location to the final disposal facility.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-WA (Waste Management)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

The following Customizing activities have been added under ► [Environment, Health and Safety](#) ► [Environment Management](#) ► [Waste Management](#) ► [Master Data](#) ►:

- [Assign BP Roles to Waste Partner Types](#): You can use this Customizing activity to map a waste partner type to a business partner role.
- [Maintain Waste Management Method Codes](#): You can use this Customizing activity to maintain waste management method codes/R&D codes by applicable country/region.

Related Information

[My Transporters and Disposers – Waste Management](#)

2.2.3.11.4 My Waste Streams – Waste Management

With this feature, a user with the role of [Environmental Manager](#) can create waste streams, including waste disposal channels. Waste streams define the relationship between a waste product, a waste generator, a storage location, and the point(s) of waste generation. In addition, disposal channels can be created within a waste stream. Disposal channels define how a waste product can be disposed of. Disposal channels define the relationship between a waste stream and transporters and disposers. Transporters and disposers are previously entered as waste partners and then assigned to a waste material using the [My Transporters and Disposers – Waste Management](#) app.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-WA (Waste Management)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

The following Customizing activities have been added under ► [Environment, Health and Safety](#) ► [Environment Management](#) ► [Waste Management](#) ► [Master Data](#) ►:

- [Maintain Waste Stream Handling Types](#): You can use this Customizing activity to enter handling types for waste streams. The handling type indicates if the waste storage location is required in the waste stream or not.
- [Maintain Waste Stream Regulatory Codes](#): You can use this Customizing activity to maintain regulatory codes and values to be used in waste streams.
- [Maintain Waste Stream Container Types](#): You can use this Customizing activity to maintain container types and their country/region to be used in waste streams.

Related Information

[My Waste Streams – Waste Management](#)

2.2.3.11.5 Addition of Dangerous Goods Information to Materials

With this feature, in the [Manage Material Data - Environment Management](#) app, a user with the role of [Environmental Manager](#) can assign active compliance purposes for dangerous goods to waste materials that have the [Disposed](#) logistics role. You also require a Product Compliance license and the [Product Stewardship Specialist – Product Compliance](#) role. Compliance purposes (collection of relevant dangerous goods compliance requirements from the issuing authorities) must have already been created in Product Compliance before you can assign them on the [Dangerous Goods](#) tab of the [Manage Material Data - Environment Management](#) app. After a valid dangerous goods purpose is assigned to a material, the dangerous goods assessments corresponding to the relevant compliance regulations are visible. These assessments are available to be maintained and released by a user with the role of [Dangerous Goods Specialist – Product Compliance](#) in order to comply with transport regulations.

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	Not applicable
Application Component	EHS-SUS-WA (Waste Management)
Available As Of	SAP S/4HANA 2021

Related Information

[Dangerous Goods Management](#)

2.2.3.11.6 My Waste Transportation Documents

With this feature, a user with the role of [Environmental Manager](#), associated to a location, classified as waste generator, can create, edit, and delete waste transportation documents of waste generators. You can use various filters to search for specific waste transportation documents and update their data.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4XD (Emissions Management)
Application Component	EHS-SUS-WA (Waste Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[My Waste Transportation Documents](#)
[Waste Transportation Documents](#)

2.2.3.12 Management of Material Data in Environment Management

With this feature, you can create new materials and manage their data in the [Manage Material Data – Environment Management](#) app. You can assign products (from the Product Master) to the selected material and manage its analytical composition and its physical-chemical properties, manage additional properties, manage waste codes, assign dangerous goods compliance purposes, and view and navigate to dangerous goods assessments. Once the material data is maintained, you can use the material in follow-on business processes, for example, you can set it as a subject in a sampling activity.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-EM (Environment Management)
Available As Of	SAP S/4HANA 2021

Related Information

[Manage Material Data](#)

2.2.3.13 Assignment of Additional Properties to Materials

With this feature, you can select properties from your chemical/physical properties list or create new properties to assign to a material. If you don't find a property to meet your requirements among the properties provided on the [Default Properties](#) tab of the [Manage Material Data – Environment Management](#) app, you can select properties from your additional properties list on the [Additional Properties](#) tab. If the required property doesn't already exist, you can create a new additional property. Once you have created the property, it will be available for selection in the additional properties list.

Technical Details

Type	New
Functional Localization	Not applicable.
Scope Item	4XD (Emissions Management)
Application Component	EHS-SUS-FND (<i>Sustainability Foundation</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

Effects on Existing Data

Effects on Data Transfer

Effects on System Administration

Effects on Customizing

Related Information

[Manage Additional Properties](#)

2.2.3.14 Data Management in Environment Management

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	Not applicable
Application Component	EHS-SUS-EM (Environment Management), EHS-SUS-WA (Waste Management)
Available As Of	SAP S/4HANA 2021

Additional Details

Name of Data Management Object	Object Type	Changes with this Release	Details	More Information
EHENV_SCEN	Archiving Object	New Archiving Object	You can use this object to archive compliance scenarios and their activities, tasks, and data records.	Archiving Compliance Scenarios and Tasks with EHENV_SCEN
EHEWA_REQT	Archiving Object	New Archiving Object	You can use this object to archive compliance requirements.	Archiving Compliance Requirements Using EHFND_REQT
EHEWA_EWP	Data Destruction object	New Data Destruction Object	You can use this object to destroy waste partner data.	Destroying Waste Partner Data Using EHEWA_EWP
EHEWA_EWS	Data Destruction Object	New Data Destruction Object	You can use this object to destroy waste stream data.	Destroying Waste Stream Data Using EHEWA_EWS
EHFND_REQT	ILM Object	New IRF Implementation	You can use this ILM object to retrieve information about where a business partner is used as an issuing authority.	

Name of Data Management Object	Object Type	Changes with this Release	Details	More Information
EHEWA_EWP_DE- STRUCTION	ILM Object	New IRF Implementa- tion	You can use this ILM object to retrieve information about where a business partner is used as a transporter or disposer.	
EHEWA_EWS_DE- STRUCTION	ILM Object	New IRF Implementa- tion	You can use the ILM object to retrieve information about where a business partner is used as a transporter or disposer in waste streams.	

2.2.3.15 Use of Output Management for E-Mail Notifications in Environment Management

With this feature, you can configure the e-mail templates to use for the e-mail notifications sent by the system in the [Environment Management](#) component. Such notifications are sent to the [Environmental Manager](#), for example, in case of changes of bigger impact in the system to objects such as compliance requirements, compliance scenarios, and the activities related to them.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-EM (Environment Management)
Valid as Of	SAP S/4HANA 2021

Additional Details

SAP delivers default e-mail templates for task-based notifications. Additional configuration is optional and to be used upon discretion.

Effects on Customizing

You can replace the default e-mail templates used in your environment management processes in Customizing for *Environment, Health, and Safety* under [Environment, Health, and Safety](#) > [Foundation for EHS](#) > [Email Notification Types and Email Templates](#) > [Configure E-Mail Templates for Notifications](#).

Related Information

[Use of Output Management for E-Mail Notifications in Environment Management](#)

2.2.3.16 Product Footprint Management

This feature enables you to view product footprints. This feature comes with the SAP Fiori application View Product Footprints that allows you to search and filter for product footprints using various properties. This feature also provides highlighting of product footprints in other Fiori applications that provide smart links for the product. The configuration of this feature is described in set-up instructions. The set-up instructions are part of the best practices that can be viewed in the SAP Best Practices Explorer.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5IM
Application Component	SUS-PPM-INT (Product Footprint Management)
Available As Of	SAP S/4HANA 2021

2.2.3.17 IAM Objects for Product Footprint Management

Changes to the identity and access management (IAM) objects delivered for Product Footprint Management require you to check your business roles and the business catalogs assigned to them. Ensure that the restrictions included in the business catalogs are set correctly to allow your users to use their business apps as needed.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	See the table below
Application Component	SUS-PPM-INT (Product Footprint Management)
Available As Of	SAP S/4HANA 2021

Effects on System Administration

IAM Objects

Name of IAM Object	Object Type	Changes with This Release	Details	Relevant Scope Items
Administrator - Product Footprint Management (SAP_BR_ADMIN_SUS_PFM)	Business role	New business role	This business role enables access to the View Product Footprints app and to smart links to product footprints in SAP Fiori apps that support smart links.	5IM (Product Footprint Management)
Product Footprint Management - Internal Apps for Display (SAP_SUS_BC_PFM_DISPLAY_INT)	Business catalog	New business catalog	This business catalog enables access to the View Product Footprints app through smart links to product footprints in SAP Fiori apps that support smart links.	5IM (Product Footprint Management)
Product Footprint Management - Administration (SAP_SUS_BC_PFM)	Business catalog	New business catalog	This business catalog enables the tile for the View Product Footprints app in the user's SAP Fiori launchpad. It is available in business catalog group SAP_SUS_BCG_PF	5IM (Product Footprint Management)

Related Information

2.2.3.18 SAP Product Footprint Management

You can access footprints from the SAP Product Footprint Management solution in your SAP S/4HANA system through the View Product Footprints application. You can publish your footprint results from the solution to SAP S/4HANA and view the footprints for your business processes. You can also integrate your SAP S/4HANA system with the solution by providing your master and business activity data for footprint calculations.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5IM
Application Component	SUS-PEM (Product Footprint Management)
Valid as Of	SAP S/4HANA 2021

2.2.4 Management of Change

2.2.4.1 Analysis of Change Requests and Activities

With this feature, you can analyze change requests and activities using the [Change Requests and Activities – Detailed Analysis](#) (F5469) app. You can view graphical representations of change request and activities grouped by various criteria. You can add several analysis steps to create an analysis path. With this analysis path, you can evaluate the data you need for information and reporting purposes.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	Not applicable
Application Component	CA - IAM-MOC (Management of Change)
Available As Of	SAP S/4HANA 2021

Related Information

[Change Requests and Activities - Detailed Analysis](#)

2.2.4.2 Overview of Change Requests

With this feature you can get an overview of the existing change requests in the new [Change Requests Dashboard](#) app. You can use dynamic filters with chart visualizations to analyze change requests by various criteria, such as type, status group, type of leading object, and date of entry.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA - IAM-MOC (Management of Change)
Available As Of	SAP S/4HANA 2021

Related Information

[Change Requests Dashboard](#)

2.2.4.3 Overview of Change Activities

With this feature you can get an overview of the existing change activities in the new [Change Activities Dashboard](#) app. You can use dynamic filters with chart visualizations to analyze change activities by various criteria, such as type, status, overdue status, and whether a main responsible person is assigned.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-IAM-MOC (<i>Management of Change</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Change Activities Dashboard](#)

2.3 Resource Scheduling

2.3.1 Resource Scheduling for Maintenance Planners

You can now use additional filters to filter the key figure cards shown in the *Resource Scheduling for Maintenance Planners* app. In addition, the app behavior has changed.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-RSH-EAM
Available As Of	SAP S/4HANA 2021

Additional Details

New Filters

We've added the following filters to the filter dialog:

- [Location](#)
- [Main Work Center](#)
- [Maintenance Plant](#)
- [Maintenance Work Center Plant](#)
- [Planner Group](#)
- [Planning Plant](#)
- [Plant Section](#)
- [Technical Object](#)
- [Technical Object Type](#)

Changed App Behavior

When you open the app at the start of your work day, you must now choose [Go](#) to display the key figure cards.

In addition, when you navigate away from the app and then come back to it, either from the SAP Fiori launchpad or from another app, the app no longer refreshes automatically. To display up-to-date key figures in the cards, you must refresh the app manually using the [Go](#) button or pressing F5.

Related Information

[Cross-App Changes \[page 89\]](#)

[Monitoring Key Figures for Your Work Centers](#)

2.3.2 Manage Schedules

We've introduced several new features and usability enhancements in the [Manage Schedules](#) app. For example, you can now specify a flexible schedule period when setting up a schedule and use drag and drop to schedule order operations in the graphical view.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	CA-RSH-EAM
Available As Of	SAP S/4HANA 2021

Additional Details

Flexible Schedule Period

When you create a schedule, you can now specify a schedule period that is less than or more than a calendar week. As a result of this change, we've adjusted the following labels:

Relevant Schedule Status	Where the Label is Used	Old Label	New Label
<i>Scoping</i>	Title of the utilization forecast chart	<i>Weekly Forecast</i>	<i>Schedule Forecast</i>
<i>Refinement</i>	Title of the utilization forecast chart	<i>Completion in Target Week</i>	<i>Completion in Schedule</i>
	Button	<i>Set Start Day and Time</i>	<i>Set Start Date and Time</i>
	Column	<i>Days in Target Week</i>	<i>Dates in Schedule</i>
<i>Execution</i> and <i>Closed</i>	Subtitle of the utilization chart	<i>Work Completed in Target Week</i>	<i>Work Completed in Schedule</i>

New Status *Dispatched in Addition*

We've added a new status, *Dispatched in Addition*, that becomes relevant after schedule freeze. The status is shown in the *Completion in Schedule* column for operations that weren't in the schedule at the time of the schedule freeze but were dispatched to be completed in the schedule period.

Drag and Drop in the Graphical View

You can now use drag and drop to manually schedule an order operation in the graphical view. When you drop the operation, the app moves it to the nearest hour to the drop position.

New Settings in the Graphical View

You can enable the following new settings to show more information in the graphical view:

Setting	What It Does
<i>Show Non-Working Times</i>	Visualizes times when a work center is closed as light gray vertical bands.
<i>Show 'Must-Start On' Constraints</i>	Displays a vertical line at the beginning of an operation bar to indicate that a <i>Must start on</i> constraint exists.

Setting	What It Does
Show Final Due Date	Displays a milestone icon to indicate the latest acceptable completion date for maintenance orders.
Show Condensed Layout	Optimizes the use of screen space to show more rows in the table and chart.
Show Status Bar	Displays the date and time for the current cursor position below the chart. This setting is effective only if you've enabled the display of the cursor line.

Navigation to the [My Schedules](#) List

You can no longer view the list of your schedules next to an open schedule. To open the [My Schedules](#) list from an open schedule, you now use a dedicated button. The following buttons were removed:

- Toggle button for showing and hiding the [My Schedules](#) list next to the schedule that's currently open
- Button for closing the open schedule to show the [My Schedules](#) list in full screen

New Columns

We've added the following columns to the settings for the list view:

- [Equipment \(Operation\)](#)
- [Execution Stage](#)
- [Execution Stage Description](#)
- [Final Due Date](#)
- [Functional Location \(Operation\)](#)
- [Operation Phase](#)
- [Operation Phase Control](#)
- [Operation Subphase](#)
- [Order Phase](#)
- [Order Phase Control](#)
- [Order Subphase](#)
- [System Condition \(Operation\)](#)
- [Technical Object \(Operation\)](#)
- [Technical Object \(Order\)](#)
- [Technical Object Type \(Operation\)](#)
- [Technical Object Type \(Order\)](#)

The following new columns are available for the graphical view; they show values for orders and for operations, respectively:

- [Phase](#)
- [Phase Control](#)
- [Subphase](#)
- [Technical Object](#)
- [Technical Object Type](#)

Related Information

[Cross-App Changes \[page 89\]](#)

[Setting Up a Schedule](#)

[Settings for the Graphical View of the Manage Schedules App](#)

2.3.3 Manage Work Center Utilization

We've introduced several new features and usability enhancements in the [Manage Work Center Utilization](#) app. For example, we've added two new cross-app navigation options.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-RSH-EAM
Available As Of	SAP S/4HANA 2021

Additional Details

Show Utilization Chart for Specific Work Centers

You can now select one or more work centers to view the utilization in the chart. The chart title changes accordingly to indicate the number of selected work centers.

New Cross-App Navigation Options

If you've the required authorization, you can now open the [Change Work Center](#) app directly from the [Change Work Center Capacity](#) dialog. This new navigation option allows you to make more complex changes to the work center capacity without having to leave the app.

In addition, you can now directly open the [Maintenance Scheduling Board](#) app after selecting one or more orders on the [Maintenance Orders](#) tab. This new navigation option allows you to visualize relationships between the order operations of the selected orders and to show [Must start on](#) constraints for order operations, for example.

New Columns and Filters

We've added the following attributes as filters in the filter bar and as table columns on the [Maintenance Order Operations](#) tab:

- [Operation Phase](#)
- [Operation Phase Control](#)
- [Operation Subphase](#)
- [Order Phase](#)
- [Order Phase Control](#)
- [Order Subphase](#)
- [Technical Object \(Operation\)](#)
- [Functional Location \(Operation\)](#)
- [Equipment \(Operation\)](#)
- [System Condition \(Operation\)](#)

Note

Because some of these attributes were already available for maintenance orders, we've added information in brackets to show if an attribute refers to an order or an operation.

On the [Maintenance Orders](#) tab, we've added the following new columns.

- [Order Phase](#)
- [Order Subphase](#)
- [Phase Control](#)
- [Technical Object](#)

Label Change

We've renamed the [Schedule](#) button to [Add to Schedule](#) to better reflect the button's functionality.

Related Information

[Cross-App Changes \[page 89\]](#)

[App Extensibility \(Key Users\) \[page 91\]](#)

[Changing the Available Work Center Capacity](#)

[Moving Order Operations to Another Date or Work Center](#)

2.3.4 Maintenance Scheduling Board

We've introduced several new features and usability enhancements in the [Maintenance Scheduling Board](#) app. For example, you can now create and delete relationships between order operations, use drag and drop to move order operations, and visualize work center utilization in the chart.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-RSH-EAM
Available As Of	SAP S/4HANA 2021

Additional Details

New Features

You can now do the following:

- Drag and drop operations
You can now use drag and drop to move individual order operations to a new start date and time. The app adjusts the start time to the nearest hour to the drop position.
- Remove date constraints
[Must start on](#) constraint that was set when the operation was dispatched. You can now remove date constraints for order operations. This is useful, for example, if you cancel the dispatch of an order operation and you want to remove the
- Create and delete relationships
You can now create and delete relationships between order operations directly in the chart. To create a relationship, you select an operation in the chart and draw a line to the operation that you want to relate to it. To delete a relationship, you use the context menu for the relationship element in the chart.
- Trigger order scheduling
You can now trigger the automatic scheduling of all operations in a maintenance order. This feature is especially helpful if you've created a cross-order relationship or used drag and drop to move an order operation with a cross-order relationship.
- Context menu for chart elements
You can now use a context menu to trigger actions for order operations and relationships in the chart. The context menu only shows the options that are currently available for the element.

New Chart Settings

You can enable the following new settings to show more information in the chart:

Setting	What It Does
Show Work Center Utilization	<p>You can now remove date constraints for order operations. This is useful. Displays a color-coded bar indicating the utilization of an operation's work center.</p> <p>The utilization data (utilization percentage, capacity load, and available capacity in hours) is aggregated for each day on which the work center is open and is shown when you hover over the bar.</p>
Show Non-Working Times	Visualizes times when a work center is closed as light gray vertical bands.
Show 'Must-Start On' Constraints	Displays a vertical line at the beginning of an operation bar to indicate that a Must start on constraint exists.
Show Final Due Date	Displays a milestone icon to indicate the latest acceptable completion date for maintenance orders.
Show Condensed Layout	Optimizes the use of screen space to show more rows in the table and chart.
Show Status Bar	Displays the date and time for the current cursor position below the chart. This setting is effective only if you've enabled the display of the cursor line.

In addition, we've restructured the chart settings dialog by grouping related settings on different tabs.

New Filters and Columns

We've added the following attributes as filters:

- [Equipment \(Operation\)](#)
- [Execution Stage](#)
- [Final Due Date](#)
- [Functional Location \(Operation\)](#)
- [Technical Object \(Operation\)](#)
- [Technical Object \(Order\)](#)
- [Technical Object Type \(Operation\)](#)
- [Technical Object Type \(Order\)](#)
- [Order Phase Control](#)
- [Order Subphase](#)
- [Operation Phase Control](#)
- [Operation Subphase](#)
- [System Condition \(Operation\)](#)

The following attributes have been added as table columns only:

- [Execution Stage](#)
- [Execution Stage Description](#)
- [Final Due Date](#)
- [Phase](#)
- [Phase Control](#)
- [Subphase](#)
- [Technical Object](#)
- [Technical Object Type](#)

These columns show values at order level and at operation level, respectively. The same applies for the [Equipment](#), [Functional Location](#), and [System Condition](#) columns, which were available in previous releases but up until this release only showed values for orders.

Access to the App

You can now open the [Maintenance Scheduling Board](#) app directly from within the [Manage Work Center Utilization](#) app and the [View Maintenance Schedule for Assets](#) app.

App Refresh Behavior

We've adjusted the way the app refreshes after you've made changes or when you come back to the app from another app. The new behavior is as follows:

Your Action	Result
You change or dispatch an order operation.	Expanded entries remain expanded, scroll position and zoom level remain unchanged.
You change an order operation so that it no longer complies with the current filter criteria. For example, you move an operation to a date that is outside the time period shown in the app.	The operation is still shown in the table until you manually refresh the app by choosing Go or pressing F5 .
You add new columns to the table.	Any entries that you selected and/or expanded are automatically deselected and/or collapsed.
You navigate to another app and then come back to the app.	<p>The app is in the same state as when you left it. If you come back to the app, expanded entries are still expanded and any filters that you added are still in place.</p> <p>To display any changes that were made to orders and operations while you were working in another app, you must refresh the app manually by choosing Go or pressing F5.</p>

Related Information

[Cross-App Changes \[page 89\]](#)

[Working with the Maintenance Scheduling Board](#)

2.3.5 Assign Maintenance Order Operations

You can now use additional filters and table columns in the [Assign Maintenance Order Operations](#) app.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-RSH-EAM
Available As Of	SAP S/4HANA 2021

Additional Details

We've added the following attributes as filters and table columns:

- [Equipment \(Operation\)](#)
- [Execution Stage](#)
- [Final Due Date](#)
- [Functional Location \(Operation\)](#)
- [Order Phase Control](#)
- [Order Subphase](#)
- [Operation Phase Control](#)
- [Operation Subphase](#)
- [System Condition \(Order\)](#)
- [Technical Object \(Operation\)](#)
- [Technical Object \(Order\)](#)
- [Technical Object Type \(Operation\)](#)
- [Technical Object Type \(Order\)](#)

The following new attributes are available as table columns only:

- [Order Phase](#)
- [Operation Phase](#)
- [Execution Stage Description](#)

Related Information

[Cross-App Changes \[page 89\]](#)

[App Extensibility \(Key Users\) \[page 91\]](#)

2.3.6 View Maintenance Schedule for Assets

We've introduced some new features and usability enhancements for the [View Maintenance Schedule for Assets](#) app. For example, you can now enable three new chart settings and add several new columns in the table area of the app.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-RSH-EAM
Available As Of	SAP S/4HANA 2021

Additional Details

New Chart Settings

You can enable the following new settings to show more information in the chart:

Setting	What It Does
Show Final Due Date	Displays a milestone icon to indicate the latest acceptable completion date for maintenance orders.
Show Condensed Layout	Optimizes the use of screen space to show more rows in the table and chart.
Show Status Bar	Displays the date and time for the current cursor position below the chart. This setting is effective only if you've enabled the display of the cursor line.

New Cross-App Navigation Option

You can now directly open the [Maintenance Scheduling Board](#) app using a new button. This new navigation option allows you, for example, to view relationships and [Must start on](#) constraints for the selected maintenance orders and their operations or to get a visual overview of work center utilization at a given point in time.

New Columns

We've added the following new columns:

- [Final Due Date](#)
- [Phase](#)
- [Subphase](#)
- [Phase Control](#)

Related Information

[Cross-App Changes \[page 89\]](#)

2.3.7 Cross-App Changes

We've made some changes that affect multiple apps. For example, in three apps, you can now specify the time period relative to the current date. In addition, we've adjusted two labels for attributes that are available in all of the apps. Last but not least, the app refresh behavior has changed.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-RSH-EAM
Available As Of	SAP S/4HANA 2021

Additional Details

New Option to Set a Dynamic Time Period

Using the time period filter, you can now set a dynamic date range relative to the current date. Using this option, you can specify how many days in the past and how many days in the future you want to include in the display time period.

This option is available in the following apps:

- [Manage Work Center Utilization](#)
- [Maintenance Scheduling Board](#)
- [Assign Maintenance Order Operations](#)

Label Changes

We've adjusted the labels for the following fields and filters:

Old Label	New Label	Why Changed
Revision	Maintenance Event	There's been a central terminology change in the asset management area.
Activity Type	Maintenance Activity Type	<p>The new label better reflects the information shown.</p> <p>While <i>maintenance activity type</i> is used in controlling to classify the activities performed in a cost center, describes the type of maintenance work required (for example, repair, cleaning, inspection), the term</p>

Changed App Refresh on Back Navigation

When you navigate back to an app from another app, the app is no longer refreshed automatically but remains in the same state as when you left it. For example, if you navigate back to the [Maintenance Scheduling Board](#) app, entries that you had expanded are still expanded and any filters that you had added are still in place.

To check if orders and operations were changed while you were working in another app, you must refresh the app manually, for example, by choosing [Go](#) or pressing F5.

Note

To show up-to-date data in the [Resource Scheduling for Maintenance Planners](#) app, you must always use [Go](#), regardless of whether you open it from the SAP Fiori launchpad or navigate back to it from another app.

Related Information

[Display Time Period](#)

2.3.8 App Extensibility (Key Users)

As a key user, you can now extend the [Manage Work Center Utilization](#) app and the [Assign Maintenance Order Operations](#) app by adding custom fields for maintenance orders.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-RSH-EAM
Available As Of	SAP S/4HANA 2021

Related Information

[App Extensibility: Manage Work Center Utilization](#)

[App Extensibility: Assign Maintenance Order Operations](#)

2.4 Country/Region Specifics

For country/region-specific changes, please see [Country/Region Specifics \[page 1117\]](#).

3 Finance

3.1 Deprecation of SAP Design Studio Apps in Finance

All SAP Design Studio apps in Finance are deprecated in SAP S/4HANA 2021.


We recommend that you switch to the Web Dynpro apps, which are the successor apps and already the default tiles on the SAP Fiori launchpad.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI (<i>Finance</i>), FIN (<i>Financials</i>), CO (<i>Controlling</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

With SAP S/4HANA 2021, the Web Dynpro version of the tiles become the default tiles on the SAP Fiori launchpad. The Design Studio version of the tiles are moved to the app finder.

For a complete list of all deprecated SAP Design Studio apps in SAP S/4HANA 2021, see [3081996](#) .

Effects on Existing Data

Due to different technologies, you need to recreate variants in SAP Web Dynpro apps that you might have created in SAP Design Studio Apps. For more information, see [View Browser](#).

Related Information

[Deprecation of SAP Design Studio Apps \[page 1056\]](#)

3.2 Fiori Content for Finance

Changes to Finance objects related to user management and authorizations for Fiori apps are delivered with this release. These objects include, for example, business catalogs, technical catalogs, business role templates, and target mappings.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	All Finance components
Available As Of	SAP S/4HANA 2021

Additional Details

Details about the changes for Finance are summarized in the following SAP Notes:

Affected content	Related software components	Link to SAP Note
Fiori content for International Trade	S4CORE, UIS4HOP1	3061985 - Release Information: Changes in SAP Fiori Content for International Trade Management in SAP S/4HANA 2021
Fiori content for Settlement Management	S4CORE, UIS4HOP1	3069329 - Release Information: Changes in SAP Fiori Content for Settlement Management in SAP S/4HANA 2021
All other Finance Fiori content	S4CORE, UIAPFI70	3002134 - Release Information: Changes in SAP Fiori Content for Finance in SAP S/4HANA 2021

For information about the user management and authorization content needed for new Fiori apps, see the SAP Fiori apps reference library at <https://fioriappslibrary.hana.ondemand.com>.

See Also

For more information about user management and authorizations, see [User Management and Authorization](#).

3.3 Functional Currency - Availability in Finance Apps

The functional currency specifies the currency of a company's primary economic environment, which is, the currency that the company mainly uses for its business activities.

You can choose a currency type as the functional currency from the company code currency (10), the group currency (30), and the freely defined currency. If you don't enter a functional currency, the company code currency (10) is used by default.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	See the table below
Application Component	See the table below
Available As Of	SAP S/4HANA 2021

Additional Details

The apps in which the functional currency is available are listed here:

Apps Using Functional Currency

App Name	Application Component	Scope Item	Use
Verify General Journal Entries - For Requester	FI-FIO-GL-TRA (Transaction Apps)	J58 (Accounting and Financial Close)	Amount in Functional Currency can be displayed in settings.
Verify Currency Adjustments - For Requester	FI-FIO-GL-TRA (Transaction Apps)	J58 (Accounting and Financial Close)	Amount in Functional Currency can be displayed in settings.
Verify Journal Entries in General Ledger - For Processor (Inbox)	FI-FIO-GL-TRA (Transaction Apps)	J58 (Accounting and Financial Close)	Amount in Functional Currency can be displayed in journal entry line items.
Verify Journal Entries in General Ledger - For Processor (Outbox)	FI-FIO-GL-TRA (Transaction Apps)	J58 (Accounting and Financial Close)	Amount in Functional Currency can be displayed in journal entry line items.

App Name	Application Component	Scope Item	Use
<i>Manage Workflows for Journal Entry Verification - In General Ledger</i>	FI-FIO-GL-TRA (<i>Transaction Apps</i>)	J58 (Accounting and Financial Close)	<i>Threshold amount in Functional Currency</i> is a condition option to start the workflow.
<i>Manage Journal Entries</i>	FI-FIO-GL-TRA (<i>Transaction Apps</i>)	J58 (Accounting and Financial Close)	<i>Functional Currency Amount</i> can be displayed in settings.
<i>Manage Recurring Journal Entries</i>	FI-FIO-GL-TRA (<i>Transaction Apps</i>)	J58 (Accounting and Financial Close)	<i>Amount in Functional Currency</i> can be displayed in settings.
<i>Balance Sheet/Income Statement</i>	FI-FIO-GL-IS (<i>Reporting Apps</i>)	J58 (Accounting and Financial Close) 1GA (Accounting and Financial Close - Group Ledger IFRS)	Amounts can be displayed in functional currency.
<i>Balance Sheet/Income Statement - Multidimensional</i>	FI-FIO-GL-IS (<i>Reporting Apps</i>)	J58 (Accounting and Financial Close)	The functional currency can be chosen as currency type so that the respective balances in the multidimensional balance sheet or income statement are shown in the selected functional currency.
<i>Display Line Item Entry</i>	FI-FIO-GL-IS (<i>Reporting Apps</i>)	J58 (Accounting and Financial Close)	G/L account line items can be filtered by <i>Functional Currency</i> and <i>Amount in Functional Currency</i> . <i>Functional Currency</i> and <i>Amount in Functional Currency</i> can be added as columns to the line items table via the settings.
<i>Display Line Items in General Ledger</i>	FI-FIO-GL-IS (<i>Reporting Apps</i>)	J58 (Accounting and Financial Close)	<i>Amount in Functional Currency</i> , <i>Debit Amount in Functional Currency</i> , <i>Credit Amount in Functional Currency</i> , and the <i>Functional Currency</i> can be added via the settings and are then displayed in the line items table.

App Name	Application Component	Scope Item	Use
<i>Display G/L Account Balances</i>	FI-FIO-GL-IS (<i>Reporting Apps</i>)	J58 (Accounting and Financial Close)	<i>Functional Currency</i> can be chosen as currency so that the balances of the general ledger accounts are displayed in the respective functional currency.
<i>Trial Balance</i>	FI-FIO-GL-IS (<i>Reporting Apps</i>)	J58 (Accounting and Financial Close)	Expanding <i>Measures</i> in the <i>Navigation Panel Starting Balance in Functional Currency</i> , <i>Debit Amount in Functional Currency</i> , <i>Credit Amount in Functional Currency</i> and <i>Ending Balance in Functional Currency</i> can be added so that the respective amounts for the balances in the <i>Data Analysis</i> table are shown in functional currency.
<i>Trial Balance Comparison</i>	FI-FIO-GL-IS (<i>Reporting Apps</i>)	J58 (Accounting and Financial Close)	Expanding <i>Measures</i> in the <i>Navigation Panel Amount in Functional Currency</i> , <i>Starting Balance in Functional Currency</i> , <i>Difference Amount in Functional Currency</i> , and the respective comparison amounts in functional currency can be added so that the respective amounts when comparing balances, for example, for time periods from the current and the previous year, are shown in the <i>Data Analysis</i> table in functional currency.
<i>Audit Journal</i>	FI-FIO-GL (<i>Fiori UI for General Ledger Accounting</i>)	J58 (Accounting and Financial Close)	<i>Amount in Functional Currency</i> can be displayed for journal entries and reference documents.

App Name	Application Component	Scope Item	Use
Manage Customer Line Items	FI-FIO-AR (Fiori UI for Accounts Receivable)	J59 (Accounts Receivable)	Amount in Functional Currency can be displayed for posted items, that is, normal items, special G/L transactions, and noted items. Amount in Functional Currency isn't displayed for parked items.
Manage Supplier Line Items	FI-FIO-AP (Fiori UI for Accounts Payable)	J60 (Accounts Payable)	Amount in Functional Currency can be displayed for posted items, that is, normal items, special G/L transactions, and noted items. Amount in Functional Currency isn't displayed for parked items.
Schedule Job for Cutback	CA-JVA (Joint Venture Accounting)	3F7 (Joint Venture Accounting)	In Joint Venture Accounting, the functional currency is available for cutback.
Schedule Job for Netting	CA-JVA (Joint Venture Accounting)	3F7 (Joint Venture Accounting)	In Joint Venture Accounting, the functional currency is available for netting.
Schedule Job for Billing	CA-JVA (Joint Venture Accounting)	3F7 (Joint Venture Accounting)	In Joint Venture Accounting, the functional currency is available for billing.
Remaining Cutback	CA-JVA (Joint Venture Accounting)	3F7 (Joint Venture Accounting)	In Joint Venture Accounting, the functional currency is available for the remaining cutback report.

Related Information

[Define Functional Currency](#)

[Currencies Managed in Parallel in the Universal Journal](#)

[Functional Currency Support for Joint Venture Accounting Cutback, Netting, Billing \[page 186\]](#)

3.4 Deprecation of ProfitabilitySegment in CDS Views for Finance

The field `ProfitabilitySegment` was deprecated with SAP S/4HANA 2021 and will be replaced with the field `ProfitabilitySegment_2`. We recommend that you switch to the field `ProfitabilitySegment_2` as soon as possible.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA (<i>Contract Accounts Receivable and Payable</i>) , FI-GL-IS (<i>General Ledger Accounting - Information System</i>), FI-RA (<i>Revenue Accounting</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

- The field `ProfitabilitySegment_2` is a character field (CHAR), while the field `ProfitabilitySegment` is a numeric character field (NUMC). The field lengths are the same.
- If no profitability segment is assigned to the field `ProfitabilitySegment_2`, there may be entries with a space (new entries), entries with 0000000000 (old entries), or both. When you switch to the field `ProfitabilitySegment_2`, you must adapt your code that checks whether the field is empty (that is, a space or 0000000000).
- The field `ProfitabilitySegment_2` will contain non-numeric characters (that is, characters from A to Z) after the system reaches the highest numerical value.

The following table shows the affected CDS views in Finance and their related apps:

Affected CDS Views and Apps

CDS View	Related App	Application Component
<i>G/L Document Item</i> (<code>I_CADocumentGLItem</code>)	Not applicable	FI-CA (<i>Contract Accounts Receivable and Payable</i>)
<i>Operational Journal Entry Item - Cube</i> (<code>I_OperationalAcctgDocCube</code>)	Not applicable	FI-GL-IS (<i>General Ledger Accounting - Information System</i>)

CDS View	Related App	Application Component
Operational Accounting Document Item (I_OperationalAcctgDocItem)	Not applicable	FI-GL-IS (<i>General Ledger Accounting - Information System</i>)
Additional Ledger Journal Entry Item (I_AddlLedgerOplAcctgDocItem)	Not applicable	FI-GL-IS (<i>General Ledger Accounting - Information System</i>)
Operational Item for Browser (I_OplAcctgDocumentItemBrowser)	Not applicable	FI-GL-IS (<i>General Ledger Accounting - Information System</i>)
Revenue Schedule Deferral Item - Cube (I_RADefrlItemForDspCrcyCube)	Not applicable	FI-RA (<i>Revenue Accounting</i>)
Remaining Performance Obligations - Cube (I_RATotalOpenRevenueCube)	Not applicable	FI-RA (<i>Revenue Accounting</i>)
Remaining Performance Obligations with Time Bands - Cube (I_RAOpenRevenuePerPeriodCube)	Not applicable	FI-RA (<i>Revenue Accounting</i>)
RA Performance Obligation (I_RAPerformanceObligation)	Not applicable	FI-RA (<i>Revenue Accounting</i>)
Disaggregation of Recognized Revenue (C_RAYrToDteRecgdRevNQuery)	Not applicable	FI-RA (<i>Revenue Accounting</i>)

For a list of affected CDS Views in other areas, see [Deprecation of ProfitabilitySegment in CDS Views \[page 1108\]](#).

Related Information

[Deprecated and Decommissioned CDS Views](#)

3.5 Financial Planning and Analysis

3.5.1 Overhead Cost Controlling (CO-OM)

3.5.1.1 Set Report Relevancy - Set Based Hierarchies

With this app, you can designate new cost center and profit center hierarchies as report-relevant when you create them. Making changes while maintaining your cost center and profit center groups means that you need

to trigger replication of those hierarchies. This replication ensures that your changes are incorporated into the affected hierarchies. If this replication is not performed, then these hierarchies cannot be used in reporting. The first time you create a new root node item, you need to ensure that the new item is designated as report-relevant in the system. This one-time effort for new root node items ensures that they are replicated in the runtime hierarchy and can be used in reports.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J54 (Overhead Cost Accounting) J55 (Margin Analysis) J58 (Accounting and Financial Close) 2QL (Universal Allocation) 1HB (Financial Plan Data Upload from File)
Application Component	CO-OM (<i>Overhead Cost Controlling</i>) FI-GL (<i>General Ledger Accounting</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

You can use this app to:

- Mark new sets in the hierarchy as report-relevant
- Mark sets in the hierarchy for autoreplication
- Indicate report relevance and mark for autoreplication at subnode level

This app is the successor of the classic SAP GUI version of the app [Set Report Relevancy - Set-Based Hierarchies \(HRY_REPRELEV\)](#). We recommend that you switch to the new app [Set Report Relevancy - Set-Based Hierarchies](#) as soon as possible.

Related Information

[Set Report Relevancy - Set-Based Hierarchies](#)

3.5.1.2 Manage Cost Center Budgets

The [Transfer Cost Center Budgets](#) app has been enhanced and, therefore, renamed to [Manage Cost Center Budgets](#). Now, you can also supplement and return cost center budgets. Previously, it was only possible to transfer cost center budgets.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J54 (Overhead Cost Accounting)
Application Component	CO-OM (Overhead Cost Controlling)
Valid as Of	SAP S/4HANA 2021

Additional Details

Before you can transfer, return, or supplement budgets, cost center data and budget for the current fiscal year must exist.

To create cost center data:

- Create a cost center using the [Manage Cost Centers](#) app.
- Create a cost center budget using the [Import Financial Plan Data](#) app.

The budget processes can be controlled by the budget availability control so that you can't transfer or return a budget amount that is more than the available budget.

Effects on Customizing

If you want to use Budget Availability Control, the following steps must also be completed:

- Create a G/L account hierarchy using the [Manage Global Hierarchies](#) app.
- Create a budget availability control profile in the [Maintain Budget Availability Control Profile](#) Customizing activity.
- In the [Manage Cost Centers](#) app, ensure that [Availability Control](#) is set to [ON](#).

Related Information

[Manage Cost Center Budgets](#)

3.5.1.3 Block Intercompany Postings

This customizing activity allows you to configure how CO intercompany (ICO) postings are handled. You can allow or block all intercompany postings, or allow ICO postings only for certain combinations of sender and receiver company codes.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J54 (Overhead Cost Accounting)
Application Component	CO-OM (Overhead Cost Controlling)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

Find the customizing activity [Block Intercompany Postings](#) under ► [Controlling](#) ► [Cost Center Accounting](#) ► [Actual Postings](#) ► [Intercompany Postings](#) ►.

Related Information

[Intercompany Postings](#)

3.5.1.4 Manage Internal Orders (Version 2)

With this app, you can display internal orders and navigate to other apps for managing internal orders, such as [Manage Internal Orders](#), [Where-Used List – Internal Orders](#), and [Change Log – Internal Orders](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BEV (Internal Order - Actual)
Application Component	CO-FIO-OPA-MD (<i>Overhead Orders – Master Data</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Manage Internal Orders \(Version 2\)](#)

3.5.1.5 Where-Used List – Internal Orders

With this app, you can find all mentions of a specific internal order in other objects, such as cost allocation cycles, cost allocation segments, fixed assets, and groups. You can also navigate to other apps related to these objects.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BEV (Internal Order - Actual)
Application Component	CO-FIO-OPA-MD (<i>Overhead Orders – Master Data</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Where-Used List – Internal Orders](#)

3.5.1.6 Change Log – Internal Orders

With this app, you can view the changes made to internal order master data. You can see what was changed, who made the change and when.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BEV (Internal Order - Actual)
Application Component	CO-FIO-OPA-MD (<i>Overhead Orders – Master Data</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Change Log – Internal Orders](#)

3.5.1.7 Commitments by Cost Center - Classic Commitment Management

With this app you can track commitments posted on individual cost centers and compare them with actual expenses, plans, and budgets. It uses the classic commitment management framework.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J54 (Overhead Cost Accounting)
Application Component	CO-FIO-CCA-IS
Valid as Of	SAP S/4HANA 2021

Related Information

[Commitments by Cost Center - Classic Commitment Management](#)

3.5.1.8 Cost Center Budget

You can use the [Cost Center Budget](#) (`I_CostCenterBudget`) CDS view to display information about budget, actual costs, commitments, and available budget for your budget-carrying cost centers.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J54 (Overhead Cost Accounting)
Application Component	CO-OM (Overhead Cost Controlling)
Valid as Of	SAP S/4HANA 2021

Additional Details

This CDS view provides the data to answer the following business questions:

- How much of the available cost center budget has been consumed?
- Which cost centers are over budget?
- What are the expected costs in comparison to the actual costs?
- What are the planned costs in comparison to actual costs and commitments?

Effects on Customizing

Budget availability control helps you avoid budget exceedances for cost centers and the Cost Center Budget Report app provides you with information about budget, actual costs, commitments, and available budget for your budget-carrying cost centers.

To use budget availability control for your cost centers, you must maintain data in several configuration steps. For more information, refer to the [Configuration Steps](#) for budget availability control in cost centers.

Related Information

[Cost Center Budget](#)

[Budget Availability Control for Cost Centers](#)

3.5.2 Financial Planning

3.5.2.1 SAP IBP Integration with Financial Planning in SAP Analytics Cloud

i Note

Please note that due to different release schedules of the products involved, this integration is only available productively as of 13 November 2021.

For a company, it is essential to integrate different planning processes, for example, between sales and operations planning (S&OP) and financial planning. Integration helps companies react more quickly to changes and assess their impact. In addition, integration contributes to a better alignment between financial planning and supply chain planning. SAP offers this integration between SAP Integrated Business Planning (SAP IBP) and financial planning in SAP Analytics Cloud for SAP S/4HANA.

Prerequisite for using this feature is the availability and integration between an SAP IBP system, an SAP S/4HANA system, and an SAP Analytics Cloud system.

For more information, please see [Integration of SAP Integrated Business Planning with Financial Planning in SAP Analytics Cloud](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4RC (Integrated Financial Planning)
Application Component	CO-FIO-SAC-PL (SAP Analytics Cloud Planning Content)
Available As Of	SAP S/4HANA 2021

Additional Details

During the monthly S&OP process in SAP IBP, the supply chain planner calculates the quantity of the consensus demand plan. The financial planner imports the quantity of the consensus demand plan from SAP

IBP into profitability planning in SAP Analytics Cloud. Based on the input received from SAP IBP, the net revenue and the costs of goods sold are calculated in SAP Analytics Cloud. These values can be transferred back to SAP IBP for further review.

This process ensures that the quantities and calculated values are consistent between the two systems. In addition, adopting the quantity planning data from SAP IBP reduces the effort on the financial side. And the planning results from financial planning in SAP Analytics Cloud increase the accuracy of the S&OP management business review process.

Related Information

[Integration of SAP Integrated Business Planning with Financial Planning in SAP Analytics Cloud](#)
[Financial Planning in SAP Analytics Cloud](#)

3.5.2.2 Term 'Investment Planning in SAP Analytics Cloud' Replaced by term 'Capital Expense Planning in SAP Analytics Cloud'

To achieve a clearer distinction from the area of financial investment, we have renamed *investment planning in SAP Analytics Cloud* as *capital expense planning in SAP Analytics Cloud*. In the United States in particular, what is included in the functional scope provided by SAP is better known as capital expense planning, or CAPEX for short .

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4RC (Integrated Financial Planning)
Application Component	CO-FIO-SAC-PL (SAP Analytics Cloud Planning Content)
Available As Of	SAP S/4HANA 2021

Additional Details

The term *investment planning* has been replaced with the term *capital expense planning* in:

- The product assistance on the SAP Help Portal
- System objects such as UI texts, story, data actions, and model

Related Information

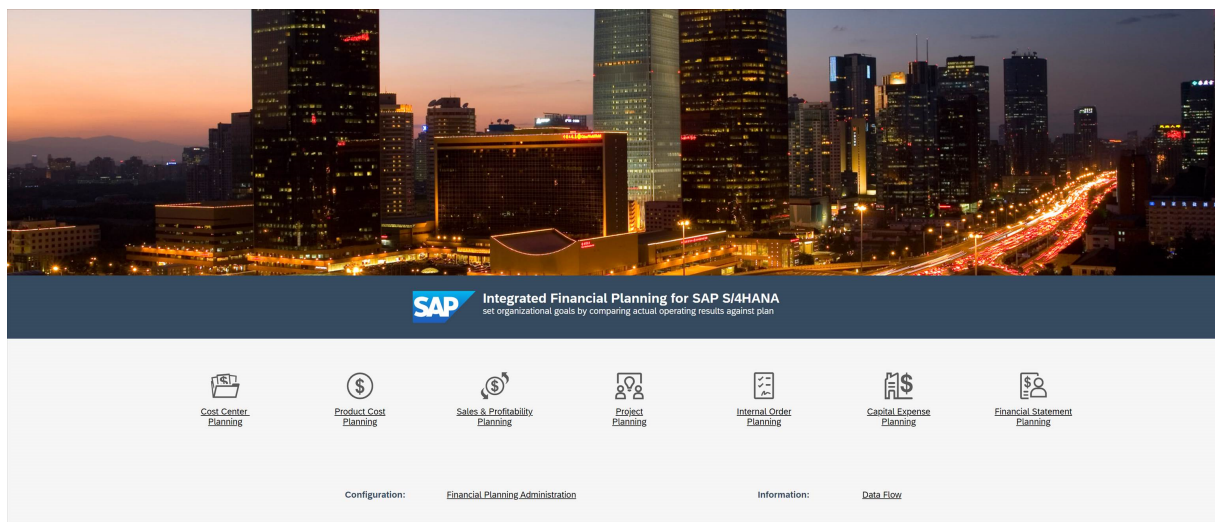
[Capital Expense Planning in SAP Analytics Cloud](#)

3.5.2.3 Landing Page for Financial Planning in SAP Analytics Cloud

To get you started with financial planning in SAP Analytics Cloud, SAP is delivering the Integrated Financial Planning for SAP S/4HANA business content. The landing page is now part of this business content. It gives an overview of the financial planning scenarios offered by SAP and facilitates navigation within the content.

i Note

The following multimedia content displays screens and interfaces in English only.



Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4RC (Integrated Financial Planning)
Application Component	CO-FIO-SAC-PL (SAP Analytics Cloud Planning Content)
Available As Of	SAP S/4HANA 2021

Related Information

[Landing Page for Financial Planning in SAP Analytics Cloud](#)
[Financial Planning in SAP Analytics Cloud](#)

3.5.2.4 Import Financial Plan Data: Enhancements of CSV File

When uploading financial plan data in the [Import Financial Plan Data](#) app, you have to use a CSV file (comma-separated values file) as the source file. The CSV structure has been enhanced with the following features that you can optionally use.

- Decimal separators
- Fixed values
- Global field names

For more information, please see section Additional Details.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1HB (Financial Plan Data Upload from File)
Application Component	CO-FIO-OM-PL (Planning)
Available As Of	SAP S/4HANA 2021

Additional Details

- **Decimal Separator**

Previously, the amounts in the CSV file could not have more than two decimal places. Now, this restriction no longer exists. However, if you want to have more than two decimal places, you must explicitly name the decimal separator in the CSV file.

For more information, see [Structure of the Source Files](#).

- **Fixed Values**

Optionally, for each field, you can define fixed values as parameters in the CSV file. For example, you can specify that the category is always `PLN` (*Planning*). In this way, the *Category* field with the value `PLN` is automatically part of the plan data. You no longer need to add this field as a separate column in the CSV file and enter the value for each row. In the *Plan Data* section, the *Category* field with the value `PLN` is repeated virtually for each row. Using the `FIXED_VALUE` parameter makes it easier to define the plan data in the CSV file and reduces the amount of data that needs to be transferred to the system.

For more information, see [Structure of the Source Files](#).

- **Global Field Names**

In the *Plan Data* section of the CSV file, you define the plan data and the plan data scope of the source file. You enter the technical names of the fields for which you want to import data. Now, you can optionally enter the global field names instead of the technical names for the fields. Note that you can use either the technical name or the global field name. A mixture of these two styles is not allowed.

For example, for the *Planning Category* field, you can enter the global field name `PlanningCategory` instead of the technical name `CATEGORY`. Global field names are globally unique and widely used at SAP, for example in field names of CDS views or OData services.

For more information, see [Fields for Financial Plan Data Import](#).

The parameter section must always be enclosed by the `[PARAMS]` tag at the beginning and `[END_PARAMS]` at the end. To define a decimal separator and fixed values for specific fields in your CSV file, add the following rows above the row with the technical field names in the following order:

First Column	Second Column	Third Column
<code>[PARAMS]</code>		
<code>DECIMAL_SEPARATOR</code>	COMMA or PERIOD, depending on which decimal separator you want to use, comma (,) or period (.)	
<code>FIXED_VALUE</code>	Technical name or global field name of the field that you want to include in the plan data scope. Example of a technical name: <code>CATEGORY</code> Example of a global field name: <code>PlanningCategory</code>	The value for the field. Example: <code>PLN</code>
<code>[END_PARAMS]</code>		

Example

Example source file with the use of the decimal separator, multiple fixed values, and global field names:

[PARAMS]			
DECIMAL_SEPARATOR	COMMA		
FIXED_VALUE	CompanyCode	1010	
FIXED_VALUE	PlanningCategory	PLN	
[END_PARAMS]			
LedgerFiscalYear	FiscalPeriod	AmountInGlobalCurrency	GlobalCurrency
Year	Posting Period	Amount in Global Currency	Global Currency
X	X		
2021	1	111,456	USD

After the import of the source file, the system now recognizes the comma of the amount 111,456 in last row as a decimal separator. Previously, the system would have interpreted the comma as a thousand separator.

The `FIXED_VALUE` parameters have the effect that the [Company Code](#) field with the value 1010 and the [Plan Category](#) field with the value PLN are automatically included in the plan data scope.

Related Information

[Import Financial Plan Data](#)

3.5.2.5 Analyze Financial Plan Data in Financial Planning Apps

The following financial planning apps have been enhanced with the new [Analyze Plan Data](#) button:

- F3396 - [Copy Financial Plan Data](#)
- F4850 - [Set Financial Plan Data to Zero](#)
- F4074 - [Delete Financial Plan Data with Timestamp](#)
- F4851 - [Delete Financial Plan Data](#)

The [Analyze Plan Data](#) function opens the [Financial Plan Data](#) app to display the selected data. In this report, you can analyze the selected data scope before or after performing the main action of the app, such as copying data, setting data to zero, deleting data using a timestamp, or deleting all data.

If you want to create your own report or find the correct data, you can go to [Related Apps](#) and choose [Open Financial Plan Data](#). This also opens the [Financial Plan Data](#) app. However, in this context, the app does not contain any of the selected filter parameters. Here, you can create a report from scratch by defining the appropriate filter criteria.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1HB (Financial Plan Data Upload from File)
Application Component	CO-FIO-OM-PL (<i>Planning</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Copy Financial Plan Data](#)
[Set Financial Plan Data to Zero](#)
[Delete Financial Plan Data - with Timestamp](#)
[Delete Financial Plan Data](#)

3.5.2.6 Display Financial Plan Data

The *Display Financial Plan Data* app is now available on its own tile and can be accessed from the SAP Fiori Launchpad. Before, the app could be called up only from certain apps, such as the *Import Financial Plan Data* app. The *Display Financial Plan Data* app enables you to perform reporting using plan data for all types of entities relevant for accounting.

For more information, see [Display Financial Plan Data](#).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1HB (Financial Plan Data Upload from File)
Application Component	CO-FIO-OM-PL (<i>Planning</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Import Financial Plan Data](#)
[Display Financial Plan Data](#)

3.5.2.7 Differentiation of Costs by Fixed and Variable Amounts in Financial Planning with SAP Analytics Cloud

The differentiation of costs by fixed and variable amounts that is possible in SAP Analytics Cloud planning can now also be mapped during import and export between SAP Analytics Cloud and SAP S/4HANA Cloud. However, this applies only to values in company code currency and global currency.

For more information, see:

- [Exporting Data from SAP Analytics Cloud to SAP S/4HANA](#), section **Exporting Plan Data**, step 7.
- [Importing Transaction Data](#), section **Importing Plan Data**, step 10.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4RC (Integrated Financial Planning)
Application Component	CO-FIO-SAC-PL (SAP Analytics Content)
Available As Of	SAP S/4HANA 2020

Related Information

[Financial Planning in SAP Analytics Cloud](#)

3.5.3 Universal Allocation

3.5.3.1 Universal Allocation

The universal allocation apps have new and changed features. For more information, see **Additional Details**.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J54 (Overhead Cost Accounting), J55 (Margin Analysis), 2QL (Universal Allocation)
Application Component	CO-FIO
Valid as Of	SAP S/4HANA 2021

Additional Details

The new and changed features are as follows:

- **Flexible ledgers**
You can now choose to post to a ledger different than the one defined in the allocation cycle. For more information, see **Related Information**.
- **Intercompany Allocation** (new allocation type)
Allows you to allocate costs from one company code to cost centers and WBS elements belonging to other company codes. This feature may require configuration. For more information, see **Related Information**.
- **Allocation structures**
When you use the *Overhead Allocation* or *Intercompany Allocation* allocation types in combination with the *Posted Amounts* sender rule, you can use allocation structures to simplify the processing of allocation cycles. This feature requires Customizing. For more information, see **Related Information**.
- **Iterative processing**
You can now choose to process an allocation cycle iteratively. For more information, see **Related Information**.
- **Functional currency**
You can now see the *Functional Currency* field in the run result report.
- **Job scheduling**
You can now schedule allocation runs using job scheduling apps. For more information, see **Related Information**.
- **Reversals**
You can now reverse allocation runs in the *Run Allocations* app by using the *Reversal Run* button. You can then see the results of the reversal in the *Allocation Results* app and navigate to the run report. As part of this change, the field *Run Type* was added to identify the type of allocation run as live, test, or reversal.
- **Calculate records**
When using the *Top-Down Distribution* allocation type, you can use the *Calculate Records* button to calculate the theoretical data volume that will be created when you run the allocation cycle.
- **Manage Cycle Run Groups** (new app)
Allows you to organize allocation cycles into groups to enable parallel processing.
- **Manage Allocations**
This app has the following new features and functions:

- Derivation rules included in .xlsx file template
Used to re-write the default setting for derivation rules in an allocation cycle. For example, if [Derive Functional Area](#) is enabled by default for a given cost center, and you are fine with that, then you don't need make an entry in this sheet. If you want to turn the function off, then you make an entry in this sheet. The opposite is also true. If Derive Functional Area is disabled and you want to enable it, then you make an entry in this sheet.
- [Overhead Allocation](#) and [Distribution](#) enabled for [Margin Analysis](#).
- [Upload Cycles](#) template enhanced to include overhead allocation and distribution in margin analysis.
- A notes function has been added that allows you to add free text notes to allocation cycles and allocation segments.
- **Run Allocations**
This app has the following new features and functions:
 - Reference data checkbox in a top-down distribution allocation run
The [Reference Data in Result](#) checkbox has been added to the run dialog for top-down distribution allocation runs. By default this checkbox is not selected. This means that reference data is not stored during the run and is therefore not available for analysis in the run result report. This improves performance which can be negatively impacted by storing excessive data. To enable the storage of the reference data, select the checkbox.
 - You can now run [Overhead Allocation](#) and [Distribution](#) cycles in [Margin Analysis](#).
- **Allocation Results**
This app has the following new features and functions:
 - The [Re-Run](#) and [Reverse Run](#) buttons are now available in the run result report.
 - The new [Technical Statistics](#) tab allows you to see technical data about the execution of the allocation run.
 - The network graph view has been enhanced for the [Overhead Allocation](#) and [Distribution](#) allocation types in [Margin Analysis](#). When you display the allocation results using the network graph view for an allocation in margin analysis, you must use the [Group By](#) function to indicate the grouping characteristics for senders and receivers or the display will be empty.
 - You can now see the corresponding receivers and senders in the [Senders](#) and [Receivers](#) tabs of the allocation result report.

Related Information

[Key Concepts in Universal Allocation](#)

[Intercompany Allocation](#)

[Flexible Ledger Cycle](#)

[Iterative Processing Cycle](#)

[Allocation Structures](#)

[Manage Allocations](#)

[Uploading Cycles and Segments](#)

[Run Allocations](#)

[Scheduling Allocation Runs](#)

[Allocation Results](#)

[Allocation Flow](#)

[Manage Cycle Run Groups](#)

3.5.4 Cost Center Accounting (CO-OM-CCA)

3.5.4.1 Manage Cost Element Groups

Allows you to create, edit, and display cost element groups.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J54(Overhead Cost Accounting)
Application Component	CO-FIO-CCA-MD
Valid as Of	SAP S/4HANA 2021

Related Information

[Manage Cost Element Groups](#)

3.5.5 Product Cost Controlling (CO-PC)

3.5.5.1 Display Material Value Chain - Actual Costs

The *Display Material Value Chain* app has a new name. It is now called *Display Material Value Chain - Actual Costs*. It includes the following new features:

- Choose to display the profit centers from the master data or as posted in the transaction
- View cost component splits on material and activity nodes, as well as node edge lines

Technical Details

Type	Changed
------	---------

Functional Localization	Not applicable
Scope Item	1ZT (Managing Material Price Changes and Inventory Values), BEG (Standard Cost Calculation)
Application Component	CO-FIO-PCP
Valid as Of	SAP S/4HANA 2021

Related Information

[Display Material Value Chain - Actual Costs](#)

3.5.5.2 Display Material Value Chain - Estimated Costs

With the [Display Material Value Chain - Estimated Costs](#) app, you display the progression of planned quantities and planned values for a material along a value chain using estimated costs from a specified validity date.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1ZT (Managing Material Price Changes and Inventory Values), BEG (Standard Cost Calculation)
Application Component	CO-FIO-ACT
Valid as Of	SAP S/4HANA 2021

Related Information

[Display Material Value Chain - Estimated Costs](#)

3.5.5.3 Upload Material Inventory Prices

Use the [Transfer to Other Ledgers](#) button to transfer material inventory prices to other ledgers after upload.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1ZT (Managing Material Price Changes and Inventory Values)
Application Component	CO-FIO-ML
Valid as Of	SAP S/4HANA 2021

Related Information

[Upload Material Inventory Prices](#)

3.5.5.4 Schedule Division Accounting Jobs

Allows you to schedule divisional accounting jobs.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close)
Application Component	CO-FIO-PCA-TR
Valid as Of	SAP S/4HANA 2021

Related Information

[Schedule Division Accounting Jobs](#)

3.5.6 Profitability Analysis (CO-PA)

3.5.6.1 New App "Manage COGS Splits"

During several processes, for example, when the goods issue of a product is posted, the total cost of that product is posted to the COGS account (called *source account* in the configuration settings). A journal entry is created: the original journal entry. Depending on how the cost of goods sold splitting is configured, the total cost is split between the cost components, and the different costs are posted to one or more target accounts. The postings are reflected in the COGS split journal entries.

As a sales accountant, you use this app to analyze the cost of goods sold (COGS). The app helps you to understand the COGS split postings that were made.

For a detailed process description, see [Splitting the Cost of Goods Sold](#). For more information about the app, see [Manage COGS Splits](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J55 (Margin Analysis)
Application Component	CO-PA (Profitability Analysis)
Available As Of	SAP S/4HANA 2021

Additional Details

The following screenshots (English only) show the overview and details screens of the app:

Overview Screen of the App

Journal Entry	SGL Account	Product	Amount in Company Code	Type of Posting
400000404	000002	S400000 (In Chg COGS w/CE)	85.00	EUR Original Journal Entry
400000405	000001	S400000 (In Chg COGS w/CE)	-85.00	EUR COGS Split Journal Entry
400000406	000002	S400000 (In Chg COGS w/CE)	85.00	EUR COGS Split Journal Entry
400000406	000002	S400000 (In Chg COGS w/CE)	130.00	EUR Original Journal Entry
400000407	000001	S400000 (In Chg COGS w/CE)	-130.00	EUR COGS Split Journal Entry
400000407	000002	S400000 (In Chg COGS w/CE)	130.00	EUR COGS Split Journal Entry
400000408	000002	S400000 (In Chg COGS w/CE)	85.00	EUR Original Journal Entry
400000410	000001	S400000 (In Chg COGS w/CE)	-85.00	EUR COGS Split Journal Entry
400000410	000002	S400000 (In Chg COGS w/CE)	85.00	EUR COGS Split Journal Entry
400000412	000002	S400000 (In Chg COGS w/CE)	130.00	EUR Original Journal Entry
400000412	000001	S400000 (In Chg COGS w/CE)	-130.00	EUR COGS Split Journal Entry

Details Screen of the App

Original Journal Entry	COGS Split Journal Entry	Cost Splitting Profile
400000404	000002	000002
400000405	000001	000001
400000406	000002	000002
400000407	000001	000001
400000407	000002	000002
400000408	000002	000002
400000410	000001	000001
400000410	000002	000002
400000411	000002	000002
400000412	000001	000001
400000412	000002	000002
400000414	000002	000002
400000415	000001	000001

Effects on Customizing

To be able to use the app in a meaningful way, you need to make settings in Customizing under [Financial Accounting](#) [General Ledger Accounting](#) [Periodic Processing](#) [Integration](#) [Materials Management](#) [Define Accounts for Splitting the Cost of Goods Sold](#). For more information, see the documentation of this Customizing activity.

Related Information

[Splitting the Cost of Goods Sold](#)

3.5.6.2 New Strategy Type for COGS Splitting

In the Customizing activity [Define Accounts for Splitting the Cost of Goods Sold](#), you can now select the following strategy type: [Cost Component Split from Actual Costing \(ML\)](#).

If you use actual costing, choose this strategy type as the first type in the strategy sequence. In this way, the system reads the cost component split performed during the actual costing runs.

If you select the option [Split Revalued Consumption with Actual Cost Component Split](#), the cost of goods sold is split based on the actual cost component split instead of the cost component split for the standard cost estimate. This isn't the case for original postings, such as goods issue postings, but only for revalued consumption based on the current actual cost estimate.

Technical Details

Type

Changed

Functional Localization	Not applicable
Scope Item	J55 (Margin Analysis)
Application Component	CO-PA (Profitability Analysis)
Available As Of	SAP S/4HANA 2021

Additional Details

The following image shows where you can select the new strategy type (English only):

The screenshot displays the SAP S/4HANA configuration interface for 'Splitting of Cost of Goods Sold'. The left sidebar shows a tree structure with 'Strategy Sequence' selected. The main area shows fields for 'Cost Splitting Profile' (COGS_SPLIT), 'Source Account', 'Valuation View', 'CO Area', 'Chart of Accounts', 'Strategy' (checked), and 'Sequence Number' (checked). A 'Details' section at the bottom shows 'Strategy Type' with a dropdown menu open, listing options: 'Released Cost Estimates', 'Upcoming Released Cost Estimates', 'Current Standard Cost Estimate', 'Future Standard Cost Estimate', and 'Cost Component Split from Actual Costing (ML)' (highlighted in yellow).

Effects on Customizing

You can find this option in Customizing for *Financial Accounting* under ► *General Ledger Accounting* ► *Periodic Processing* ► *Integration* ► *Materials Management* ► *Define Accounts for Splitting the Cost of Goods Sold* ►. For more information, see the documentation of this Customizing activity.

Related Information

[Splitting the Cost of Goods Sold](#)
[Manage COGS Splits](#)
[Actual Costing](#)

3.5.6.3 Product Profitability Depreciated

The Product Profitability app has been deprecated. It will be deleted with the SAP S/4HANA 2102 release. Please use the successor app [Product Profitability with Production Variances](#).

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	J55 (Margin Analysis)
Application Component	CO-PA (Profitability Analysis)
Valid as Of	SAP S/4HANA 2202

3.5.6.4 Term Replacement

In SAP S/4HANA, the recommended method for profitability analysis is margin analysis. To align the user interface and the documentation and thus achieve maximum consistency, the term "account-based profitability analysis" has been replaced with the term "margin analysis" in the following places in this release:

- The product assistance on the SAP Help Portal ([Profitability Analysis \(CO-PA\)](#))
- System objects such as IMG activity texts, UI texts in transactions, the [Easy Access](#) menu, and messages

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J55 (Margin Analysis)
Application Component	CO-PA (Profitability Analysis)
Available As Of	SAP S/4HANA 2021

Additional Details

"Account-based profitability analysis" was the term used in SAP ERP. In SAP S/4HANA, the analysis functions were greatly enhanced. To reflect this functional difference, the term "margin analysis" was introduced, which is already used in SAP S/4HANA Cloud.

i Note

On user interfaces in SAP S/4HANA and in the documentation, you may still find references to *account-based profitability analysis*. This may be the case in places where the term doesn't refer to the solution but is used instead to stress the nature of the solution as being account-based. Margin analysis is an account-based profitability analysis solution, since all values and characteristics are posted to accounts in the ACDOCA table.

Related Information

[Margin Analysis](#)

[Profitability Analysis \(CO-PA\)](#)

[Costing-Based Profitability Analysis](#)

[SAP Note 2340278](#) 

3.5.7 Predictive Accounting

3.5.7.1 Predictive Accounting: Obsolete Reason in Line Item Apps

The *Obsolete Reason* field can now be added to the screens of the following Fiori apps:

- [Display Line Items in General Ledger](#)
- [Display Line Items - Margin Analysis](#)

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	2FD (Accounting for Incoming Sales Orders) 4Q0 (Predictive Accounting for Travel and Expense Management)
Application Component	FI-PRA-PRA (<i>Process Simulation and Document Preparation</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The obsolete reason shows if a line item in a predictive journal entry is still being used as a prediction for follow-on documents, or if the prediction is obsolete and no longer relevant in the accounting process. The value displayed for this field indicates the following:

- When a predictive journal entry is initially created as the prediction for a follow-on document, the obsolete reason for the predictive journal entry line items is blank. The follow-on document will be created in the system at a future date, so the prediction is relevant for the accounting process.
- When the follow-on document is created in the system, and the corresponding journal entry for it is created in the underlying ledger, the original prediction is no longer needed. Predictive accounting creates a predictive journal entry to reduce the impact of the line items in the original predictive journal entry. The obsolete reason for the line items in the newly created predictive journal entry is "3" (Reduction posting).
- If the predictive accounting process is interrupted, for example, when a source document that triggered initial predictive journal entries is canceled, the system changes the obsolete reason for the line items in the corresponding predictive journal entries to "1" (Outdated prediction). The system also creates predictive journal entries to remove the impact of the original predictions. The obsolete reason for the line items in the additional predictive journal entries is "2" (Cancellation of outdated prediction).

You can see the obsolete reason for predictive journal entries in the *Universal Journal Entry Line Items* (ACDOCA) table in the back end (OBS_REASON field). In previous releases, this field could already be used in the Fiori app, *Incoming Sales Order - Predictive Accounting*. With this release, you can also use this field in these Fiori apps for analyzing line items in the prediction ledger:

- [Display Line Items in General Ledger](#)
- [Display Line Items - Margin Analysis](#)

You can add the field to the selection filters or the overview table in these apps. In the *Display Line Items - Margin Analysis* app, for example, the *Obsolete Reason* added as a column to the overview table could look like this: (Note: The following screenshot is English only, and interfaces may differ slightly depending on the version of your apps.)

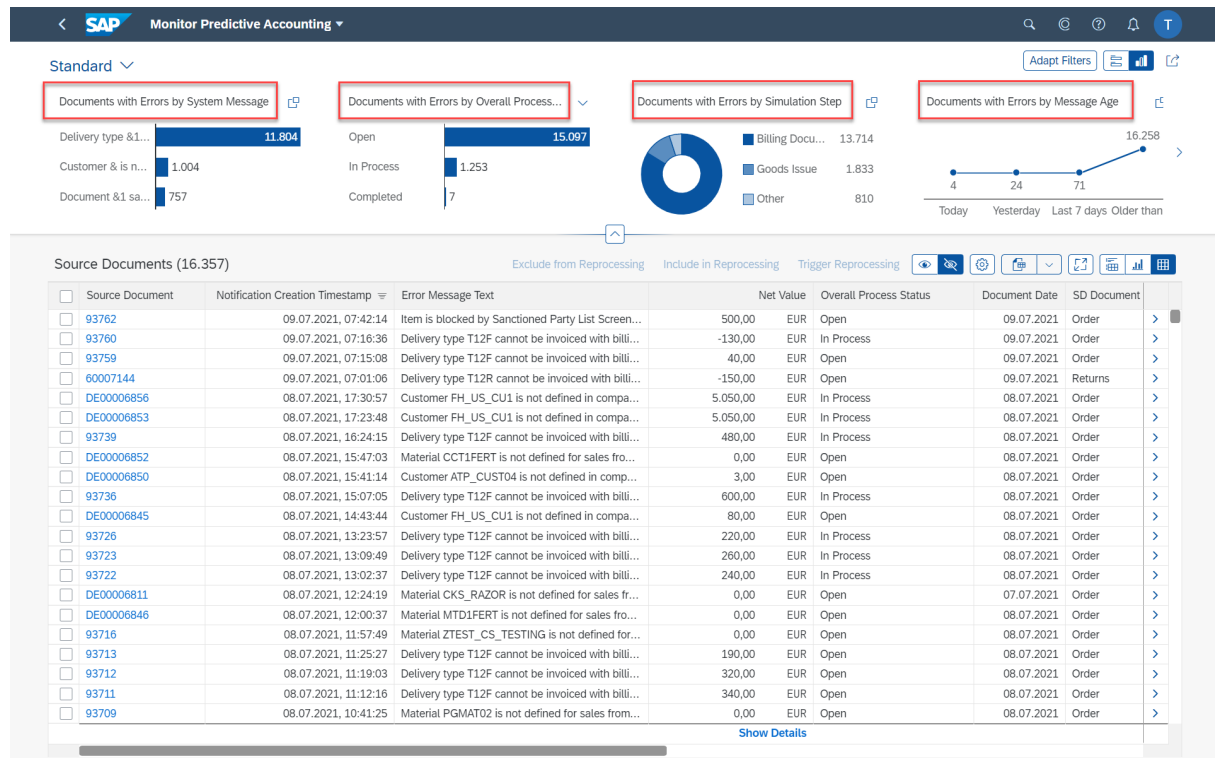
Scope Item	2FD (Accounting for Incoming Sales Orders)
Application Component	FI-PRA-PRA (<i>Process Simulation and Document Preparation</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The following titles were changed in the visual filters:

Old Title	New Title
<i>Orders with Errors by System Message</i>	<i>Documents with Errors by System Message</i>
<i>Orders with Errors by Overall Process Status</i>	<i>Documents with Errors by Overall Process Status</i>
<i>Orders with Errors by Simulation Step</i>	<i>Documents with Errors by Simulation Step</i>
<i>Orders with Errors by Message Age</i>	<i>Documents with Errors by Message Age</i>

The changed titles for the visual filters look like this in the app: (Note: The following screenshot is English only, and interfaces may differ slightly depending on the version of your apps.)



Related Information

[Monitor Predictive Accounting - Predictive Quality](#)

3.5.7.3 Predictive Accounting in Sales Processes: Sales Order Item Category CTAD

When you use predictive accounting in sales processes, the sales order item categories that are selected in your configuration scope determine which sales order items are relevant for predictions. With this release, an additional sales order item category is supported by predictive accounting: CTAD for service items with billing plan.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	2FD (Accounting for Incoming Sales Orders)
Application Component	FI-PRA-PRA (Process Simulation and Document Preparation)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

You can add this new sales order item category to your scope by selecting it in the [Activate Predictive Accounting for Sales Order Item Categories](#) activity in the [SAP Reference IMG](#) (**SPRO**) under ► [Financial Accounting](#) ► [Predictive Accounting](#) ►.

Related Information

[Setting Up Predictive Accounting in Sales Processes](#)

3.5.7.4 Predictive Accounting in Sales Processes: Changes to Sales Order Items with a Billing Plan

With this release, predictive accounting allows you to change sales order items with a billing plan **after** the reduction of predictions for partial deliveries or billing documents. Predictive accounting correctly reduces only the open predictive journal entries for the changed sales order item and creates new predictions based on the changed information in the sales order item.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	2FD (Accounting for Incoming Sales Orders)
Application Component	FI-PRA-PRA (Process Simulation and Document Preparation)
Available As Of	SAP S/4HANA 2021

Additional Details

In previous releases, after a change to a sales order item, predictive accounting reduced all predictive journal entries, including the already reduced predictive journal entries. With this release, only the open predictive journal entries (for which no reduction has already taken place) are reduced for sales order items with a billing plan.

The following are examples of possible supported changes to sales order items with a billing plan:

- You can enter a reason for rejection for a sales order item with reduced predictive journal entries.
- You can make a price change in the conditions of the billing plan for an item with reduced predictive journal entries.

In these use cases, only the still open predictive journal entries are reduced.

Related Information

[Predictive Accounting in Sales Processes](#)

3.5.7.5 Predictive Accounting in Sales Processes: Source Doc. Subitem in Reduced Predictive Journal Entries

With this release, for sales orders with a billing plan, the *Source Doc. Subitem* (SRC_AWSUBIT) field is filled in a predictive journal entry line item when the invoice is created and the predictive journal entry is reduced. This allows you to map predictive journal entry line items direct to the billing plan index of the invoice document.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	2FD (Accounting for Incoming Sales Orders)
Application Component	FI-PRA-PRA (<i>Process Simulation and Document Preparation</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

You can see the source document subitem for reduced predictive journal entries in the *Universal Journal Entry Line Items* (ACDOCA) table in the back end.

Related Information

[Predictive Accounting in Sales Processes](#)

3.5.7.6 Predictive Accounting in Sales Processes: Final Reduction

A technical job triggers the *Post Final Reduction for Completed Source Docs in Predictive Acctg* (FINS_PRED_FIN_REDUCTION) report for completed source documents to ensure that, after actual journal entries are created, all amounts in the prediction ledger for the completed source documents have been reduced. Since the number of source documents processed can be quite large, the way the report runs has been changed to reduce resource consumption and improve performance.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	2FD (Accounting for Incoming Sales Orders)
Application Component	FI-PRA-PRA (Process Simulation and Document Preparation)
Available As Of	SAP S/4HANA 2021

Additional Details

At regularly scheduled intervals, the report checks for all sales orders that have the status "completed". Instead of reading all sales orders at one time and then processing them, the report now checks and processes the relevant sales orders in small batches, 10 documents at a time.

Related Information

[Technical Jobs for Reprocessing and Final Reduction](#)

3.5.7.7 Predictive Accounting in Travel and Expense Management: Intercompany Process

The integration between SAP Concur and predictive accounting in SAP S/4HANA allows you to use information from travel requests and expense reports to make predictions about the impact of these expenses on your budget planning and cost analysis. With this release, predictive accounting supports the following aspect of the intercompany process: Travel requests that are created by users who do not have an employee number in the SAP Concur system and that contain items allocated to objects in different company codes can be processed. When the travel request information is transferred from SAP Concur to SAP S/4HANA, SAP Concur must send either the employee number or, if an employee number isn't available, the relevant cost center. Predictive accounting can then create the respective predictive journal entries for the travel request items.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4Q0 (Predictive Accounting for Travel and Expense Management)
Application Component	FI-PRA-PRA (Process Simulation and Document Preparation)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

Predictive accounting can only process travel requests with intercompany items if the travel requests are newly created after the upgrade.

Related Information

[Predictive Accounting in Travel and Expense Management](#)

3.5.8 Deprecation of Plan Distribution and Allocation Apps

The following apps are deprecated and will be deleted from the SAP Fiori launchpad in an upcoming release. The deprecated apps may no longer be available by default on the SAP Fiori launchpad. In this case, you can find them in the app finder until they are deleted. We recommend that you switch to the successor apps as soon as possible. The functions of these deprecated apps are replaced by the apps in **Universal Allocation**.

- Manage Plan Overhead Allocation Cycles
- Run Plan Overhead Allocation
- Manage Plan Distribution Cycles
- Run Plan Distribution

Technical Details

Type	Deprecated
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Functional Localization	Not applicable
Scope Item	J54 (Overhead Cost Accounting), J55 (Margin Analysis), 2QL (Universal Allocation)
Application Component	CO-OM-CCA
Valid as Of	SAP S/4HANA 2021

Related Information

[Universal Allocation](#)

3.6 Accounting and Financial Close

3.6.1 General Ledger Accounting

3.6.1.1 Split of Application Component FI-FIO-GL

To accelerate the incident response and optimize the incident handling process, the FI-FIO-GL application component is split to subcomponents that match the corresponding teams. You can choose these subcomponents when you submit incidents for support, so that you can expect a quick response from the teams responsible. They're able to start picking up your incidents based on the subcomponents you choose.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close)
Available As Of	SAP S/4HANA 2021

Additional Details

The FI-FIO-GL application component is split into the following subcomponents:

- FI-FIO-GL-IS for Reporting Apps
- FI-FIO-GL-TRA for Transaction Apps
- FI-FIO-GL-MD for Master Data Apps
- FI-FIO-GL-CA for Cross Application Configuration in General Ledger
- FI-FIO-GL-HIE for Hierarchy Applications in General Ledger
- FI-FIO-GL-PER for Periodic Activities Applications in General Ledger
- FI-GL-GL-POA for Purchase Order Accruals
- XX-PART-TIF for Tax Interface (USA)

To find out the subcomponent of an app, you can refer to the SAP Fiori apps reference library. It's acceptable to still use the FI-FIO-GL component, but we recommend you use the new subcomponents because it can speed up the handling process of your incident.

3.6.1.2 Option to Delete Journal Entry Templates

You can now delete journal entry templates that are created by you or other users in the [Manage Journal Entry Templates](#) app. You can delete a single template or mass delete templates.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close)
Application Component	FI-FIO-GL-TRA (Transaction Apps)
Available As Of	SAP S/4HANA 2021

Additional Details

The journal entry templates that SAP per-delivered can't be deleted.

Related Information

[Manage Journal Entry Templates](#)

3.6.1.3 Changes in Automatic Account Determination

You can use the [Automatic Account Determination](#) app to configure G/L account assignments. New transaction keys and areas have been added. To open this app, you can search for the app name in the App Finder.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close)
Application Component	FI-FIO-GL-CA (Cross Application Configuration in General Ledger)
Available As Of	SAP S/4HANA 2021

Additional Details

See new areas, processes, transaction keys, and applications in the following table:

Item	Type	Description
<ul style="list-style-type: none">• BUL: Ledger-Specific CoCode Clearing• BUU: CoCode Clearing Between Differing Amts	New transaction key	For the Prepare Intercompany Transactions process in Financial Accounting - General Ledger Accounting , the transaction keys are new ones to choose.
Asterisk wildcard	New feature	In the Integrate with HR Postings process for General Ledger Accounting, the asterisk (*) wildcard is supported when you enter a customer or supplier account number, for example, *12345.

Related Information

[Automatic Account Determination](#)

3.6.1.4 Changes in Verification Workflow

To ensure that you're compliant and that your general journal entries or currency adjustments are error-free, you can activate a verification workflow in your posting process. See the following new features for the workflow improvement that can meet more of your business requirements:

- Withdraw of journal entries and currency adjustments
- Authorization check before forwarding journal entries for verification
- Auto reversal of journal entries

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close)
Application Component	FI-FIO-GL-TRA (Transaction Apps)
Available As Of	SAP S/4HANA 2021

Additional Details

Withdraw Journal Entries and Currency Adjustments

After you submit a journal entry or currency adjustment for verification, you want to edit it for a resubmission for some reasons, for example, modifying an amount. It's now possible to withdraw a request before the processor approves or rejects it. You can choose [Withdraw](#) to take back your request in the [Verify General Journal Entries - For Requester](#) app and the [Verify Currency Adjustments - For Requester](#) app.

Not all the requests can be withdrawn. Normally you can withdraw a request when it meets the following conditions:

- The journal entry or currency adjustment that you want to withdraw is submitted by yourself.
- The journal entry or currency adjustment that you want to withdraw has the submitted or approved status. The approved status could happen when a request is approved but then getting blocked when moving to the posted status because of some technical issues.

i Note

After a request is withdrawn, all the previous workflow history of this journal entry or currency adjustment is automatically deleted in the system. A new workflow starts if you resubmit the request.

Authorization Check Before Forwarding

You can forward a journal entry or a currency adjustment for which you're the processor, when you use the [Verify Journal Entries in General Ledger - For Processor \(Inbox\)](#) app. An authorization check is done by the

system immediately you forward a task to others. Only a user who is authorized can receive your forwarded task and verify the journal entry or currency adjustment.

The system checks whether the new processor is authorized to verify a journal entry or a currency adjustment based on the company codes and document types that are assigned. If the new processor isn't authorized, contact your administrator to manage the user role in the [Maintain Business Roles](#) app.

When you release a task, you're no longer assigned as a processor of this task and it becomes visible in the [Verify Journal Entries in General Ledger - For Processor \(Inbox\)](#) app for the new processor.

Auto Reversal of Journal Entries

It happens sometimes when you post a general journal entry that you want to reverse later, for example, at the end of the month. Rather than manually reverse the journal entry, you can use the auto reversal feature in posting related apps. Now, you can even upload or post journal entries with auto reversal in the verification workflow.

To post a general journal entry with auto reversal in the [Verify General Journal Entries - For Requester](#) app, you've the following options:

- Download a template and upload journal entries.

i Note

You must manually add the auto reversal fields in the template before upload. The technical names for the fields are `STGRD` for Reversal Reason and `STODT` for Planned Reversal Date.

- Create a general journal entry and post it for verification.

i Note

You must choose the default `STANDARD_5` template from the list before filling the fields of the entry.

You can use the auto reversal feature in the following apps:

- [Upload General Journal Entries](#)
- [Post General Journal Entries](#)
- [Manage Journal Entries](#)
- [Schedule General Ledger Jobs](#)
- [Verify General Journal Entries - For Requester](#)

Related Information

[Verify General Journal Entries - For Requester](#)

[Verify Currency Adjustments - For Requester](#)

[Verify General Journal Entries - For Processor \(Inbox\) and \(Outbox\)](#)

3.6.1.5 Purchase Order Deferrals

As part of Accruals Management, Purchase Order Deferrals are provided by SAP S/4HANA Cloud with the automatic deferrals calculation and postings. The deferrals and accruals for purchase orders are seamlessly integrated. You can view the deferral amounts in the following apps :

- [Display Purchase Order Accruals](#)
- [Analyze Accruals Postings](#)
- [Display Accrual Object Items](#)
- [Display Accruals Periodic Amounts](#)
- [Manage Journal Entries](#)

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	2VB (Purchase Order Accruals)
Application Component	FI-GL-GL-POA (Purchase Order Accruals)
Available As Of	SAP S/4HANA 2021

Additional Details

In [Purchase Order Deferrals](#), you can choose the following methods for deferrals calculation:

- DCSTPP - Deferred costs with linear distribution per period based on the performance period
- DCSTPC - Deferred costs based on planned costs
- DCSTLT - Deferred costs with linear distribution per period based on accrual lifetime
- DCSTPP_D1 - Deferred costs with linearization per day based on the performance period
- DCSTLT_D1 - Deferred costs with linearization per day based on the accrual lifetime
- PLN-REC - Used specifically for calculating accruals after deferrals are calculated.

Effects on Existing Data

Before you use Purchase Order Deferrals, you must create a transfer variant and assign respective company code to the variant. Alternatively, SAP provides the [0002](#) variant that is specifically for use of calculating deferrals along with accruals, and you need to assign respective company codes to the variant. See the following table for the standard accrual items types that SAP provides for the pure accrual case and the interplay of accruals and deferrals:

Accruals/Deferrals	Accrual Item Type to Use
Accruals only	PLNCST
	ACTCST
	ACCRL
Accruals along with Deferrals	PLNCST
	ACTCST
	ACCRL_D
	DFRCST

Effects on Configuration

To use Purchase Order Deferrals, you need to configure in the following configuration steps based on your business needs:

- [Define Accrual Item Types for Purchase Order Deferrals](#)
- [Assign Posting Schemas for Purchase Order Deferrals](#)
- [Create and Edit Account Determination](#)
- [Transfer Purchase Orders to Accrual Objects](#)

Related Information

[Purchase Order Deferrals](#)

[Deferrals Calculation](#)

[Customizing Purchase Order Deferrals](#)

3.6.1.6 Amount in Global Currency and Freely Defined Currency

In addition to the amount in transaction currency and company code currency, you can view the amount in global currency and freely defined currency in the apps for journal entry verification. The currencies are displayed on the line item level of a general journal entry. You can also set a condition with these fields when you configure a workflow for journal entry verification.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close)
Application Component	FI-FIO-GL-TRA (Transaction Apps)
Available As Of	SAP S/4HANA 2021

Additional Details

The amount in global currency and amount in freely defined currency are displayed in the following apps:

- [Verify General Journal Entries - For Requester](#)
- [Verify Journal Entries in General Ledger - For Processor \(Inbox\)](#)
- [Verify Journal Entries in General Ledger - For Processor \(Outbox\)](#)

In the Start Condition and the Step Condition sections of the [Manage Workflows for Journal Entry Verification - In General Ledger](#) app, you can choose the following fields to trigger a workflow or a verify step for journal entry verification:

- Threshold Amount in Global Currency
- Threshold Amount in Freely Defined Currency 1

Related Information

[Defining Your Own Workflows for Journal Entry Verification](#)

3.6.1.7 Recalculation of Local Currency Amounts for Automatic Reversals

When a journal entry is automatically reversed, the reversal amount in transaction is exactly the same as the amount posted with the journal entry that is to be reversed. Now you can choose to recalculate the reversal amount in local currencies with a new exchange rate based on your business requirements. When you schedule an automatic reversal using the [Post General Journal Entries with Auto-Reverse](#) job template in the [Schedule General Ledger Jobs](#) app, you can select the [Recalculate Local Crcy Amounts](#) check box. As a result, the posted amount for reversal is calculated based on the exchange rate on the planned reversal date, rather than on the posting date of the journal entry that is to be reversed. This feature applies to all the nontransaction currencies, for example, the company code currency and the group currency.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close)
Application Component	FI-FIO-GL-TRA (Transaction Apps)
Available As Of	SAP S/4HANA 2021

Additional Details

When you create a similar journal entry in the [Manage Journal Entries](#) app, the [Recalculate Local CrCY Amounts](#) option is available too. Note that the reversal journal entry with recalculation in local currencies can't be used for intercompany transactions. This applies to the entire auto-reverse function.

Related Information

[Posting Journal Entries with Auto-Reverse](#)
[Post General Journal Entries with Auto-Reverse](#)

3.6.1.8 Changes in Manage Journal Entries

The [Manage Journal Entries](#) app enables you to analyze your journal entries and create reversals to make any necessary adjustments. With this release, this app provides you with the following new features:

- Add country specific fields in the adapter filters.
- Display the functional currency on company code level.
- Display more fields on the header and line item levels, for example, Tax Fulfill. Date and Payment Reason.

Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	J58 (Accounting and Financial Close)
Application Component	FI-FIO-GL-TRA (Transaction Apps)
Available As Of	SAP S/4HANA 2021

Related Information

[Manage Journal Entries](#)

3.6.1.9 Changes in Purchase Order Accruals

The [Purchase Order Accruals](#) application enables you to calculate and post accruals in General Ledger Accounting automatically. You can choose to have accrual amounts reviewed and approved before posting them. You can also have a comprehensive overview and a detail view of purchase order accruals, which includes the posted accrual amounts, review history, lifecycle status, and so on. Now, you're able to use the following features as of this release:

- Posting history of accruals subobjects
- Email notification for reviewing purchase order accruals

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	2VB (Purchase Order Accruals)
Application Component	FI-GL-GL-POA (Purchase Order Accruals)
Available As Of	SAP S/4HANA 2021

Additional Details

Posting History of Accruals Subobjects

The Postings tab is available on the details page of an accrual subobject item. You can view all kinds of posting data such as the corresponding accrual item type, purchase order number, ledger group, and accrual object. You can even group the postings by accrual item type, company code, posting date, and so on. The grouping feature is in [Settings](#) on the Postings tab.

Email Notification for Reviewing Purchase Order Accruals

Email notification serves as a reminder for reviewers to verify purchase order accruals. The following email templates are available for different reviewer roles:

- For Cost Controller, use the `POAC_RVW_BY_COST_CTR` email template.
- For Profit Controller, use the `POAC_RVW_BY_PROFIT_CTR` email template.
- For WBS Element Owner, use the `POAC_RVW_BY_WBS_ELEMENT` email template.

To set up the email notification, you need to configure in the system:

1. Run transaction code `SE80`, and find the `FI_GL_RVW_APPRV_ACCRUALS` package.
2. Expand the *Email Templates* folder, and select one of the templates.
3. Copy the template to your custom name space and save it to your own package.

Note

The custom template must follow the naming pattern: `YY1_<standard email template name>`, for example, `YY1_POAC_RVW_BY_COST_CTR`

4. Optional: Adjust the text of the email template in your package, and save your changes.

Related Information

[Review Purchase Order Accruals - For Cost Accountant](#)

3.6.1.10 Changes in Manage Global Hierarchies

The *Manage Global Hierarchies* app can be used to maintain various hierarchies for your reporting needs. New features are available as of this release.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close), O58 (Accounting and Financial Close)
Application Component	FI-FIO-GL-HIE (<i>Hierarchy Applications for General Ledger</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The app provides the following new features:

- [Activity Type](#) and [Statistical Key Figure](#) are supported as new hierarchy types. Users with the relevant authorizations as provided in the [Overhead Cost Accountant](#) (SAP_BR_OVERHEAD_ACCOUNTANT) business role template can create and maintain such hierarchies.
- The profit center, cost center, and company code hierarchies maintained using [Manage Flexible Hierarchies](#) are available for selection when importing nodes in [Manage Global Hierarchies](#).
- Copying a hierarchy timeframe to create a new timeframe under a different hierarchy ID is now possible.
- When importing nodes for profit center, cost center, or activity type hierarchies, you can select [Auto Update from Source](#) to have the nodes automatically updated when the source nodes (referenced nodes) are changed.
- When exporting a hierarchy to a spreadsheet for editing, node descriptions of all maintained languages are included. You can then edit the texts in the spreadsheet and import back.
- When importing a spreadsheet that exceeds 250 KB, a background job is started. Now, you can check the job status in the [Notifications](#) (🔔 icon) area of your Fiori launchpad.
- Bank account grouping is allowed on hierarchy nodes in financial statement version (FSV) hierarchies.
- Change log is enhanced, for example, filter bar is available and hierarchy changes are grouped by change document.

Related Information

[Manage Global Hierarchies](#)

[Define Financial Statement Versions in Global Hierarchies](#)

[Bank Account Grouping](#)

3.6.1.11 Extended Gap Reasons in Audit Journal

In [Audit Journal](#), gaps in journal entry numbering are explained with more detailed gap reasons.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close), O58 (Accounting and Financial Close), 200 (External Tax Audit)

Application Component	FI-FIO-GL-IS (<i>Reporting Apps</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

Gaps in journal entry numbering are explained with gap reasons in *Audit Journal*. The following technical reasons were categorized as *Other* in prior releases:

- A **rollback** occurred during the posting of a journal entry.
- Parallel batch processes that create **buffers**. The numbers in these buffers are still available for future postings.
- The number range objects or **intervals** were changed.

With this release, these reasons are assigned with a dedicated reason *Rollback/buffering/intervals reorganized*. All other unknown reasons are still categorized as *Other*.

Related Information

[Audit Journal](#)

3.6.1.12 Migrate Financial Statement Versions to Global Hierarchies

This new app enables you to migrate the financial statement versions (FSVs) created in *Manage Financial Statement Versions* (transaction `OB58`) to global hierarchies. Once migrated, the FSVs can only be edited in *Manage Global Hierarchies*.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close), O58 (Accounting and Financial Close)
Application Component	FI-FIO-GL-HIE (<i>Hierarchy Applications for General Ledger</i>)

Related Information

[Migrate FSVs to Global Hierarchies](#)

[Manage Financial Statement Versions \(OB58\)](#)


3.6.1.13 New Calculation Logic in Cash Flow Statement - Indirect Method

Net income in company code currency is now calculated based on all the G/L accounts assigned to the special FS item *P&L Result* in *Manage Global Hierarchies*. This is to ensure consistency among various analytical reports in general ledger. The released CDS view `C_CashFlowIndirectIFRS` is also adapted to reflect the new logic.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close), O58 (Accounting and Financial Close)
Application Component	FI-FIO-GL-IS (<i>Reporting Apps</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

If you still want to use the old logic for calculating net income, that is, to sum up balances of all G/L accounts with the account type *Non-operating Expense or Income* or *Primary Costs or Revenue*, you can use the CDS view `C_CshFlwIndrctBsdOnAcctType` to generate your own report. For more information, see SAP Note [2997396](#) .

Related Information

[Cash Flow Statement - Indirect Method](#)

3.6.1.14 Extended Open Item Management for GR/IR Accounts

When you activate extended open item management for goods receipt/invoice receipt (GR/IR) accounts you enable the posting of journal entries with more than 999 line items on these accounts. This means that you can post your invoice receipts and goods receipts as you received them from your suppliers.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close)
Application Component	FI-GL-GL-A (General Ledger Accounting - Basic Functions - Posting/Clearing)
Available As Of	SAP S/4HANA 2021

Additional Details

- The only way to activate the extended open item management for GR/IR accounts is to use the **FINS_ACTIVATE_XUJCLR** transaction or running the **SA38** transaction with program **FINS_SWITCH_XUJCLR**.
After activation, the new *Extended Open Item Management* field is visible in the details of relevant GR/IR accounts in the *Manage G/L Account Master Data* app. For more information about app changes, see [Open Item Management in the Manage G/L Account Master Data App \[page 148\]](#).
- You have to activate extended open item management for all your GR/IR accounts in a company code. If you have switched to extended open item management, you **cannot go back**.
- If you create additional GR/IR accounts after initial activation, you must also run the program for the relevant company code to which the newly created GR/IR accounts belong to activate extended open item management for them.

Effects on Existing Data

GR/IR accounts that are managed on an extended open item basis **can only be cleared** by using the **FGRIR_CLEARING** transaction or running the **SA38** transaction with the `FINS_GR_IR_MASS_CLEARING` program.

The display behavior of analytics apps in general ledger accounting changes, if you are using extended open item management for GR/IR accounts in the following ways:

- [Display Line Item Entry](#) (Fiori ID: F2218)
The app won't show any cleared or open-item-managed items for extended open item managed GR/IR accounts anymore. If you want to display such kind of open items for GR/IR accounts, you have to use the [Display Line Items in General Ledger](#) app (Fiori ID: F2217) instead.
- This also applies to the following SAP GUI transactions:
 - [FAGLL03 \(G/L Account Line Item Display G/L View\)](#) - For the entry view
 - [FAGLL03H \(G/L Account Line Item Browser \(G/L View\)\)](#) - For the entry view
 - [FBL3 \(G/L Account Line Item Display\)](#)
 - [FBL3H \(G/L Account Line Item Browser\)](#)
 - [FBL3N \(G/L Account Line Item Display\)](#)

Related Information

[Open Item Management in the Manage G/L Account Master Data App \[page 148\]](#)

[GR/IR Automatic Clearing \[page 147\]](#)

[Defining "Open Item Management"](#)

[GR/IR Automatic Clearing](#)

3.6.1.15 GR/IR Automatic Clearing

With this program, clear open items from goods receipt/invoice receipt (GR/IR) clearing accounts automatically.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close)

Additional Details

Up to now, you could clear open items from GR/IR clearing accounts using the more generic *Automatic Clearing* program.

With the new program specific to GR/IR accounts, you can run or prepare for the automatic clearing in three modes: You can either only display grouped open items for a GR/IR clearing account, you can simulate the clearing run, or you can start the clearing as a real update run.

You find the program in the SAP Easy Access Menu under ► *Accounting* ►► *Financial Accounting* ► *General Ledger* ► *Periodic Processing* ► *Automatic Clearing* ► *GR/IR Accounts with Extended Open Item Management* ► (transaction `FGRIR_CLEARING`).

Note

When you use extended open item management, you must use this program. The *Automatic Clearing* program cannot be used with extended open item management.

Related Information

[Extended Open Item Management for GR/IR Accounts \[page 146\]](#)

[GR/IR Automatic Clearing](#)

3.6.1.16 Open Item Management in the Manage G/L Account Master Data App

A new field is available in the *Manage G/L Account Master Data* app. The *Extended Open Item Management* field indicates if extended open item management is active for a goods receipt/invoice receipt (GR/IR) account.

To align all fields related to open item management, the *Clearing Specific to Ledger Groups* field has also been renamed. The new name is *Open Item Management by Ledger Group*. The back-end equivalent is the `XLGCLR` data element.

These changes are also available in the related SAP GUI transaction, *Display G/L Account Centrally* (**FS00**).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close)
Application Component	FI-FIO-GL-MD (Master Data Apps)
Valid as Of	SAP S/4HANA 2021

Additional Details

Extended open item management can only be activated in a system by running the `FINS_SWITCH_XUJCLR` program. After activation, the new [Extended Open Item Management](#) field is visible in the details of relevant G/L accounts in the relevant application. The field is display only.

For more information about activating extended open item management, see [Extended Open Item Management for GR/IR Accounts \[page 146\]](#).

Related Information

[Manage G/L Account Master Data](#)

3.6.1.17 Tax Fulfillment Date for Post Cash Journal Entries

Within the [Post Cash Journal Entries](#) app, a [Tax Fulfillment Date](#) field has been added to the [Cash Payment](#), [Cash Receipts](#), and [Check Receipts](#) tabs. When you post the cash journal entry, this new [Tax Fulfillment Date](#) field appears at the header level of the financial accounting document generated from the cash journal.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1GO (Cash Journal)

Application Component	FI-BL-PT-CJ (<i>Cash Journal</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The *Tax Fulfilment Date* field is by default hidden if the *Tax Reporting Date* field is not activated for document posting at company code level.

3.6.1.18 Accounting Enhancements for Banking

3.6.1.18.1 ECS Escalation

This feature enables you to trigger the escalation process for ECS items.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	AC_INT_ECS (<i>Error Correction and Suspense Accounting</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The following transactions are new in the SAP Easy Access menu: ► *Accounting* ► *Bank Applications* ► *Enhancements for Accounting* ► *Error Correction and Suspense Accounting* ► *ECS Escalation* ►:

- *Change ECS Escalation Rules*
- *Start ECS Escalation*

Effects on Customizing

For ECS Escalation, you can carry out the following Customizing activities under [SAP Banking](#) [Enhancements for Accounting](#) [Error Correction and Suspense Accounting](#) [General Settings](#) [General Settings for Owner Groups](#):

- [Define ECS Escalation Rules](#)
- [BAdI: ECS Ownership Escalation](#)

Related Information

[ECS Ownership Escalation](#)

3.6.1.18.2 Planned Reversal and Inverse Posting

The [Planned Reversal](#) feature enables you to plan the reversal of MCA documents during the time of posting, and to reverse it later using the [Execute Mass Reversal of MCA Documents](#) transaction.

The [Inverse Posting](#) feature enables you to recalculate the amounts during the reversal of MCA documents, in case there is a difference in exchange rates.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI_GL_CU_MCA (Multi Currency Accounting)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

To enable reversal reason codes for recalculation, carry out the following Customizing activity under [SAP Customizing Implementation Guide](#) [SAP Banking](#) [Enhancements for Accounting](#) [Multi Currency Accounting](#) [Reversal](#) [Reversal Reason Codes for Recalculation](#).

Related Information

[Execute Mass Reversal of MCA Documents](#)

3.6.1.18.3 Cross-Company Posting

This feature enables you to park or post cross-company MCA transactions.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI_GL_CU_MCA (Multi Currency Accounting)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

The target company code is specified in the field [New Company Code](#). You can make this field visible by adding it to the layout.

Related Information

[Document Entry and Parking](#)

3.6.1.18.4 Copying Balance Carry Forward from Actual Version to ADB Group Reporting Versions

This feature enables you to copy balance carry forward from the actual version to ADB group reporting versions.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI_GL_GL_ADB (<i>Average Daily Balances</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

You can start the report for *Copying Balance Carry Forward from Actual Version to ADB Group Reporting Versions* in the SAP Easy Access menu under ► *Accounting* ► *Bank Applications* ► *Enhancements for Accounting* ► *Average Daily Balances* ► *Copy Balance Carry Forward from Actuals to ADB Versions* ►.

Related Information

[ADB Group Reporting](#)

3.6.1.19 New App: GR/IR Process Insights

The app provides insights into the GR/IR account reconciliation process managed by the app: [Reconcile GR/IR Accounts](#). You can visualize the activities of the reconciliation process and thereby identify opportunities for process improvements, for example by finding bottlenecks, areas of duplicate work or root causes for delays.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	2V7 (Monitoring of Goods and Invoice Receipts)

Application Component	FI-FIO-GL-IS (<i>Fiori UI for General Ledger Accounting - Information System</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

Additionally, you can retrospectively review all activities on the level of a purchasing document item together with all relevant documents from the purchasing document history. Thereby, the app enables process owners to analyze the process efficiency of the GR/IR account reconciliation process and define areas of improvement.

Related Information

[GR/IR Process Insights](#)
[Reconcile GR/IR Accounts](#)
[Monitor GR/IR Account Reconciliation](#)

3.6.1.20 New App: Year-to-Date Balances

This new app helps you to analyze your data in a grid table and report on balances for certain dimensions of the universal journal for a specific fiscal year.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close)
Application Component	FI-FIO-GL-IS (<i>Fiori UI for General Ledger Accounting - Information System</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

As default, the balances for the leading ledger, the current fiscal year up to the previous fiscal period are calculated and displayed in company code currency. You can adapt the time selection according to your business requirements to fiscal quarters, fiscal periods and posting dates. For the chosen combination of dimensions and the selected time frame the debit amount, credit amount in the respective currency is shown.

Related Information

[Year-to-Date Balances](#)

3.6.1.21 Monitor GR/IR Account Reconciliation App: Additional Navigation

With this app you can get an overview over the status of open items on your GR/IR accounts that need clarification. Different cards represent different key performance indicators (KPIs). For the following cards, additional selection options and a new navigation possibility to the [Display G/L Account Line Items](#) app is offered:

- GR/IR Reconciliation Processing - Latest Processing Change
- Open FI Items by Posting Date

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	2V7 (Monitoring of Goods and Invoice Receipts), 2ZS (Machine Learning for Monitoring of Goods and Invoice Receipts)
Application Component	FI-FIO-GL-IS (Fiori UI for General Ledger Accounting - Information System)
Valid as Of	SAP S/4HANA 2021

Additional Details

GR/IR Reconciliation Processing - Latest Processing Change

The chart on this card can show as maximum 100 different data points. You can now choose whether you want to display the 100 oldest change dates or the 100 latest change dates from the ones that are more than 180 days in the past.

Open FI Items by Posting Date

The chart on this card can show as maximum 100 different data points. You can now choose whether you want to display the 100 oldest posting dates or the 100 latest posting dates.

You can now navigate from this card to the [Display Line Items in General Ledger](#) app where you can further analyze the open FI items:

- To navigate for the total count of open FI items, just click on the card header
- To navigate for a specific date on the time line, just click on the date representation.

This navigation is only possible if either no filters are applied in the filter bar or you only filter by company code.

For example, you want to select items by company code and are looking at a posting date for which there is a high number of open items: Navigate from here by just clicking on the appropriate date representation in the time line. This leads you to the [Display Line Items in General Ledger](#) app where the list of open FI items for this scenario is displayed and you can further analyze the items.

If you enter one specific company code, you can navigate to all of its open FI items by clicking on the card header.

Related Information

[Monitor GR/IR Account Reconciliation](#)
[Reconcile GR/IR Accounts](#)
[Display Line Items in General Ledger](#)

3.6.1.22 Manage Manual Accruals

With this app, you can display accrual objects and view the parameters assigned to them.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close)
Application Component	FI-GL-GL-AAC (Manual Accruals)

Related Information

[Manage Manual Accruals](#)

3.6.1.23 Carry Forward Balances

The [Carry Forward Balances](#) app has been deprecated and will be removed from the launchpad as of version SAP S/4HANA 2022.

Now, you can run the balance carryforward using the [Schedule General Ledger Jobs](#) app to schedule the [Balance Carryforward](#) application job. Instead, you can also, use the `FAGLGVTR` transaction and schedule a corresponding background job.

You can use the [Balance Carryforward Status](#) app to view details about the balance carryforward, such as the status, when it was run, and more.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close)
Application Component	FI-GL (General Ledger Accounting)
Valid as Of	SAP S/4HANA 2021

Additional Details

The balance carryforward involves carrying forward account balances for all currencies into the new fiscal year. After you've manually run the balance carryforward, opening balances for a fiscal year are made available.

Related Information

[Carry Forward Balances](#)

[Balance Carryforward](#)
[Balance Carryforward Status](#)
[Schedule General Ledger Jobs](#)

3.6.1.24 Balance Carryforward Status

With the [Balance Carryforward Status](#) app, you can view details about a balance carryforward, such as the status, when it was run, and more.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close)
Application Component	FI-GL (General Ledger Accounting)
Valid as Of	SAP S/4HANA 2021

Additional Details

The balance carryforward involves carrying forward account balances for all currencies into the new fiscal year. After you've manually run the balance carryforward, opening balances for a fiscal year are made available.

To run the balance carryforward, use the [Schedule General Ledger Jobs](#) app and schedule the [Balance Carryforward](#) application job. Instead, you can also use the FAGLVTR transaction and schedule a corresponding background job.

The [Carry Forward Balances](#) app has been deprecated and will be removed from the launchpad as of version SAP S/4HANA 2022.

Related Information

[Balance Carryforward Status](#)
[Schedule General Ledger Jobs](#)
[Balance Carryforward](#)

3.6.1.25 Balance Carryforward Application Job

Now, you can run the balance carryforward using the [Schedule General Ledger Jobs](#) app to schedule the [Balance Carryforward](#) application job. Instead, you can also still use the FAGLGVTB transaction and schedule a corresponding background job.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close)
Application Component	FI-GL (General Ledger Accounting)
Valid as Of	SAP S/4HANA 2021

Additional Details

The balance carryforward involves carrying forward account balances for all currencies into the new fiscal year. After you've manually run the balance carryforward, opening balances for a fiscal year are made available.

You can use the [Balance Carryforward Status](#) app to view details about the balance carryforward, such as the status, when it was run, and more.

The [Carry Forward Balances](#) app has been deprecated and will be removed from the launchpad as of version SAP S/4HANA 2022.

Related Information

[Schedule General Ledger Jobs](#)
[Balance Carryforward](#)
[Balance Carryforward Status](#)

3.6.1.26 Deferred Summarization of Production Costs

Deferred Summarization is a process that summarizes or aggregates journal entry data after it has been entered into the system. During deferred summarization, journal entry details are moved to a separate detail table (ACDOCD) from the Universal Journal (ACDOCA) and the aggregated details remain in the ACDOCA table.

If you consider using deferred summarization of production costs, you should first check whether it is useful in your particular situation.

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	J58 (Accounting and Financial Close)
Application Component	FI-GL (General Ledger Accounting)
Valid as Of	SAP S/4HANA 2021

Additional Details

This function is intended only for exceptionally large data volumes that are causing critical performance and data storage issues. You should only use deferred summarization when absolutely necessary and when you've already used other available summarization options, since it restricts the flexibility of reporting.

If you decide to use this function, keep in mind that its effects normally can't be reversed. The effects can be undesirable if the function is used incorrectly.

In the following apps, you can view the aggregated data for production costs, which remains in the Universal Journal (ACDOCA):

- Production Cost Analysis
- Analyze Costs by Work Center/Operation

Limitations

- Analytics capability, based on ACDOCD and ACDOCA, isn't enabled for deferred summarization of production costs. After you run deferred summarization of production costs, you can no longer view detailed cost information for cost objects, production orders, process orders or CO production orders in your reporting.
- Archiving of ACDOCD isn't supported for production costs.

Effects on Customizing

You can find this activity and related activities in Customizing for [Financial Accounting](#) under [Financial Accounting Global Settings](#) > [Document](#) > [Summarization](#) > [Deferred Summarization](#) > [Deferred Summarization of Production Costs](#) .

Related Information

[Deferred Summarization](#)
[Production Cost Analysis](#)
[Analyze Costs by Work Center/Operation](#)

3.6.1.27 New Business Context in the Manage Substitution/Validation Rules App

This feature enables you to create substitution and/or validation rules for the Journal Entry Item business context in the [Manage Substitution/Validation Rules](#) app. Values entered into the system can then be automatically substituted and/or validated depending on the preconditions and rules defined in the app.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close)
Application Component	FI-GL (General Ledger Accounting)
Valid as Of	SAP S/4HANA 2021

Related Information

[Manage Substitution/Validation Rules](#)
[Rules for Substitution/Validation](#)

3.6.2 Asset Accounting

3.6.2.1 Depreciation Posting: Posting in Prior Periods

You can now execute the depreciation posting run again for periods that are before the last posted period.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1GB; J62
Application Component	Asset Accounting (FI-AA)
Available As Of	SAP S/4HANA 2021

Additional Details

Until now, the following restriction applied for the depreciation posting run (transaction AFAB): If you wanted to execute a depreciation run again within a fiscal year, this was only possible for the last posted period or for a future period. If you tried to post the depreciation in a period already posted that was before the last posted period, then the system issued error message AAP0524.

As of release SAP S/4HANA 2021, this restriction no longer applies: You can now execute the depreciation posting run again for periods that are before the last posted period of the fiscal year.

❖ Example

In the current fiscal year YYYY, you last performed the depreciation posting run for period 005. You need to repeat the depreciation posting run for period 003. This is now possible.

If two fiscal years are open (for example: YYYY-1 and YYYY), the depreciation can be posted in both fiscal years before the last period posted.

Please also take into consideration that: As a result of the depreciation posting in previous periods, the values for the posted and planned depreciation and the net book values change; the system displays these changed values in the [Asset Explorer](#) (transaction AW01N).

Effects on Existing Data

The above applies to all open fiscal years after the release upgrade.

Effects on Data Transfer

None.

Effects on System Administration

None.

Effects on Customizing

None.

More Information

For more information about posting depreciation, see the application help (product assistance) for [Asset Accounting](#) under [Post Depreciation](#) in the program documentation in the system.

3.6.2.2 Tile “Execute/Undo Year-End Closing”

If you use the SAP Fiori Launchpad for the [Asset Accountant](#) role, please note the following:

The tile [Execute/Undo Year-End Closing](#) will be deleted in the next release.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	1GB; 1GF; BFH; J62
Application Component	Asset Accounting (FI-AA)
Valid from	SAP S/4HANA 2021

Additional Details

Deprecated Tile

The tile [Execute/Undo Year-End Closing](#) from the business catalog [Asset Accounting - Periodic Activities](#) (SAP_SFIN_BC_AA_PER_ACT) will be deleted in the next release:

Title - Subtitle	Execute/Undo Year-End Closing
App ID (= Transaction)	FAA_CMP
Business Catalog	Asset Accounting - Periodic Activities (SAP_SFIN_BC_AA_PER_ACT)

Replacement: Other Existing Tile

As before, you can use the functions belonging to the tile [Execute/Undo Year-End Closing](#) using the following tile:

Title - Subtitle	Make Company Code Settings - Asset Accounting-Specific
App ID (= Transaction)	FAA_CMP
Business Catalog	Asset Accounting – Current Settings (SAP_SFIN_BC_AA_CURR_SET)

→ Recommendation

We therefore recommend that you now use the tile [Make Company Code Settings – Asset Accounting-Specific](#) instead of the tile [Execute/Undo Year-End Closing](#) .

Effects on Existing Data

None.

Effects on Data Transfer

None.

Effects on System Administration

For you to be able to use the app [Make Company Code Settings – Asset Accounting-Specific](#), the business catalog SAP_SFIN_BC_AA_CURR_SET must be assigned to your role.

Effects on Customizing

None.

More Information

For more information, see the configuration help of the app [Make Company Code Settings - Asset Accounting-Specific](#). To call up the configuration help, choose the pushbutton [Configuration Help](#) in the app.

3.6.3 Revenue and Cost Accounting

3.6.3.1 Restructuring of Revenue Accounting and Reporting

A new Help Portal structure for [Revenue and Cost Accounting](#) has been created. [Event-Based Revenue Recognition](#) has been added and can now be found alongside [Revenue Accounting and Reporting](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1K2 (Event-Based Revenue Recognition - Sell from Stock) 33M (Event-Based Revenue Recognition - Sell from Stock - IFRS)
Application Component	CO-PC-OBJ-EBR (Event-Based Revenue Recognition)
Valid as Of	SAP S/4HANA 2021

Related Information

[Revenue Accounting and Reporting](#)
[Event-Based Revenue Recognition](#)

3.6.3.2 Revenue Accounting and Reporting

3.6.3.2.1 Direct Posting

You can have close integration with the universal journal by posting directly to the universal journal without persistence of the Revenue Accounting (RAR) subledger. The benefits of direct posting are the following:

- A simplified process for **small- and medium-volume business scenarios**
- When direct posting is used, no RAR subledger is used, and this leads to reduced reconciliation effort.
- A reduction in the number of period-end batch jobs required to execute the [Transfer Revenue](#) transaction for time-based revenues and the [Calculate Contract Liabilities and Contract Assets](#) transaction

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5VW (Revenue Accounting)
Application Component	FI-RA (Revenue Accounting)
Available As Of	SAP S/4 HANA 2021

Additional Details

When you activate direct posting, the key features are the following:

- No data is generated in RAR subledger `FARR_D_POSTING`.
- All postings are made directly in the universal journal (`ACDOCA`) without running transaction [Start Revenue Posting Run](#) (`FARR_REV_POST`).
- Revenue and cost postings for the contracts are triggered by events from the revenue accounting items (RAIs).
- Revenue and cost postings for time-based POBs without events are triggered by the transaction [Transfer Revenue](#) (`FARR_REV_TRANSFER`).
- Asset and liability posting documents are created immediately by the transaction [Calculate Contract Liabilities and Contract Assets](#) (`FARR_LIABILITY_CALC`).
- Posting documents are generated per revenue contract.
- All posted amounts are reflected in the relevant SAP Fiori apps, for example, [Manage Revenue Contracts](#) and [Revenue Schedule](#). These amounts can also be disclosed in Disclosure reports, such as [Disaggregation of Revenue](#) and [Contract Balance](#).

Effects on Existing Data

The existing revenue contract before the activation of direct posting is still posted in an aggregated way.

Effects on Customizing

You activate direct posting under [Revenue Accounting](#) > [Revenue Accounting Contracts](#) > [Define Posting Mode for Company Code](#).

Furthermore, in the Customizing activity [Revenue Accounting Contracts](#) > [Number Ranges](#) > [Define Number Ranges for Reference Document Number](#), you need to configure the number range object FARR_BELNR as the reference document number for direct posting.

Related Information

[Direct Posting](#)

3.6.3.2.2 Manual Price Allocation

With the new [Price Allocation](#) app, you can manually change allocated amounts of multiple performance obligations that belong to one contract.

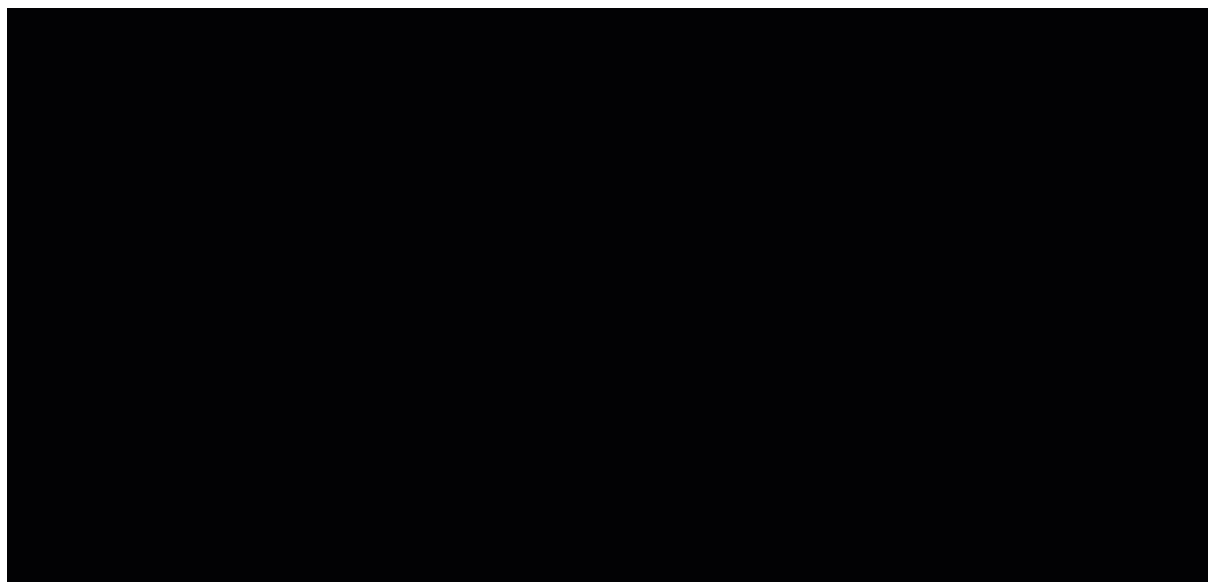
Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5VW (Revenue Accounting)
Application Component	FI-RA (Revenue Accounting)
Available As Of	SAP S/4HANA 2021

Additional Details

These changes can be made directly on-screen in the [Price Allocation](#) app. Alternatively, you can download the spreadsheet, make changes to the data, and then upload the edited file. You can also reset the manually

allocated amount to the system default amount. The system performs the necessary checks and saves the new allocated amounts. If some changes mean that allocation is triggered later, the system overwrites the manually captured allocated amounts with allocated amounts determined by the system, which leads to an allocation conflict. To resolve this conflict, you can adjust the allocated amounts manually or reuse the default amount from the system.



Related Information

[Manual Price Allocation](#)

3.6.3.2.3 Intercompany Sales and Drop Shipment

Revenue Accounting and Reporting supports the *Intercompany Sales and Drop Shipment* scenarios for the integration with SAP Sales and Distribution. Revenue and cost recognition for the selling company can be triggered by

- An intercompany billing document
- An incoming vendor invoice

To support this, Revenue Accounting provides the new fulfillment event types *Intercompany Billing* (IB) and *Purchase Invoice* (PI).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5VW (Revenue Accounting)
Application Component	FI-RA (Revenue Accounting)
Available As Of	SAP S/4HANA 2021

Effects on Data Transfer

Related Information

[Fulfillment by Drop Shipment](#)
[Fulfillment by Intercompany Billing](#)

3.6.3.2.4 Cancellation of Early Termination

You can now cancel an early termination after the revenue contract has been terminated. This means that the contract will not be terminated anymore but instead will be changed back to the original status. You trigger the cancellation of an early termination with an order revenue accounting item (RAI). The early termination will be canceled only if all related order RAIs have an empty value for the early termination indicator. When the early termination has been canceled successfully, existing postings to the revenue account and cost account for the early termination expenses will be reversed.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5VW (Revenue Accounting)
Application Component	FI-RA (Revenue Accounting)

Related Information

[Early Termination](#)

[Cancellation of Early Termination](#)

3.6.3.2.5 Monitor Revenue Contracts

The [Monitor Revenue Contracts](#) app provides you with a list of significant figures for your revenue contracts. For example, this includes the contractual price, number of manual fulfillment performance obligations, number of manually created performance obligations, and the contract end date.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5VW (Revenue Accounting)
Application Component	FI-RA (Revenue Accounting)
Available As Of	SAP S/4HANA 2021

Additional Details

The [Monitor Revenue Contracts](#) app enables you to search for revenue contracts based on operational documents, monitor the status of the revenue contracts, and navigate to other applications to perform other tasks.

Related Information

[Monitor Revenue Contracts](#)

3.6.3.2.6 Revenue Catch-up

Revenue Accounting and Reporting (RAR) provides a multidimensional report: Revenue Catch-up. Two applications are delivered to provide the Revenue Catch-up functions:

- Calculate Revenue Catch-up: This calculates quarterly and yearly revenue catch-up.
- Revenue Catch-up: This is the current yearly revenue catch-up, quarterly revenue catch-up, or period revenue catch-up.

The Revenue Catch-up is the amount of recognized revenue in the reporting period from all performance obligations (POBs) that were satisfied in previous periods.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5VW (Revenue Accounting)
Application Component	FI-RA (Revenue Accounting)
Available As Of	SAP S/4HANA 2021

Additional Details

The [Revenue Catch-up \(Deprecated\)](#) app will be deprecated in SAP S/4HANA 2022. It is being replaced by the [Calculate Revenue Catch-up](#) application job app and the [Revenue Catch-up](#) multidimensional report.

Related Information

[Revenue Catch-up](#)

3.6.3.2.7 Contract Balance Reclassification

Revenue Accounting and Reporting (RAR) provides the Contract Balance Reclassification report. This report helps classify balance sheet items related to revenue contracts into Short or Long-term items.

This report only focuses on contract balance (for example, contract liability or contract asset) reclassification when the default [Contract Liability and Asset Calculation Method](#) is [Calculate net CL/CA directly on Contract](#).

For First In, First Out (FIFO), consumption is applied to the current balance sheet items, based on future fulfillments or a future invoice

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5VW (Revenue Accounting)
Application Component	FI-RA (Revenue Accounting)
Available As Of	SAP S/4HANA 2021

Related Information

[Contract Balance Reclassification](#)

3.6.3.2.8 Clean-up Productive Data

Revenue Accounting and Reporting (RAR) now provides the [Clean-up Productive Data](#) Fiori application. You can use the app to clean-up and reverse the productive data.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5VW (Revenue Accounting)
Application Component	FI-RA (Revenue Accounting)
Available As Of	SAP S/4HANA 2021

Additional Details

The clean-up and reversal of the productive data can be based on the following search criteria:

- Company Code
- Sender Component
- Source Item Logical System
- Order Header ID
- Posting Date

Related Information

[Clean Up and Reverse Productive Data](#)

3.6.3.2.9 Early Warning Mechanism for Standalone Selling Price Compliance Risks

Automation in SAP Financial Compliance detects a critical deterioration of the actual selling prices compared to the standalone selling prices applied in accounting for the transactions.

The early warning mechanism enables a timely reaction by the company. This is a game-changer compared to today's after-the-fact analysis and year-end reporting as part of the corporate financial year.

Utilizing SAP Financial Compliance Management allows the expansion and automation of the company's (SOX) controls landscape. This is just one of many examples of progress towards an intelligent self-auditing financial landscape with SAP S/4.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5VW (Revenue Accounting)
Application Component	FI-RA (Revenue Accounting)
Available As Of	SAP S/4HANA 2021

Related Information

[Early Warning Mechanism for Standalone Selling Price Compliance Risks](#)

3.6.3.2.10 Enhance Disclosure Reports with Cost

These analytical reports allow you to disclose cost by category.

The following analytical reports can be used for category-based disclosure of costs:

- Disaggregation of Recognized Revenue: Enables you to analyze the recognized cost together with recognized revenue.
- Disaggregation of Revenue: Enables you to analyze the posted cost together with posted revenue once posting is completed.
- Remaining Performance Obligations: Enables you to analyze the total open cost together with total open revenue, up to the reporting period.
- Remaining Performance Obligations with Time Bands: Enables you to analyze when the outstanding cost is expected to be recognized together with outstanding revenue.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5VW (Revenue Accounting)
Application Component	FI-RA (Revenue Accounting)
Available As Of	SAP S/4HANA 2021

Related Information

[Revenue Catch-up](#)

[Disaggregation of Revenue](#)

[Remaining Performance Obligations](#)

[Remaining Performance Obligations \(with Time Bands\)](#)

3.6.3.2.11 Start Date Type 3 (Is Always the Event Date)

When the operational system requests the creation of a time-based performance obligation (POB), it can specify how the start date and the end date are determined by using the start date type attribute.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5VW (Revenue Accounting)
Application Component	FI-RA (Revenue Accounting)
Available As Of	SAP S/4HANA 2021

Additional Details

With the new start date type [Is always the event date](#), the start date and the end date are not set when a performance obligation is created, but determined automatically when the first invoice is being processed in Revenue Accounting and Reporting. The start date of the POB is filled with the posting date of the invoice and the end date is determined based on the duration and the duration unit defined in BRFplus. The fulfillment of the POB will be distributed according to the start date, end date, and deferral method.

Related Information

[Start Date Types](#)
[Start Date Is Always the Event Date](#)

3.6.3.2.12 Reprocess Contracts

The [Reprocess Contracts](#) function allows you to select a set of revenue contracts and reprocesses any processed revenue accounting items (RAIs) within them. The accounting team can redetermine attributes of existing contracts and performance obligations, based on updated BRFplus rules and configuration.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5VW (Revenue Accounting)
Application Component	FI-RA (Revenue Accounting)
Available As Of	SAP S/4HANA 2021

Related Information

[Reprocessing Contracts](#)

3.6.3.2.13 Reprocessing Postponed Revenue Accounting Items

With the new report [FARR_REPROCESS_POSTPONED_RAI](#), the system automatically reprocesses postponed revenue accounting items (RAIs).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5VW (Revenue Accounting)
Application Component	FI-RA (Revenue Accounting)
Available As Of	SAP S/4HANA 2021

Related Information

[Processing Postponed Revenue Accounting Items](#)

3.6.3.2.14 Enhance Manage Revenue Accounting Items App with Processed RAIs

The [Manage Revenue Accounting Items](#) SAP Fiori application has been renamed from [Manage Postponed Revenue Accounting Items](#) and now enables a business user to check and display postponed revenue accounting items (RAIs) and processed RAIs.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5VW (Revenue Accounting)
Application Component	FI-RA (Revenue Accounting)
Available As Of	SAP S/4HANA 2021

Additional Details

You can search for and display a list of all postponed RAIs that failed to be processed in the system. You can also view the detailed logs of a postponed RAI and then process the postponed RAIs.

Furthermore, you can review additional information on the item level for the processed RAIs, such as related condition items.

[Item Status](#) is used to differentiate between the different types of revenue accounting items.

Related Information

[Manage Postponed Revenue Accounting Items](#)

3.6.3.2.15 Migration from Operational Orders into Revenue Accounting

Revenue Accounting enables you to create revenue contracts from existing operational orders by using the [Migrate Your Data](#) SAP Fiori app and the [Revenue accounting](#) migration object. To use the [Migrate Your Data](#) SAP Fiori app, you need to be assigned to the `SAP_BR_CONFIG_EXPERT_DATA_MIG` business role.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5VW (Revenue Accounting)
Application Component	FI-RA (Revenue Accounting)
Available As Of	SAP S/4HANA 2021

3.6.3.2.16 Upload of Revenue Accounting Items for Legacy Data from Contract Accounting

If you use Contract Management (CM), you can now upload revenue accounting items from Contract Accounting as part of a migration.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5VW (Revenue Accounting)
Application Component	FI-RA (Revenue Accounting)
Valid as Of	SAP S/4HANA 2021

Related Information

[Loading of Revenue Accounting Items for Legacy Data](#)

3.6.3.3 Event-Based Revenue Recognition

3.6.3.3.1 Support of Event-Based Revenue Recognition for Sales Orders

With this release, Event-Based Revenue Recognition is now supported for sales orders (sell from stock scenario) with delivery-related billing. This integration allows you to calculate and post real-time revenue and cost adjustment for sales orders.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1K2 (Event-Based Revenue Recognition - Sell from Stock) 33M (Event-Based Revenue Recognition - Sell from Stock - IFRS)
Application Component	CO-PC-OBJ-EBR (<i>Event-Based Revenue Recognition</i>)
Valid as Of	SAP S/4HANA 2021

End-To-End Process Description

For an overview of the end-to-end process of Event-Based Revenue Recognition for Sales Orders, see [Event-Based Revenue Recognition for Sales Orders](#).

Assessment Process and Customizing Requirements

Due to very specific customizing requirements, Event-Based Revenue Recognition for Sales Orders is released individually to customers using an assessment process. Before you use the solution and its respective customizing activities, follow the steps described in this note regarding the assessment process: [3067643](#).

Using Customizing, your system administrator can individually define parameters for Event-Based Revenue Recognition for Sales Orders such as revenue recognition keys or item categories. However, some specific customizing requirements have to be met for both Event-Based Revenue Recognition and Sales. To learn more about these requirements, see

- [Customizing Requirement Checklist for Event-Based Revenue Recognition](#)
- [Customizing Requirement Checklist for Integration of Sales with Event-Based Revenue Recognition](#)

New Fiori Apps

The following new apps are available:

- [Revenue Recognition \(Event-Based\) - Sales Orders](#)
- [Run Revenue Recognition - Sales Orders](#)
- [Manage Revenue Recognition Issues - Sales Orders](#)
- [Manage Real-Time Revenue Recognition Issues](#)
- [Revenue Recognition Reversal - Sales Orders](#)

To learn more about the apps and the respective business catalogs, see [Fiori Content for Finance \[page 93\]](#).

Related Information

[Sales Order Management and Processing](#)

3.6.3.3.2 **Deprecated App: Revenue Recognition (Event-Based) - Projects**

The App [Revenue Recognition \(Event-Based\) - Projects](#) is deprecated and will no longer be available as of SAP S/4HANA 2022. Please use the successor app [Revenue Recognition \(Event-Based\) \(2\) – Projects](#) instead.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	1K2 (Event-Based Revenue Recognition - Sell from Stock) 33M (Event-Based Revenue Recognition - Sell from Stock - IFRS)
Application Component	CO-PC-OBJ-EBR (Event-Based Revenue Recognition)
Valid as Of	SAP S/4HANA 2021

Effects on Existing Data

The app may no longer be available by default on the SAP Fiori launchpad. In this case, you can find it in the app finder until it is deleted. We recommend that you switch to the successor app as soon as possible.

Related Information

[Revenue Recognition \(Event-Based\) - Projects](#)

3.6.3.3.3 Renamed Apps in Event-Based Revenue Recognition

The [Run Revenue Recognition – Projects](#) and [Run Revenue Recognition – Sales Orders](#) apps have been renamed and now include the respective backend transaction.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1K2 (Event-Based Revenue Recognition - Sell from Stock) 33M(Event-Based Revenue Recognition - Sell from Stock - IFRS)
Application Component	CO-PC-OBJ-EBR (Event-Based Revenue Recognition)
Valid as Of	SAP S/4HANA 2021

Additional Details

The apps have been renamed to make a clear distinction between the SAP GUI for HTML apps now called [Run Revenue Recognition – Projects \(REV_REC_COL_PRO\)](#) and [Run Revenue Recognition – Sales Orders \(REV_REC_COL_SD\)](#) and the newly added Fiori apps which have taken up the previous app names [Run Revenue Recognition – Projects](#) and [Run Revenue Recognition – Sales Orders](#). While both versions are available and cover the same functionalities, we recommend to switch to the Fiori apps if possible.

Previous Name	New Name
Run Revenue Recognition Projects	Run Revenue Recognition - Projects (REV_REC_COL_PRO)
Run Revenue Recognition Sales Orders	Run Revenue Recognition - Sales Orders (REV_REC_COL_SD)

Related Information

[Run Revenue Recognition - Sales Orders](#)

[Run Revenue Recognition - Projects](#)

3.6.4 Joint Venture Accounting

3.6.4.1 Deprecation of SAP Design Studio Apps in Joint Venture Accounting

All SAP Design Studio apps in Joint Venture Accounting are deprecated and will be removed from the system as of SAP S/4HANA 2022 .

We recommend that you switch to the Web Dynpro apps, which are the successor apps and already the default tiles on the SAP Fiori launchpad.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	3F7 (Joint Venture Accounting)
Application Component	CA-JVA (Joint Venture Accounting)
Valid as Of	SAP S/4HANA 2021

Additional Details

With SAP S/4HANA 2021, the Web Dynpro version of the tiles become the default tiles on the SAP Fiori launchpad. The Design Studio version of the tiles are moved to the app finder.

Here's a list of all deprecated Design Studio apps in Joint Venture Accounting and their successor apps:

Design Studio Apps

Fiori ID	Design Studio App Name	Successor App
F4060	Partner Billing Report	W0143
F4061	Gross Non-Operated by Cost Object	W0142
F4063	Remaining Cutback	W0146
F4064	Partner Net by Cost Object	W0144
F4065	Venture Expenses	W0141

Effects on Existing Data

These apps are the successors of the Design Studio apps. The Design Studio apps are no longer supported and will be deleted from the SAP Fiori launchpad as of SAP S/4HANA 2022. The apps may no longer be available by default on the SAP Fiori launchpad. In this case, you can find them in the app finder until they are deleted. We recommend that you switch to the successor apps as soon as possible.

Related Information

[Deprecation of SAP Design Studio Apps \[page 1056\]](#)

[Deprecation of SAP Design Studio Apps in Finance \[page 92\]](#)

[Reporting](#)

3.6.4.2 Joint Venture Funding - Options for Reimbursement and Interest Calculation

In the [Schedule Job for Funding](#) app, you can now choose between three process options in order to list, simulate or post either interest calculations or reimbursements. Furthermore, the selection of data for interest calculation is now controlled by two flags: one for the selection of interest groups and the other for the selection of ventures that are not assigned to an interest group. That way you don't accidentally select data when the interest group selection or the unassigned venture selection is left empty.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	3F7 (Joint Venture Accounting)
Application Component	CA-JVA (<i>Joint Venture Accounting</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Funding](#)
[Interest calculation](#)

3.6.4.3 Non-Operator Invoice Functionalities

Enhance and adapt the invoice details table according to your needs with buttons that add an input line, modify or delete an added line, display line settings as well as asset details.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	3F7 (Joint Venture Accounting)
Application Component	CA-JVA (<i>Joint Venture Accounting</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Processing Non-Operated Invoices by Operator](#)
[Processing Non-Operated Invoices by Venture](#)

3.6.4.4 JV Interest Calculation History

This feature allows you to:

- display the interest calculation history based on daily balances during clearing from interim to final bank account for inter-venture transactions;
- permit detailed reporting on the Opening Balance, Rate Threshold and Closing Balance by Venture, Equity Group, Recovery Indicator, Funding Currency, Period, Interest Charge, Interest Calculation Group and Group Balance, Reference Rate and Cycle;
- use further Fiori report standard functions: item details; sort; filter; select, change, and save layout; list print; export the list as local file and spreadsheet.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	3F7 (Joint Venture Accounting)
Application Component	CA-JVA (<i>Joint Venture Accounting</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Interest Calculation History Report](#)

3.6.4.5 Joint Interest Billing (JIB) Report

The joint interest billing (JIB) report can show gross billable balance per JIB and JIB subclass which can then be used for partner billing reconciliations. Furthermore, the report enables you to review the billable expenses prior to the execution of the month-end process and to view the JIB code classification for each account and cost object combination. Use the drill-down capability to document on line item level.

Technical Details

Type	New
------	-----

Functional Localization	Not applicable
Scope Item	3F7 (Joint Venture Accounting)
Application Component	CA-JVA (<i>Joint Venture Accounting</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Display Joint Interest Billing Detail](#)

3.6.4.6 Functional Currency Support for Joint Venture Accounting Cutback, Netting, Billing

This feature allows you to:

- Display the functional currency in an additional column in the transactional documents created by the Joint Venture Accounting apps *Schedule Job for Cutback*, *Remaining Cutback*, and *Schedule Job for Netting*.
- Display the functional currency in an additional column in the Partner Billing document created by the Joint Venture Accounting *Schedule Job for Billing* app.

The display of the functional currency is based on the general finance currency configuration.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	3F7 (Joint Venture Accounting)
Application Component	CA-JVA (<i>Joint Venture Accounting</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Running Cutback](#)

[Reporting the Remaining Cutback by Cost Object](#)
[Executing Partner Netting](#)
[Extracting Expenditure/Supplemental Detail](#)
[Functional Currency - Availability in Finance Apps \[page 94\]](#)

3.6.4.7 Joint Venture Accounting in a Central Finance Scenario

This feature allows you to create the initial load from a source system to the Central Finance system for Joint Venture Accounting (JVA) master data and documents. The initial load of the balance function is not yet available. In a JVA Central Finance scenario, JVA master data and documents are continuously replicated between a source system, for example an SAP ERP system, and the central SAP S/4HANA system where JVA is activated in the source system and the Central Finance system.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	3F7 (Joint Venture Accounting)
Application Component	CA-JVA-JVA-IF (<i>Joint Venture Accounting Integration Functionality</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following features for JVA are available:

- Initial load of historic data (documents and master data).
- Replication of the main JVA master data (Joint Operating Agreements, Ventures, Equity Groups, Venture Partners).
- Integration of the JVA split results in the FI document replication.
- Replication of internal JVA documents posted by several JVA month-end processes. (Internal JVA documents are documents that are not posted to FI or CO ledgers but posted to the classic JV ledgers 4A/4B/4C/4D or to the *Universal Journal*, only.)
- Reports for documents and master data comparison between source and Central Finance system so that you can validate whether data is replicated correctly.

i Note

For the source system:

Joint Venture Accounting in a Central Finance scenario is available for source systems running on:

- SAP ERP EHP6 or higher
- SAP S/4HANA 1610 or higher (only JVA classic)

For the central SAP S/4HANA system:

Joint Venture Accounting in a Central Finance scenario is available for source systems running on SAP S/4HANA 1909 or higher (JVA on ACDOCA).

Depending on the support package of the release you are running, you might need to implement additional SAP Notes. You can find all relevant SAP Notes in the [SAP Note 2941357](#).

Related Information

[Joint Venture Accounting in Central Finance](#)

[Joint Venture Accounting \(JVA\)](#)

[Universal Journal](#)

[SAP Note 2941357](#) 

3.6.5 Intercompany Matching and Reconciliation

3.6.5.1 Intercompany Document Matching with Machine Learning

In addition to intercompany document matching based on user-defined rules, ICMR introduces **SAP S/4HANA Cloud for intelligent intercompany reconciliation** to leverage machine learning algorithms to match intercompany documents. With that, your intercompany document matching and reconciliation process can be accelerated.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	40Y (Intercompany Reconciliation Process), 4LG (Intelligent Intercompany Reconciliation)

Application Component	FIN-CS-ICR (<i>S/4HANA Intercompany Matching and Reconciliation</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

To enable the machine learning training and inference, the following three apps are delivered:

- [Schedule Training Jobs](#)
- [Schedule Inference Jobs](#)
- [Machine Learning Monitor](#)

These apps are available to users who are assigned with the business catalog SAP_FIN_BC_ICA_MLM (*Intelligent Intercompany Matching*).

Effects on System Administration

As the solution calls the microservice *Intelligent Intercompany Reconciliation*, which runs on SAP Business Technology Platform (BTP), the service provisioning and system connection need to be set up. For more information, see [Provision ICR Service in SAP BTP](#) and [Establish Service Connection](#).

Additionally, *Intelligent Scenario Management* is required to deploy and activate useful trained models. To access it, users must be assigned with a role that contains the business catalog SAP_BASIS_BC_ISM_ISO (*Intelligent Scenario Management*).

Effects on Customizing

You need to set a matching method to *Enable machine learning* by using the customizing activity *Define Additional Settings for Matching Methods* (transaction ICAAS).

Related Information

[Intelligent Intercompany Reconciliation](#)

3.6.5.2 Changes in Define Matching Methods

The *Define Matching Methods* app is enhanced to support the following:

- When defining data slices of a matching rule, you can switch to **expert mode** to compose a SQL string, which supports more functions and expressions than the basic mode.
- When defining matching expressions of a matching rule, you can use the new operator `TOLERANCE_PERCENT` to compare amounts or quantities.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	40Y (Intercompany Reconciliation Process)
Application Component	FIN-CS-ICR (S/4HANA Intercompany Matching and Reconciliation)
Valid as Of	SAP S/4HANA 2021

Related Information

[Expert Mode for Defining Filters
Functions and Comparison Operators](#)

3.6.5.3 Display Matching Items (Unit View)

The [Display Matching Items \(Unit View\) - By Reconciliation Case](#)

- Display document items related to the same transaction types (as defined in a reconciliation case display group) by selecting leading unit and partner units.
- Track change history of assignment details by using [Key Timestamp](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	40Y (Intercompany Reconciliation Process)

Application Component	FIN-CS-ICR (<i>S/4HANA Intercompany Matching and Reconciliation</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Display Matching Items \(Unit View\) - By Reconciliation Case](#)

3.6.6 Group Reporting

3.6.6.1 "Check All" and "Import All" Options in Import Master Data for Consolidation Fields App

There are two new options for importing master data for consolidation fields in the *Import Master Data for Consolidation Fields* app: *Check All* and *Import All*. These enable you to import large quantities of entries at the same time - securely up to 100,000 but more is also possible.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1SG (Group Reporting - Financial Consolidation)
Application Component	FIN-CS (<i>SAP S/4HANA Financial Consolidation</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

Previously, only the options *Check* and *Import* were available. It was necessary to select individual entries either one-by-one or with the *Select All* function. However, this *Select All* function would only select the entries that were loaded into the UI by the paging mechanism. Therefore, only a portion of the total entries to import would be selected.

Now, the options *Check* and *Import* have been replaced with *Check Selected* and *Import Selected* respectively, and the new options *Check All* and *Import All* have been added. *Check Selected* and *Import Selected* check and

import only the entries that you've individually selected. As such, the [Check Selected](#) and [Import Selected](#) options are only available if entries have been selected. However, [Check All](#) and [Import All](#) check and import all the entries, including the ones that aren't yet visible on the UI. Since these two options don't require you to select any entries, they're always available.

Related Information

[Import Master Data for Consolidation Fields](#)

3.6.6.2 +/- Sign Change for Consolidation Financial Statement Item Nodes

In the [Manage Global Hierarchies](#) app, you can reverse the +/- sign for the values of consolidation financial statement (FS) item nodes and the FS items belonging to them.

Technical Details

Type	Must know
Functional Localization	Not applicable
Scope Item	1SG (Group Reporting - Financial Consolidation)
Application Component	FIN-CS (S4HANA Financial Consolidation)
Available As Of	SAP S/4HANA 2021

Additional Details

In Finance, revenue is stored as a negative number, which indicates a credit. If you select [+/- Sign Change](#) for a node of revenue FS items, the revenue is displayed as a positive number in the relevant consolidation reports depending on the key figures that are used in the reports.

[+/- Sign Change](#) can only be selected for a node in a [Consolidation Financial Statement Item](#) hierarchy. The +/- sign change settings are then inherited by the FS items directly belonging to that node. These settings aren't visible when the hierarchy is created or edited but are only inherited when the hierarchy is activated.

Selecting [+/- Sign Change](#) does not impact values in the database nor calculations. It is purely for display purposes in reports.

The +/- sign change is displayed only in reports and released queries that are based on the new reporting logic and don't contain reporting rules. Here are some examples:

- [Group Data Analysis \(SAC\)](#)
- [Group Data Analysis](#)
- [Group Financial Statements](#)

i Note

In SAP-delivered hierarchies that you activate in SAP S/4HANA 2021 or later, the +/- sign change is already maintained. However, for SAP-delivered hierarchies that you've activated before SAP S/4HANA 2021, you must maintain the +/- sign change yourself. You must also maintain the +/- sign change for any hierarchies you create or have created.

Related Information

[+/- Sign Change](#)

3.6.6.3 Set Global Parameters

This feature allows you to set the global parameters that apply to your Customizing settings and all further steps of the consolidation process. You set the global parameters in the new IMG activity [Set Global Parameters](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1SG (Group Reporting - Financial Consolidation)
Application Component	FIN-CS (SAP S/4HANA Financial Consolidation)
Valid As Of	SAP S/4HANA 2021

Additional Details

Before you assign values to these parameters, these values must exist in the current system. You have the following options to do this:

- Install the SAP Best Practices content for **Group Reporting – Financial Consolidation** (scope item 1SG). Details and instructions for installing these best practices can be found in SAP Note [2659672](#).

Note

For more information about scope item 1SG, see [Group Reporting - Financial Consolidation](#) in the SAP Best Practices Explorer.

- Alternatively, execute the IMG activity [Initialize Settings](#). This should only be done if no SAP Best Practices content is installed.
- Create the global parameter values prior to specifying them in the IMG activity [Set Global Parameters](#).

Effects on Customizing

A new IMG activity has been created under ► [SAP S/4HANA for Group Reporting](#) ► [Set Global Parameters](#) ►.

See Also

For further details, see the documentation for the IMG activity [Set Global Parameters](#).

Related Information

[Customizing](#)

3.6.6.4 Financial Statement Item Extensibility

You can create your own financial statement (FS) item attributes. They can then be used in selections, reclassification rules, totals validation rules, and analytics.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1SG (Group Reporting - Financial Consolidation)
Application Component	FIN-CS (SAP S/4HANA Financial Consolidation)

Additional Details

Before creating your own FS item attributes, you need authorizations for extensibility.

To create your own FS item attributes, you must first define new custom fields for FS item master data in the [Custom Fields](#) app.

There are two types of FS item attributes that you can define: attributes that are time- and version-**independent** and attributes that are time- and version-**dependent**. Depending on which of these two options you choose, you select a specific [Business Context](#) when creating a new custom field. For time- and version-independent attributes, select [Consolidation Financial Statement Item](#) for the business context. For time- and version-dependent attributes, select [Consolidation Financial Statement Item Time/Version Dependent](#) for the business context.

After creating and publishing the custom fields for your FS item attributes, you can maintain the assignment of FS item attribute values to FS items in the [Define FS Items](#) app and the [Import Consolidation Master Data](#) app.

Your custom FS item attributes can be used in the following ways:

- In selections with the [Define Selections](#) app
- In reclassification rules with the Customizing activity [Define Reclassification Methods](#)
- In totals validation rules with the [Define Validation Rules](#) app
- In [Analytics for Group Reporting](#), such as in the [Group Data Analysis](#) app

i Note

Only custom FS attributes that are time- and version-independent can be used in analytics.

Custom FS Item Selection and Target Attributes

You can create time- and version-dependent FS item attributes that can be used like standard selection attributes or target attributes. To do so, you must make specific selections when defining the custom fields.

- For FS item selection attributes:
 - For [Type](#), select [Code List](#). This then reveals the [List Values](#) section.
 - In the [List Values](#) section, define a list of [Code Value](#) and [Description](#) combinations. Later, users can choose entries from this list to assign them as attribute values to FS items. If necessary, descriptions can be translated into different languages.

i Note

Descriptions must be maintained language dependent. If your description is translated into multiple languages, then any changes to the description must also be maintained for each language that the description is translated in.

- For FS item target attributes:
 - For *Type*, select *Association to Business Object*. This then reveals the selection field *Business Object*.
 - For *Business Object*, select *Consolidation Financial Statement Item*.

Effects on System Administration

To maintain your custom FS item attributes in the [Define FS Items](#) app, the administrator must adapt the UI to add the custom fields for the FS item attributes.

Also, the administrator can add filters and columns for the custom FS item attributes centrally for the tables in the [Define FS Items](#) app and the [Import Consolidation Master Data](#) app and save as a public view. This way, the filters and columns appear for all users. However, any user can adjust the filters and columns for their own individual use.

Related Information

[Financial Statement Item Extensibility](#)

3.6.6.5 Define Consolidation Units and Define FS Items

With the new release, the [Define Consolidation Units](#) app and the [Define FS Items](#) app were enhanced.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1SG Group Reporting - Financial Consolidation
Application Component	FIN-CS (S4HANA Financial Consolidation)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following new features are added for the [Define Consolidation Units](#) app:

- On the overview page, you can now create a consolidation unit by copying an existing one. You can decide if you want to copy the time- and version-dependent data for all periods and versions or only for a certain period and version.
- From the overview page, you can now open the [Manage Group Structure](#) app. The navigation from the [Manage Group Structure](#) app to the [Define Consolidation Units](#) app is now also possible.
- On the details page, you can now copy the selected consolidation unit and create a new one. You can also delete the selected consolidation unit, and check where the consolidation unit is used by choosing [Check Where Used](#), or navigate to the [Manage Group Structure](#) app.

The following new features are added for the [Define FS Items](#) app:

- On the overview page, you can now create an FS item by copying an existing one. You can decide if you want to copy the time- and version-dependent data for all periods and versions or only for a certain period and version.
- On the details page, you can now copy the selected FS item and create a new one. You can also check where the FS item is used by choosing [Check Where Used](#).

Related Information

[Define FS Items](#)

[Define Consolidation Units](#)

3.6.6.6 Other Comprehensive Income in Total Divestiture

[Consolidation of Investments](#) was enhanced to feature [Other Comprehensive Income in Total Divestiture](#). The [Business Combinations](#) rules require an investor unit to post the group value of the other comprehensive income (OCI), such as currency translation differences, with an effect on earnings when it experiences a loss of control. The system posts the other comprehensive income to the profit and loss (P&L) statement in the event of a loss of control or total divestiture (also known as OCI recycling).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1SG Group Reporting - Financial Consolidation
Application Component	FIN-CS (S4HANA Financial Consolidation)
Valid as Of	SAP S/4HANA 2021

Related Information

[Other Comprehensive Income in Total Divestiture](#)

3.6.6.7 Equity Pickup (EPU) Adjustments

Now, it's possible to post Equity Pickup adjustments in the general ledger in Finance. To use this feature, you have to configure your settings under [Configure Your Solution](#) > [Finance](#) > [Corporate Close](#) > [Data Processing](#) > [Define G/L Settings for Equity Pickup](#).

Previously, posting Equity Pickup adjustments was only possible in group reporting.

For non-controlling units that are included in the ownership chain, you can now record these units for entries that are posted to non-controlling FS items on the partner unit field. To record the non-controlling unit for these entries, select the [Record Non-Controlling Unit](#) option in the [Define General Settings for Equity Pickup](#) configuration step.

Furthermore, when you run the [Equity Pickup](#) app, the system creates the additional Excel file EPU_LOGYYYYMMHHMMSS. This file lists the source data that is read by Equity Pickup, and the corresponding journal entries that are created.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1SG Group Reporting - Financial Consolidation
Application Component	FIN-CS (S4HANA Financial Consolidation)
Valid as Of	SAP S/4HANA 2021

Related Information

[Equity Pickup](#)

3.6.6.8 Carryforward of Financial Statement (FS) Items

The financial statement (FS) items to be carried forward to different FS items are now configured using FS item roles. When you need to change an FS item, it's enough to assign the correct role to the FS item to apply it during the balance carryforward. For more information see the [Additional Details](#) section below.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1SG Group Reporting - Financial Consolidation
Application Component	FIN-CS (S4HANA Financial Consolidation)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following entries are defined:

FS Item Role in the Old Year	FS Item in the Old Year	FS Item Role in the New Year	FS Item in the New Year
S-RETAINED-EARNING	316000 - Retained Earnings	S-ANI-BS	317000 - Net Income
S-NET-INC-CLEARING	319000 - Clearing C/I	S-ANI-BS	317000 - Net Income
S-NCI-NET-INC-BS	321150 - NCI Net income BS	S-NCI-RETAINED-EARN	321100 - NCI - Retained earnings
S-NET-INC-PART-DIVEST	318000 - Net Income Partial Divesture	S-RETAINED-EARNING	316000 - Retained earnings

Related Information

[Balance Carryforward](#)

3.6.6.9 Reclassification Enhancement for Inventory Profit Elimination

You can now eliminate profit that results from inventory transfers between consolidation units. For this, the buying unit must report the inventory value and identify the partner unit (selling unit). The selling unit must report the margin rate (%). This margin rate can be specific to a buying unit or valid for all buying units.

The reclassification method for this task is S2015 (IC Elim. Inventory Profit), which is configured with the document type ZJ and posting level 20.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1SG Group Reporting - Financial Consolidation
Application Component	FIN-CS (S4HANA Financial Consolidation)
Valid as Of	SAP S/4HANA 2021

Related Information

[Interunit Elimination](#)

[Example for Interunit Elimination of Profit in Inventory](#)

3.6.6.10 New fields Available in the Validation/Substitution Rules App

There are three additional fields available in the [Validation/Substitution Rules](#) app:

- PartnerConsolidationUnit (ACDOCU-RBUPTR)
- SubItem (ACDOCU-SUBIT)
- SubItemCategory (ACDOCU-SITYP)

Note

If you use the [PartnerConsolidationUnit](#), [SubItem](#) or [SubItemCategory](#) field in the substitution rules please be aware that there might be conflicts with the internal breakdown check. SAP recommends to create "non-conflicting" substitutions for these fields.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1SG Group Reporting - Financial Consolidation
Application Component	FIN-CS (S4HANA Financial Consolidation)
Valid as Of	SAP S/4HANA 2021

Related Information

[Rules for Substitution/Validation](#)

3.6.6.11 Multiple Group Currencies in Import Group Journal Entries app

The Multiple Group Currencies function is now also supported in the [Import Group Journal Entries](#) app. You can now post multiple group currency entries under one journal entry ID, within one document.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1SG Group Reporting - Financial Consolidation
Application Component	FIN-CS (S4HANA Financial Consolidation)
Valid as Of	SAP S/4HANA 2021

Related Information

[Multiple Group Currencies](#)
[Multiple Group Currencies in the Import Group Journal Entries App](#)

3.6.6.12 Extensibility in Import Group Journal Entries App

You can now import custom fields and post data to these custom fields in the [Import Group Journal Entries](#) app. To use this new feature the downloaded import template now contains additional columns used to import data to your custom fields.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1SG Group Reporting - Financial Consolidation
Application Component	FIN-CS (S4HANA Financial Consolidation)
Valid as Of	SAP S/4HANA 2021

Related Information

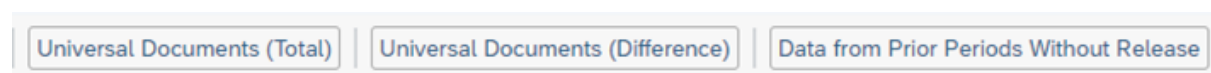
[Import Group Journal Entries Custom Fields](#)

3.6.6.13 Improved Messaging in Release of Universal Journals in the Data Monitor

Messaging, during the Release of Universal Journals in the [Data Monitor](#), has been improved as follows:

Improved messaging capabilities including a trace log to capture the task-release process.

Improved functions for the predicted document release:



Release of documents in test mode so that you can check the data before release.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1SG Group Reporting - Financial Consolidation
Application Component	FIN-CS (S4HANA Financial Consolidation)
Valid as Of	SAP S/4HANA 2021

Related Information

[Release Universal Journals](#)

3.6.6.14 Enhanced Release of Universal Journals

The release of universal journals in the data monitor was enhanced. These enhancements are related to the [Test](#) and [Update Run](#) modes in the data monitor and to their underlying functions [Universal Documents \(Total\)](#), [Universal Documents \(Difference\)](#), and [Data from Prior Periods Without Release](#).

- In the [Test](#) mode, you can now save your test data. In addition, the new features [Map Fields ACDOCA](#) (accounting data) and [Map Fields ACDOCP](#) (plan data) are now available.
- In the [Update Run](#) mode, there are new features available for the [Save](#) option. When you open a particular item in the [Documents](#) column and then open a particular document, you see the number of documents in ACDOCU, which is different from the number of documents in ACDOCA. In addition, you can also find the line item here.
- For both the [Test](#) and [Update Run](#) modes, you can now define your own layout using the [Admin](#) option. Also, a variety of new features is available when you choose the new [Documents](#) option. If you choose [Documents](#), a window is displayed with a summary of the posting results based on the key field. It also contains the new [Documents](#) column. In the lower right corner of the window you can choose [Toggle View](#) to switch between the three views: [GL Account](#), [FS Items](#), and [Original Company Code](#). The "old" [Documents](#) option, known from prior releases, is next to the [Toggle View](#) option and displays all documents. When you choose the icon in the [Documents](#) column of a particular line of the table, detailed information for the selected line items are displayed in a new window. The icon drills-down to more specific information.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1SG Group Reporting - Financial Consolidation
Application Component	FIN-CS (S4HANA Financial Consolidation)
Valid as Of	SAP S/4HANA 2021

Related Information

[Release Universal Journals](#)

3.6.6.15 Posting Group Journal Entries to Multiple Consolidation Groups

You can now post and display multiple consolidation groups in the [Post Group Journal Entries](#), [Import Group Journal Entries](#), and [Display Group Journal Entries](#) apps.

In the [Import Group Journal Entries](#) app, you can upload documents using a template that defines multiple consolidation groups under one journal entry ID, within one document.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1SG Group Reporting - Financial Consolidation
Application Component	FIN-CS (S4HANA Financial Consolidation)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following image is an example of a template, which you fill out to import group journal entries that you want to post to multiple consolidation groups.

Import Group Journal Entries											
Last Updated: Template: 03 Group-Dependent Adjustments											
Header Data							Line Items				
*Journal Entry ID (10)	*Document Type (2)	*Consolidation Chart of Accounts (2)	*Consolidation Version (3)	*Fiscal Year (4)	*Posting Period (3)	*Consolidation Group (18)	Remarks (50)	*Line Item (6)	*Financial Statement Item (10)	SubItem (10)	*Conv
1	32	Man cons adj, no rev (30/M/Y1 Consolidation Chart of Accts	ITS Standard Version - EUR	2020	012	CGD	MultiGroup Posting 1	1	111000	915	S002
1	32	Man cons adj, no rev (30/M/Y1 Consolidation Chart of Accts	ITS Standard Version - EUR	2020	012	CGD	MultiGroup Posting 2	2	171000	915	S002
1	32	Man cons adj, no rev (30/M/Y1 Consolidation Chart of Accts	ITS Standard Version - EUR	2020	012	CGD	MultiGroup Posting 3	3	111000	915	S002
1	32	Man cons adj, no rev (30/M/Y1 Consolidation Chart of Accts	ITS Standard Version - EUR	2020	012	CGD	MultiGroup Posting 4	4	171000	915	S002
1	32	Man cons adj, no rev (30/M/Y1 Consolidation Chart of Accts	ITS Standard Version - EUR	2020	012	CGS	MultiGroup Posting				
1	32	Man cons adj, no rev (30/M/Y1 Consolidation Chart of Accts	ITS Standard Version - EUR	2020	012	CGR	MultiGroup Posting				

Related Information

[Import Group Journal Entries with Multiple Consolidation Groups](#)

[Post Group Journal Entries to Multiple Consolidation Groups](#)

3.6.6.16 Custom Tasks in the Data and Consolidation Monitor

You can now define your own Custom Tasks in the Data and the Consolidation Monitor.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1SG Group Reporting - Financial Consolidation
Application Component	FIN-CS (S4HANA Financial Consolidation)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

To define custom tasks in the Data and Consolidation Monitor you:

1. Define the Customizing activities under ► [SAP S/4HANA for Group Reporting](#) ► [Custom Tasks for Consolidation](#) ► [Custom Task for Data Monitor / Custom Task for Consolidation Monitor](#) ► [Add Custom Task for Data Monitor / Add Custom Task for Consolidation Monitor](#) ►.

2. Then you implement the BAdI [BADI_FINCS_CUST_DATAMON](#) or [BADI_FINCS_CUST_CONSMON](#) for the custom task/s you defined in step 1.

To do so choose in the Customizing ► [SAP S/4HANA for Group Reporting](#) ► [BAdIs for Group Reporting](#) ► [BAdI: Custom Task for Data Monitor / BAdI: Custom Task for Consolidation Monitor](#) ►.

By opening the BAdI (Business Add-In) Documentation tab you can view the BAdI-specific documentation. Then follow the standard steps to implement a BAdI/s for your defined Custom Task/s for Data Monitor and/or Custom Task/s for Consolidation Monitor in the [Custom Logic](#) app based on the [Group Reporting: Journal Entry Item](#) business context.

Related Information

[Custom Tasks in the Data and Consolidation Monitor](#)

3.6.6.17 Application Log in Release of Group Journal Entries

Now, the application log feature is also supported for the release of group journal entries in the data monitor. If an error occurs during the release of a group journal entry, the application log is also displayed in the [Schedule Jobs for Consolidation Tasks](#) app, in the details of the jobs that were run.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1SG Group Reporting - Financial Consolidation
Application Component	FIN-CS (S4HANA Financial Consolidation)
Valid as Of	SAP S/4HANA 2021

Related Information

[Schedule Jobs for Consolidation Tasks](#)

3.6.6.18 CDS View: Group Data Analysis Query of Old and New Reporting Logic

A new CDS view for Group Data Analysis Query of Old and New Reporting Logic, `C_ConsolidationMatrixRpt01Q`, is available.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1SG (Group Reporting - Financial Consolidation)
Application Component	FIN-CS (SAP S/4HANA Financial Consolidation)
Valid as Of	SAP S/4HANA 2021

Additional Details

The CDS view `C_ConsolidationMatrixRpt01Q` provides access to the combined data of old and new reporting logic. If you're using fiscal year periods where some of them belong to the old reporting logic and some to the new reporting logic, then you can use this CDS view.

Constraints

This view does not support the following features, which are typically available in the new reporting logic:

- multiple group currency
- hierarchy elimination logic
- period mode PER

Related Information

[Group Data Analysis Query of Old and New Reporting Logic](#)

3.6.6.19 CDS View: Group Data Analysis Cube of Old and New Reporting Logic

A new CDS view for Group Data Analysis Cube of Old and New Reporting Logic, `I_MatrixCnsltdnReport01C`, is available.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1SG (Group Reporting - Financial Consolidation)
Application Component	FIN-CS (SAP S/4HANA Financial Consolidation)
Valid as Of	SAP S/4HANA 2021

Additional Details

The CDS view `I_MatrixCnsltdnReport01C` provides access to the combined data of old and new reporting logic. If you are using fiscal year periods where some of them belong to the old reporting logic and some to the new reporting logic, then you can use this CDS view. This view uses year-to-date (YTD) mode.

Constraints

This view does not support the following features, which are typically available in the new reporting logic:

- multiple group currency
- hierarchy elimination logic
- period mode PER

Related Information

[Group Data Analysis Cube of Old and New Reporting Logic](#)

3.6.6.20 BAdI: Change Field Values in Reclassification Results

You can now use this BAdI to change certain field values in the results of reclassification. For each input record, also known as a trigger, there are two results:

- One result that is created following the configuration for the source. See the *Src-dest* tab of a rule in the Customizing activity [Define Reclassification Methods](#).
- The result for the destination.

For more information see in the Customizing [SAP S/4HANA for Group Reporting](#) [BAdIs for Group Reporting](#) [BAdI: Change Field Values in Reclassification Results](#)

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1SG Group Reporting - Financial Consolidation
Application Component	FIN-CS (S4HANA Financial Consolidation)
Valid as Of	SAP S/4HANA 2021

3.6.6.21 CDS View: Consolidation Group

A new CDS view for consolidation group, `I_CnsltdtnGroup_3`, is available.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1SG (Group Reporting - Financial Consolidation)
Application Component	FIN-CS (SAP S/4HANA Financial Consolidation)
Available As Of	SAP S/4HANA 2021

Additional Details

This new CDS view does **not** replace the view `I_CnsldtnGroup`, which is also named [Consolidation Group](#).

Unlike `I_CnsldtnGroup`, the new view `I_CnsldtnGroup_3` provides different results depending on the [From Year for New Group Reporting Logic](#), which is maintained in the configuration step [Check Global System Settings](#). If the fiscal year is before this from year, then this view displays consolidation groups defined in the old group reporting logic. If the fiscal year is the same as this from year or after this from year, then this view displays consolidation groups defined in or migrated to the new group reporting logic.

Also, this new CDS view is enabled for data extraction with SAP Business Warehouse, whereas `I_CnsldtnGroup` is not.

Related Information

[Consolidation Group](#)

3.6.7 Central Finance

3.6.7.1 Initial Load for Ledger-Specific Open Items

The open item load now supports ledger-specific postings as part of the standard initial load.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CF-CO (Central Finance)
Available As Of	SAP S/4HANA 2021

Additional Details

Previously, the open item load did not include ledger-specific postings. For these cases, the customer had to implement a project-specific solution.

With this feature, the ledger-specific open items can be loaded as part of the standard initial load.

Effects on Existing Data

The open item load considers ledger-specific open items during the extraction step. Therefore, extractions which were created before the feature was delivered will no longer contain the ledger-specific open items. To extract them as well, repeat the data extraction step of the initial load.

3.6.7.2 Initial Load of Material Cost Estimates

With this feature, you can initiate an initial load of material cost estimates to transfer the material cost estimates from a source system to the Central Finance system.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CF-PCP (<i>Replication: Product Cost Planning</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

After you start the initial load of material cost estimates in SLT, the data will be retrieved from the source system based on the conditions defined in SLT and be transferred to the Central Finance system. The transferred data will be first validated against the transfer rules. Only data that passes the validation will be transferred into the Central Finance system.

To configure transfer rules, go to Customizing of Central Finance (transaction: CFINIMG) under ► [Central Finance: Target System Settings](#) ► [Replication Settings for Cost Estimates](#) ► [Define Rule for Cost Estimate Replication](#) ►.

Related Information

[Initial Load of Material Cost Estimates](#)

3.6.7.3 Intermediate Data Retention - General Availability and Postings in the Future

The Intermediate Data Retention (IDR) approach for the initial load is now generally available.

Customers using IDR as the recording method can already start earlier even though there are postings in one of the future periods.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CF-CO (Central Finance)
Available As Of	SAP S/4HANA 2021

Additional Details

The Intermediate Data Retention (IDR) approach for the initial load is now generally available.

This approach offers an increased level of data quality by recording the raw accounting data and eliminates FI/CO matching issues.

The IDR process can be managed via a central cockpit located in the IMG for Central Finance under ► [Central Finance: Target System Settings](#) ► [Initial Load](#) ► [Initial Load Execution for Financial Accounting](#) ► [Initial Load Execution for Selected Company Codes](#) ► [Manage Intermediate Data Retention](#) ▾.

A deletion report is also available with which to delete the captured raw data and initial load data.

In addition, it is now also possible to activate IDR recording for a period in the future, even if there are already postings in the future. For these postings in the future, the standard initial load approach (with the existing restrictions) is used.

Related Information

[Initial Load with Intermediate Data Retention](#)

3.6.7.4 Account to Ledger Solution

The ledger-based approach for parallel accounting is the standard approach in SAP S/4HANA. This feature provides a simple way in which to support this approach in Central Finance with a straightforward configuration option.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CF-CO (<i>Central Finance</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

This feature makes it possible to connect a source system that uses parallel accounting with accounts to a Central Finance system which uses parallel accounting using ledgers.

In the Customizing activity **Assign Source G/L Accounts to Central Finance Ledger Groups** you configure the relationship between the chart of accounts and G/L account in the source system and the ledger group in the Central Finance system. You can assign a range of source G/L accounts to one target ledger group. Postings for accounts that are not maintained in this activity will not be processed.

As a result of this Customizing, certain ledger-specific postings will only go into one ledger group. This means that the same G/L account can be used in all ledger groups as it shows the relevant values per ledger. This reduces the number of G/L accounts.

Effects on Customizing

A new IMG activity - Assign Source G/L Accounts to Central Finance Ledger Groups - is available to support this feature. You can find this activity under ► [Central Finance: Target System Settings](#) ► [Settings for Accounting Document Replication](#) ►.

Related Information

[Parallel Accounting: Account to Ledger Solution](#)

3.6.7.5 Central Budgeting for Projects

This feature enables you to run [Central Budgeting for Projects](#) in a Central Finance scenario. [Central Budgeting for Projects](#) is allowing a centralized approach to managing budget in a Central Finance system while the budget is typically consumed in a process carried out in a source system.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CF-CO (Central Finance)
Available As Of	SAP S/4HANA 2021

Additional Details

You are using a Central Finance scenario which means you are running a system landscape which typically consists of several source systems, for example SAP ERP, connected to one Central Finance (SAP S/4HANA) system. [Central Budgeting for Projects](#) allows you to manage budget centrally in the Central Finance system while the budget is consumed in the processes carried out in the source systems. With [Central Budgeting for Projects](#) a remote budget check from a source system to the Central Finance system is active during the posting process in the source systems. This remote budget check considers the Customizing settings made in the Central Finance system for the budget profile and tolerance limits for availability control. Please be aware that you need to perform Customizing settings both in the source system and the Central Finance system to enable the budget check to run. For more information, please read [Central Budgeting for Projects](#).

i Note

- For the source system: *Central Budgeting for Projects* is available for source systems running on SAP ERP 6.0 or higher. To be able to use it you need to implement SAP Note [3025235](#) in your source system.
- For the Central Finance system: *Central Budgeting for Projects* is available for Central Finance systems running on SAP S/4HANA 2021 or higher.


Effects on Existing Data


- Budget data which have already been created in the source system will **not** be considered anymore after you have activated *Central Budgeting for Projects*. You do this by performing the *Settings for Projects* Customizing activity.
- The availability control in the source system is inactive after you have activated *Central Budgeting for Projects*.
- If you change the project hierarchy in the source system it will be checked during the replication to the Central Finance system if the changed WBS element has the *Availability control active* (AVAC) or *Budgeted* (BUDG) status in the Central Finance system. In this case the change of the project hierarchy will **not** be replicated to the Central Finance system and an error is raised in SAP AIF.

Effects on Customizing

For *Central Budgeting for Projects* a Customizing activity has been enhanced and a new Customizing activity is available in Customizing for Central Finance. You can access Customizing using transaction **SPRO** or transaction **CFINIMG** which leads you directly to the settings for Central Finance.

- **Customizing in Source System**

IMG (Implementation Guide) Path: **Financial Accounting** > **Central Finance** > **Central Finance: Source System Settings** 

- **Set up Connection to Central Finance System** > **Maintain RFC Assignments and Settings for the Central Finance System** 

You perform this activity to create an RFC destination in the source system for *Central Budgeting for Projects*.

- **Settings for Central Budgeting** > **Settings for Projects** 

You perform this activity to define the combinations of company codes and project profiles for which you want to enable *Central Budgeting for Projects*.

- **Customizing in Central Finance System**

The following Customizing for **your Central Finance system** has been enhanced:

Central Finance: Target System Settings > **Central Budgeting** > **Settings for Projects** 

You perform this activity to define the combinations of company codes and project profiles for which you want to enable *Central Budgeting for Projects*.

Related Information

[Central Budgeting for Projects](#)

3.6.7.6 SD Down Payment Status Transfer

With this feature, your Central Finance system can remotely update the down payment status in certain SD documents (both sales orders and sales contracts) in your Cloud source system when a down payment is posted or reset in the Central Finance system.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CF-APR (Central Payment)
Valid as Of	SAP S/4HANA 2021 for the Central Finance system SAP S/4HANA Cloud 2108 for cloud source systems or SAP S/4HANA 2021 for on-premise source systems

Effects on Customizing

A Customizing activity is available for you to switch on the SD down payment status transfer for a specific source logical system. (IMG Path: in transaction `CFINIMG`, under ► [Central Finance: Target System Settings](#) ► [Central Payment](#) ► [Central Payment Feature Toggles](#) ►)

Related Information

[SD Down Payment Status Transfer](#)

3.6.7.7 SEPA Replication from Cloud Source System to Central Finance

With this feature, SEPA mandates can be replicated from the SAP S/4HANA Cloud source system to the Central Finance system and then be used there for Central Payment. The usage data in the Central Finance system can also be transferred back to the SAP S/4HANA Cloud source system after payment.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	19M (Direct Debit) 1W4 (Subsidiary Integration of SAP S/4HANA Cloud to Central Finance)
Application Component	FI-CF-APR (Central Payment)
Valid as Of	SAP S/4HANA 2021 for the Central Finance system SAP S/4HANA Cloud 2108 for the source system

Related Information

[Replicating SEPA Mandate from SAP S/4HANA Cloud System to Central Finance](#)

3.6.7.8 Cross-System Navigation

With this feature, you can navigate from any Fiori app running on your source or Central Finance system via a smart link in a journal entry (semantic object `AccountingDocument`), to the [Manage Journal Entries](#) app on the other system. You can also navigate from a Central Finance document displayed in the [Related Documents](#) tab of [Manage Journal Entries](#) app on your Central Finance system to the corresponding source documents.

Technical Details

Type	New
------	-----

Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CF-INF (Cross-System Navigation)
Valid as Of	<p>SAP S/4HANA 2021 for the Central Finance system</p> <p>SAP S/4HANA 2021 or SAP S/4HANA Cloud 2105 for the source system (smart link navigation)</p> <p>No requirement for the source system release (related document navigation)</p>

Related Information

[Cross-System Navigation](#)

3.6.7.9 SAP AIF Improvements - Recipient Handling

With this feature, users can define their own message categories and assign them to recipients.

Previously, the AIF recipient was assigned to the accounting interfaces. Therefore, all error messages were assigned to this one recipient. For the user it was not clear which messages were relevant for them.

It is now possible to assign the message category based on the logical system and company code to different recipients.

The following interfaces in the Central Finance namespace /FINCF are supported:

- AC_DOC version 2
- AC_DOC_EX version 2
- AC_DOC_CHG version 2
- AC_CHG_EX version 1

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	FI-CF-CO (<i>Central Finance</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

For each of the interfaces above, you define the recipient to which messages should be distributed. The AIF recipient that is assigned to a user determines which messages the user sees in the interface monitor and for which messages the user receives alerts.

You can differentiate based on message category. For example, you can define that a particular recipient should receive messages relating to one type of category (for example, mapping) for interface AC_DOC version 2 but messages relating to another message category (for example, technical messages) are distributed to a different recipient.

Note that the same error message can be assigned to more than one message category.

In addition to recipient and message category, you can define that messages are also distributed according to the source logical system and source company code from which they originate.

Making settings in this activity allows you to distribute AIF messages in a targeted manner, so that they are only received by those users for whom they are relevant.

Effects on Existing Data

The configuration of the recipient handling is only used for new AIF messages. Existing ones are assigned to the recipient configured for the accounting interface.

Effects on Customizing

A new IMG activity **Assign AIF Recipients to Accounting Interfaces** has been created, in which you can make the relevant settings. You can find this activity under ► *Central Finance* ► *Central Finance Target System Settings* ► *Settings for Accounting Document Replication* ►.

3.6.7.10 Fiori App: Manage Pending Journal Entries

Using the app **Manage Pending Journal Entries**, you can display journal entries that have not yet been successfully posted to your Central Finance system and see the financial impact of the documents. You can choose to group the documents by company code and see totals in company code currency or by group currency. You can navigate to the journal entry in question and decide how to proceed.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CF-CO (<i>Central Finance</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

With this app, you can display pending journal entries in a central worklist and navigate to the details of the specific pending journal entry, for example the error messages and the line items of the documents.

To use this app the business role `SAP_BR_GL_ACCOUNTANT` has to be assigned to the user.

The tile belongs to the section **Period Activities for General Ledger**.

Related Information

3.6.7.11 Third-Party System Interface: Replicating Withholding Tax Information at Payment

This feature enables the replication of withholding tax information at time of payment via the third-party system interface. It allows you to move your withholding tax reporting to the Central Finance system and enables you to activate Central Payment for countries where the withholding tax process is required. This feature is based on and is only supported for *Extended Withholding Tax*.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	Not applicable
Application Component	FI-CF-EX (<i>Central Finance - External Interface non-sap systems</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

Withholding tax is an income tax where the payer of the income is entitled to withhold or deduct the tax from the payment and pay the tax to the tax authority on behalf of the receiver of the income. There are two categories of withholding tax depending on when the tax is due and the tax amount is posted to the withholding tax account: withholding tax at invoice and withholding tax at payment.

In the third-party system scenario of Central Finance you are running a system landscape where one or more third-party source systems are connected to one Central Finance (SAP S/4HANA) system. Together with the financial accounting documents, the withholding tax information is replicated from a third-party source system via the third-party system interface to the Central Finance system. Depending on whether the replicated withholding tax information is complete, the withholding tax calculated in the source system is posted in the Central Finance system or the withholding tax is recalculated in the Central Finance system.

Effects on Customizing

The Customizing, such as the withholding tax types/codes and the withholding tax accounts, in both the third-party source system and the Central Finance system need to be semantically identical for the scenario to function. For the third-party system interface there is **no** additional Customizing necessary for withholding tax at time of payment.

Related Information

[Replicating Withholding Tax Information](#)
[Installing Financial Data Structures on SAP LT Replication Server](#)

3.6.7.12 Central Payment with Third-Party Source System

With this feature, you can activate Central Payment for third-party source systems on company code level. After activation, the third-party source system interface will control the replication of documents from third-party source systems for the activated company code or company codes, so that payments and clearings can only be made in the Central Finance system.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CF-APR (Central Payment)
Valid as Of	SAP S/4HANA 2021

Effects on Existing Data

If you have activated Central Payment in lower releases and do not want to reactivate Central Payment, you can still carry out payment or clearing in the Central Finance system, but double payment cannot be technically avoided. The clearing status check of the reversal is also not available. Make sure that the payments are only being made in the Central Finance system and prevent payments from taking place in the third-party source system.

Effects on Customizing

A Customizing activity *Activate Central Payment for Third-Party Source Systems* is available in the Central Finance system. With this activity, you can choose to activate Central Payment for all or individual company codes of a third-party source system. (IMG Path: In transaction `CFINIMG`, go to ► [Central Finance: Target System Settings](#) ► [Central Payment](#) ►.)

Related Information

[Central Payment with Third-Party Source System](#)

3.6.7.13 AVL with Third-Party Source System

With this feature, you can replicate the Accounting View of logistics information (AVL) including AVL sales documents (service orders, orders, returns, orders without charge, credit memo requests, debit memo requests), customer invoices, purchase orders, and supplier invoices from a third-party source system to the Central Finance system using SLT or OData Services V4.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CF-AVL (Accounting View of Logistics Information)
Valid as Of	SAP S/4HANA 2021

Additional Details

With SLT, AVL data and changes from third-party source systems can be continuously replicated to the SAP S/4HANA Central Finance system.

With OData Services V4, AVL sales documents, customer invoices, supplier invoices, and purchase orders from third-party source systems can be created, updated or deleted in the SAP S/4HANA Central Finance system as required using API calls. Four API services are available:

- Central Finance Sales Document (Replicated)
- Central Finance Customer Invoice (Replicated)
- Central Finance Supplier Invoice (Replicated)
- Central Finance Purchase Order (Replicated)

Related Information

[AVL with Third-Party Source System](#)

3.6.7.14 IMG Target System Settings

The Central Finance: Target System Settings section of the IMG has been restructured for reasons of clarity.

Technical Details

Type	Changed
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Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CF-CO (<i>Central Finance</i>)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

A number of activities that were previously grouped under ► *Central Finance: Target System Settings* ► *Set Up Systems* ► have been moved.

- The following activities can now be found under ► *Central Finance: Target System Settings* ► *Basic Settings* ►
 - **Activate Business Function**
 - **Configure Error Handling**
 - The following activities can now be found under ► *Central Finance: Target System Settings* ► *Settings for Accounting Document Replication* ►:
 - **Activate Tax Consistency Check for Company Codes**
 - **Define Handling of Reconciliation Accounts per Company Code**
 - **Substitute Original Document Type in Central Finance System**
- In addition, this section also contains two new activities:
- **Assign Source G/L Accounts to Central Finance Ledger Groups**
 - **Assign AIF Recipients to Accounting Interfaces**

3.6.7.15 Extended Selection in Configuration Consistency Check Report

When using *Configuration Consistency Check* report, you can add an extra navigation node for customized validations in the *Application Log* of the output screen, with which you can locate and check specific validation results more easily and quickly.

Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	Not applicable
Application Component	FI-CF-INF (Configuration Consistency Check Report)
Valid as Of	SAP S/4HANA 2021

Additional Details

If a validation is relevant to the organization, you can define the *Attribute for Error Message Variable 1* as an organization-relevant value, such as Company Code, Controlling Area. The organizational value will be added as an attribute in the left navigation tree of the *Application Log*. You do this in Customizing activity *Manage Validations*. (IMG Path: in transaction `CFINIMG` under [► Central Finance: Target System Settings ► Configuration Consistency Check ► Customer-Defined Validations ►](#))

Related Information

[Customer-Defined Validations](#)

3.6.7.16 Advanced Compliance Reporting: Additional Country-/Region-Specific Reports

For statutory reporting, the country-/region-specific reports from Advanced Compliance Reporting which are listed below in the table in the [Additional Details](#) section are additionally available in a Central Finance scenario.

Technical Details

Type	New
Functional Localization	Localized for the countries/regions listed
Scope Item	Not applicable
Application Component	FI-CF (Central Finance)
Valid as Of	SAP S/4HANA 2021

Additional Details

For a complete list of statutory reports supported in a country/region in the Central Finance scenario, see [here](#).

Country/Region-Specific Statutory Reports in Central Finance

Country/Region	Name of Statutory Report
Australia	Australia Payment Time Reporting (PTR)
Belgium	Belgium Declaration for VAT Units
Indonesia	Indonesia VAT In (Company Code Level)
Indonesia	Indonesia VAT Out (Company Code Level)
Indonesia	Indonesia VAT Imports (Company Code Level)
Indonesia	Indonesia VAT Exports (Company Code Level)
Indonesia	Indonesia VAT Exports (Business Place Level)
Indonesia	Indonesia VAT Imports (Business Place Level)
Indonesia	Indonesia VAT In (Business Place Level)
Indonesia	Indonesia VAT Out (Business Place Level)
Israel	Israel Withholding Tax Declaration 856
Luxembourg	Luxembourg Periodic VAT Return
Norway	Norway SAF-T Reporting
Poland	Poland Withholding Tax declaration - IFT2R
Poland	Poland Withholding Tax declaration - IFT2
Poland	Poland Withholding Tax declaration - CIT_10Z
Qatar	Qatar Withholding tax Supplier Certificates
Qatar	Qatar Withholding Tax Return - Form 2-1
Singapore	Singapore GST Return Submission
South Africa	South Africa Cash Flow Statement
South Korea	South Korea Zero Tax Rate Sales Statement
USA	USA Withholding Tax - 1042 S
USA	USA Withholding Tax - 1099 G

Country/Region	Name of Statutory Report
USA	USA Withholding Tax - 1099 INT
USA	USA Withholding Tax - 1099 K
USA	USA Withholding Tax - 1099 MISC
USA	USA Withholding Tax Report - 1099 NEC

Related Information

[Advanced Compliance Reporting: Country-/Region-Specific Reports in Central Finance](#)

3.6.8 Advanced Compliance Reporting

With this release, the [Run Compliance Reports](#) app and the [Define Compliance Reports](#) app were enhanced.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	Run Compliance Reports app: FI-LOC-SRF-RUN Define Compliance Reports app: FI-LOC-SRF-DEF
Available As Of	SAP S/4HANA 2021

Additional Details

The following features are available for SAP S/4HANA for advanced compliance reporting:

- **Standard Functions as a Data Source**

You can use class method as a query source to create your own queries in [Define Compliance Reports](#) app. We recommend that you use [Class Method](#) instead of [BRFplus Function](#) as query source. While creating the query, choose the required class, method, and message parameter. You can access data in chunks using the limit and offset importing parameters.

- **Managing Fraction Digits**

You can modify the currency fields in you report and control the number of decimals displayed during report generation using the field [Number of Decimals for Currency Amounts](#). The default number of decimals are taken from the data source initially, which can later be modified as required. Based on the adjustment done, during preview, the values are validated against the data already given during preview. The ability to customize fraction digits are enabled only for CDS, ABAP Dictionary, or query-based documents.

- **Enabling Schema changes**

You can now easily view the selected CDS fields during schema creation in the [CDS Field Selection](#) dialog. Additionally, you can view the selected fields while editing the schema as well.

- **Enabling Activity Group for Activities**

You can categorize similar reporting activities into a single group based on their functions. Assigning reporting activities into groups help when you want to perform some additional actions, such as identifying a specific reporting activity based on the group they are allotted to. The activity group value assigned to the reporting activity group will be available in the [Run Compliance Reports](#) app and based on this value, appropriate business checks can be processed.

- **New Organizational Units**

Two new organizational units [Profit Center](#) and [Segment](#) are introduced in SAP S/4HANA. These new options can also be used as organizational units while defining report category in place of [Business Area](#).

- **New Statuses for Documents**

The [Document Status](#) column is enhanced with two new statuses such as [In Process \(Editing\)](#) and [In Process \(Regeneration\)](#). [In Process \(Editing\)](#) status appears when the document is saved with manual changes and [In Process \(Regeneration\)](#) status appears when the document is being regenerated.

- **New Event 0015**

You can use this event to modify the messages in [Reported Items Log](#) and query any data source and perform validations. You can implement this event through the interface `IF_SRF_EVENT_REPOER_RUN_LOG`.

- **Migration Report**

Migrate the existing configuration parameters using the migration report `SRF_CFG_PARAM_MIGRATION` to ensure they are usable across any report definition.

3.6.9 Contract and Lease Management

3.6.9.1 New App: Contract Management

With this app you can manage many aspects of your contract portfolio. You can search and filter for existing contracts, create new contracts, and edit contracts. For each contract, you can edit information such as general information, term, partners, objects, conditions, posting parameters, reminders, and more.

Technical Details

Type	New
------	-----

Functional Localization	Not applicable
Scope Item	1T6 (Lease-In Accounting), 21P (Lease-In Accounting - Group Ledger IFRS), 21Q (Lease-Out Accounting), 21R (Service Contract), 209 (Intercompany Process for Sublease Accounting), 2SA (Lease-Out for Sublease Accounting - Group Ledger IFRS), 2SB (Lease-Out for Sublease Accounting), 34N (Lease-In Accounting - Group Ledger US GAAP), 34O (Lease-Out for Sublease Accounting - Group Ledger US GAAP)
Application Component	RE-FX-FIO ()
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

This app is the successor of the Contract Management app. The Contract Management app is deprecated and will be deleted from the SAP Fiori launchpad as of SAP S/4HANA 2022. The deprecated app may no longer be available by default on the SAP Fiori launchpad. In this case, you can find it in the app finder until it is deleted. We recommend that you switch to the successor app as soon as possible.

Effects on Data Transfer

Effects on System Administration

Effects on Customizing

3.6.9.2 New App: Contract Cash Flow

With this app, you can display the detailed cash flow for contracts that have a cash flow enabled.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1T6 (Lease-In Accounting), 21P (Lease-In Accounting - Group Ledger IFRS), 21Q (Lease-Out Accounting), 21R (Service Contract), 209 (Intercompany Process for Sublease Accounting), 2SA (Lease-Out for Sublease Accounting - Group Ledger IFRS), 2SB (Lease-Out for Sublease Accounting), 34N (Lease-In Accounting - Group Ledger US GAAP), 34O (Lease-Out for Sublease Accounting - Group Ledger US GAAP)
Application Component	RE-FX-FIO ()
Available As Of	SAP S/4HANA 2021

Additional Details

3.6.9.3 Deprecated App: Contract Management

The Contract Management app has been deprecated and will be removed from the launchpad.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	1T6 (Lease-In Accounting), 21P (Lease-In Accounting - Group Ledger IFRS), 21Q (Lease-Out Accounting), 21R (Service Contract), 209 (Intercompany Process for Sublease Accounting), 2SA (Lease-Out for Sublease Accounting - Group Ledger IFRS), 2SB (Lease-Out for Sublease Accounting), 34N (Lease-In Accounting - Group Ledger US GAAP), 34O (Lease-Out for Sublease Accounting - Group Ledger US GAAP)

Application Component	RE-FX-FIO
Valid as Of	SAP S/4HANA 2021

3.7 Treasury Management

3.7.1 Cash and Liquidity Management

3.7.1.1 Manage Bank Account Balances

With this app, you can view bank account balances updated by imported end-of-day bank statements. You can also manually enter or import balances for bank accounts.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J77 (Advanced Bank Account Management)
Application Component	FIN-FSCM-CLM-BAM (Bank Account Management)
Available As Of	SAP S/4HANA 2021

Related Information

[Manage Bank Account Balances](#)

[Cash Positioning Based on Bank Account Balances](#)

3.7.1.2 Monitor Bank Account Balances

With this app, you can monitor whether bank account balances have been updated in time for your bank accounts.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J77 (Advanced Bank Account Management)
Application Component	FIN-FSCM-CLM-BAM (Bank Account Management)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

Before you use this app, make sure you have defined the following attributes for the bank accounts you want to monitor on the [Bank Relationship](#) tab of the [Manage Bank Accounts](#) app:

- [Interval](#) and [Interval Unit](#): Together, the two attributes define the frequency of the expected bank account balance update, for example, one day or two weeks.
- [Factory Calendar ID](#) (optional): You can specify a factory calendar if you want to take it into consideration.

Related Information

[Monitor Bank Account Balances](#)

3.7.1.3 Define Bank Account Settings - Bank Statements

With this app, you define settings for integrating end-of-day electronic bank statements with cash management for individual bank accounts.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BFA (Basic Bank Account Management)

Application Component	FIN-FSCM-CLM-BAM (Bank Account Management)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

You can retrieve settings defined for company codes by choosing the [Retrieve Default Settings](#) button.

Settings for company codes are defined in the new Customizing activity [Integrate with End-of-Day Bank Statements](#). You can find it in the Customizing under ► [Financial Supply Chain Management](#) ► [Cash and Liquidity Management](#) ► [Bank Account Management](#) ►.

Related Information

[Define Bank Account Settings - Bank Statements](#)

3.7.1.4 Bank Account Contract Types

A new attribute [Bank Account Contract Type](#) has been introduced in the bank account master data. You can view this attribute in the [Manage Bank Accounts](#) app. By enabling this feature, you can use predefined bank account contract types to classify your bank accounts and get various configuration options for customizing your bank account master data and bank account management processes.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J77 (Advanced Bank Account Management)
Application Component	FIN-FSCM-CLM-BAM (Bank Account Management)
Available As Of	SAP S/4HANA 2021

Additional Details

In addition to the attribute [Account Type](#), you can now use the new attribute [Contract Type](#) to classify different types of bank account based on your contract category with the financial service provider. Unlike account types, which can be defined freely by users, contract types are predefined by SAP.

A Customizing option for enabling the bank account contract type has been introduced in the Customizing activity [Define Basic Settings](#). With this option, you can decide whether you want to use features related to the contract type.

- If you do not want to use the bank account contract type feature, leave the [Enable Bank Account Contract Types](#) indicator deselected.
You can see that all bank accounts are assigned with the bank account contract type [Current Account](#), but there is nothing that you need to do.
- If you want to enable the bank account contract type feature, set the [Enable Bank Account Contract Types](#) indicator.
You can then use the following predefined bank account contract types and customize your bank account master data and bank account management processes using this attribute:
 - [Current Account](#): Bank accounts that are held by banks. They are used for making and receiving payments and money transfers.
 - [Technical Account](#): Bank accounts that belong to a bank with the category [Technical Bank](#). Technical banks are usually pseudo-banks created for internal payment processes.
 - [Payment Service Provider Account](#) : Bank accounts that belong to a bank with the category [Payment Service Provider](#).
 - [Others](#): Bank accounts with other types of contract.

Effects on Existing Data

With this release, the bank account contract type becomes one of the parameters that form the logical key of a bank account.

- Technical bank accounts: company code + house bank + house bank account ID
- Bank accounts with the bank country/region defined as Japan: bank account contract type + bank control key + bank account number + bank country + bank key + currency
- Other bank accounts: bank account contract type + bank account number + bank country + bank key + currency

Effects on Data Transfer

Since the bank account contract type has been used as one of the parameters that form the logical key of a bank account, we do not recommend that you replicate bank accounts from SAP S/4HANA 2108 and above to lower versions because bank account contract types are not supported in lower versions.

For more information, see [Data Replication](#).

If you have enabled the bank account contract type feature, in the [Migrate House Bank Accounts](#) program (transaction code `FCLM_BAM_MIGRATION`), you can see the [Contract Type](#) attribute. By assigning account

types to house bank accounts before the migration, the contract types are automatically filled according to the defined settings in the Customizing activity [Define Settings for Bank Account Master Data](#).

Effects on System Administration

After you have enabled the bank account contract type, please run a health check for your bank account master data. This helps ensure that your bank account master data is correct and valid after the new attribute is added.

It's also recommended that you run the health check each time after you have made changes to the contract type assignment for account types. It helps you ensure that bank account logical keys are not duplicate due to the change of the contract type assignment.

To do so, in the [Health Check Program of Cash Management](#) program (transaction code `FCLM_HC_FREE`), create a job with the [Bank Accounts](#) checkpoint selected.

Effects on Customizing

After you have enabled the bank account contract types, configure the following settings in Customizing. For details, see the implementation guide of the Customizing activities.

- (Required) In the Customizing activity [Define Settings for Bank Account Master Data](#), assign bank account types to contract types.
- (Optional) In the Customizing activity [Define Settings for Bank Account Contract Types](#), define what statuses are relevant in the bank account lifecycle, how bank accounts are activated in each status, and what UI tabs are visible in the bank account master data for a certain type of bank account. You can use this Customizing activity to define different closing processes for different types of bank account. For more information, see [Closing Processes Based on Bank Account Contract Types](#).
- (Optional) In the Customizing activity [Manage Field Status Groups](#), define field statuses for UI screens of the [Manage Bank Accounts](#) app based on bank account contract types.

3.7.1.5 Closing Process for Bank Accounts

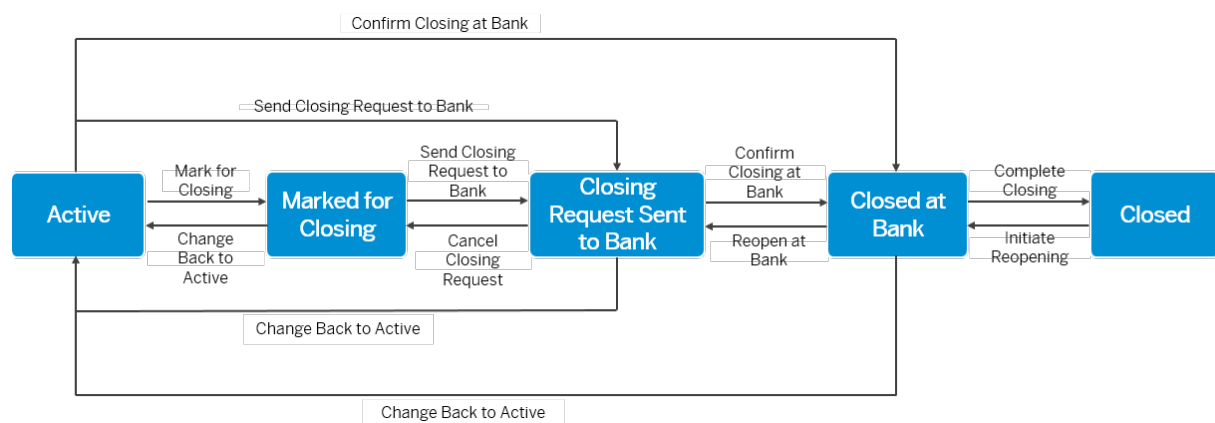
The standard closing process for bank accounts has been enhanced with a new status [Marked for Closing](#). You can now set a bank account to this status using the [Mark for Closing](#) button. With the new attribute **bank account contract type**, you can customize the closing process for bank accounts based on bank account contract types.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BFA (Basic Bank Account Management)
Application Component	FIN-FSCM-CLM-BAM (<i>Bank Account Management</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The diagram below explains the new process flow and the possible steps in each stage:



You can now customize the closing process for bank accounts using bank account contract types. For more information, see [Bank Account Contract Types \[page 233\]](#).

Effects on Existing Data

Bank accounts with the *Marked for Closing* status can still be viewed or processed in the following apps:

- [Review Bank Accounts](#): Review bank accounts with this status.
- [Maintain Payment Approver - For Multiple Bank Accounts](#): Update payment approvers for bank accounts with this status.
- [Import Bank Fees](#): Import bank fee data for bank accounts with this status.
- [Monitor Bank Fees](#): Monitor bank fee import status for bank accounts with this status.
- [Bank Statement Monitor - Intraday](#): Monitor the import of intraday bank statements for bank accounts with this status.
- [Bank Statement Monitor - End-of-Day](#): Monitor the import of end-of-day bank statements for bank accounts with this status.

- [Manage Bank Account Balances](#): Enter or import bank account balances for bank accounts with this status.
- [Monitor Bank Account Balances](#): Monitor bank account balances for bank accounts with this status.
- Importing bank accounts and replicating bank accounts: Import or replicate bank accounts with this status.

Related Information

[Closing Bank Accounts](#)

[Closing Processes Based on Bank Account Contract Types](#)

3.7.1.6 Submit Bank Account Applications

With this app, you can submit an application to request a new bank account and track the status of your application.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J77 (Advanced Bank Account Management)
Application Component	FIN-FSCM-CLM-BAM (Bank Account Management)
Available As Of	SAP S/4HANA 2021

Additional Details

After a bank account application is submitted, authorized users can approve or reject the application in the [Approve Bank Account Applications](#) app.

For more information, see [Approve Bank Account Applications](#).

Effects on System Administration

To use this app, you must be assigned a business role that contains the business catalog [Cash Management - Submit Bank Account Applications](#) (SAP_FIN_BC_CM_BAA_SUBMIT_PC).

Effects on Customizing

SAP has predefined a set of email notification templates to notify applicants and approvers about the status changes in the bank account application process. You can configure these templates if needed.

For more information, see [Email Notification Templates](#).

Related Information

[Submit Bank Account Applications](#)
[Approve Bank Account Applications](#)
[Bank Account Applications](#)

3.7.1.7 Approve Bank Account Applications

With this app, you can view the applications you have received requesting new bank accounts. You can approve or reject the bank account applications.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J77 (Advanced Bank Account Management)
Application Component	FIN-FSCM-CLM-BAM (Bank Account Management)
Available As Of	SAP S/4HANA 2021

Additional Details

Once a bank account application is approved, the system automatically creates an inactive bank account according to information specified in the application.

To activate the bank account, you can find the approved bank account application in the [Bank Account Applications](#) app, and then choose the link of the bank account [Technical ID](#) to navigate to the [Manage Bank Accounts](#) app to add necessary information and activate the bank account.

Effects on System Administration

To use this app, you must be assigned a business role that contains the business catalog [Cash Management - Approve Bank Account Applications](#) (SAP_FIN_BC_CM_BAA_APPROVE_PC).

Effects on Customizing

SAP has predefined a set of email notification templates to notify applicants and approvers about status changes in the bank account application process. You can configure these templates if needed.

For more information, see [Email Notification Templates](#).

Related Information

[Submit Bank Account Applications](#)
[Approve Bank Account Applications](#)
[Bank Account Applications](#)

3.7.1.8 Bank Account Applications

With this app, you can check bank account applications in different statuses. You can also activate bank accounts created for approved applications.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J77 (Advanced Bank Account Management)
Application Component	FIN-FSCM-CLM-BAM (Bank Account Management)
Available As Of	SAP S/4HANA 2021

Effects on System Administration

To use this app, you must be assigned a business role that contains the business catalog [Cash Management - Submit Bank Account Applications](#) (SAP_FIN_BC_CM_BAA_SUBMIT_PC).

Effects on Customizing

SAP has predefined a set of email notification templates to notify applicants and approvers about the status changes in the bank account application process. You can configure these templates if needed.

For more information, see [Email Notification Templates](#).

Related Information

[Submit Bank Account Applications](#)
[Approve Bank Account Applications](#)
[Bank Account Applications](#)

3.7.1.9 Field Status Groups Supported in Flexible Workflows for Bank Accounts

You can now use field status groups defined in the Customizing activity [Manage Field Status Groups](#) in flexible workflows for bank accounts. In the [Manage Workflows - For Bank Accounts](#) app, you can set field status groups to control what fields can be displayed and what fields can be edited in each workflow step.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J77 (Advanced Bank Account Management)
Application Component	FIN-FSCM-CLM-BAM (Bank Account Management)
Available As Of	SAP S/4HANA 2021

Additional Details

In the [Manage Workflows - For Bank Accounts](#) app, you can assign a field status group for the display mode and the edit mode respectively for each workflow step. You assign the field status groups under [Step Properties](#) for the following fields:

- [Field Status Group - Edit](#): Specify a field status group for the edit mode of the workflow step
- [Field Status Group - Display](#): Specify a field status group for the display mode of the workflow step

Effects on Customizing

You define the field status groups in the Customizing activity [Manage Field Status Groups](#). You can find it in Customizing under ► [Financial Supply Chain Management](#) ► [Cash and Liquidity Management](#) ► [Bank Account Management](#) ► [Basic Settings](#) ►.

Apart from this configuration step, you can also use the BAdI [Field Statuses and Field Checks](#) to control the field statuses in workflow processes. Please note that the settings defined in the Customizing activity [Manage Field Status Groups](#) overrides the implementation in this BAdI.

Related Information

[Defining Your Own Workflows](#)

3.7.1.10 Situation Template: House Bank Account to Be Checked

The situation template `FIN_CLOSEDACCOUNTINPAYCONFIG` ([House Bank Account to Be Checked](#)) is now deprecated. You don't need to use this situation template any more because validation checks have been added for house bank accounts when their linked bank accounts are to be closed in the last step [Complete Closing](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BFA (Basic Bank Account Management)

Application Component	FIN-FSCM-CLM-BAM (Bank Account Management)
Available As Of	SAP S/4HANA 2021

Related Information

[Situation Template: House Bank Account to Be Checked \(Deprecated\)](#)

3.7.1.11 Application Logs for Bank Account Management

You can now check application logs for changes related to bank account master data in the transaction `SLG1`.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J77 (Advanced Bank Account Management)
Application Component	FIN-FSCM-CLM-BAM (Bank Account Management)
Available As Of	SAP S/4HANA 2021

The following application logs are provided:

Function	Object	Subobject
Importing bank accounts	BAM_UPLOAD	
Migration for bank control keys	BAM_MIGRATE	CONTROL_KEY
Migration for bank account master data	BAM_MIGRATE	MASTER_DATA
Background processing of payment approver in multiple bank accounts	FCLM_BAM	MASS_CHG_SIG
Importing bank fees	FCLM_BAM	IMPORT_BANK_FEE

3.7.1.12 Health Check for Bank Accounts

A checkpoint [Bank Accounts](#) has been added to the [Health Check Program of Cash Management](#) (transaction `FCLM_HC_FREE`). The checkpoint has also been added to the Customizing activity [Assign Checkpoints to](#)

[Profiles](#). The new checkpoint for bank accounts helps you examine your bank account master data to find duplicate or invalid bank accounts.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BFB (Basic Cash Operations)
Application Component	FIN-FSCM-CLM-COP (Cash Operations)
Available As Of	SAP S/4HANA 2021

Additional Details

You can use the following transactions to perform a health check for bank account master data:

- FCLM_HC_FREE : To perform a health check on bank accounts, select the [Bank Accounts](#) checkpoint under the [Master Data](#) section.
- FCLM_HEALTH_CHECK: To perform a health check on bank accounts, select a profile that contains the checkpoint 8 ([Bank Accounts in Master Data](#)).
To assign the checkpoint to a profile, you can do so in the Customizing activity [Assign Checkpoints to Profiles](#) under ► [Financial Supply Chain Management](#) ► [Cash and Liquidity Management](#) ► [Cash Management](#) ► [Health Checks](#) ►.

3.7.1.13 Deprecated App: Track Bank Transfers

The [Track Bank Transfers](#) app has been deprecated and will be deleted from the SAP Fiori launchpad as of SAP S/4HANA 2022. The deprecated app may no longer be available by default on the SAP Fiori launchpad. In this case, you can find it in the app finder until it is deleted. We recommend that you switch to the successor app [Monitor Payments](#) as soon as possible.

Technical Details

Type	Deprecated
------	------------

Functional Localization	Not applicable
Scope Item	J78 (Advanced Cash Operations)
Application Component	FIN-FSCM-CLM-COP (<i>Cash Operations</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Monitor Payments](#)

3.7.1.14 Enhancements for Manage Cash Concentration

The *Manage Cash Concentration* app has been enhanced with fields for payment instruction keys. In addition, you can define a reference text for cash pool subaccounts. The **concentration status** is no longer used to indicate whether payment requests have been created. Instead, a new indicator *Payment Request Is Created* has been added to show whether any payment request has been created for a cash concentration.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J78 (Advanced Cash Operations)
Application Component	FIN-FSCM-CLM-COP (<i>Cash Operations</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The following enhancements have been made to this app:

- The *Payment Instruction Key* fields: The instructions in the payment transactions are used to give the banks details on how to carry out the payment orders. Payment instruction keys are also required in payment regulatory reporting.
With the instruction key fields, cash managers can specify payment instruction information while creating bank transfers. The information will be contained in the payment medium and passed to the banks. These

fields can be used in countries such as Germany, Austria, the Netherlands, Spain, Norway, Finland, and Japan, as well as for the international SWIFT format MT100.

- The [Reference Text](#) field for cash pool subaccounts: The reference text will appear with the subaccounts in cash concentration and payment processes. To define a reference text, in the [Manage Bank Accounts](#) app, go to the [Cash Pool](#) tab. You can define a reference text for cash pool subaccounts.
- The [Cash Concentration Status](#) can now have the following statuses:
 - [Error](#): The cash concentration has failed.
 - [Success](#): The cash concentration has been successfully performed.
 - [Partial Success](#): Some of the bank account transfers are not created successfully for this cash concentration.
 - [Payment Request Created \(Deprecated\)](#): This status is deprecated and no longer relevant. Please use the [Payment Request Is Created](#) indicator to check if payment requests have been created.

Effects on Existing Data

The new status [Payment Request Is Created](#) and the enhanced [Cash Concentration Status](#) are also shown in existing cash concentration data.

Related Information

[Manage Cash Concentration](#)

3.7.1.15 Restore Deleted Cash Pools

You can now restore a deleted cash pool in the [Manage Cash Pools](#) app using the [Restore](#) button. The cash pool status is then changed from the [Deleted](#) to [In Use](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J78 (Advanced Cash Operations)
Application Component	FIN-FSCM-CLM-COP (Cash Operations)
Available As Of	SAP S/4HANA 2021

Related Information

[Manage Cash Pools](#)

3.7.1.16 Reconcile Cash Flows - Intraday Memo Records

You can now reconcile memo records with forecasted cash flows from classic cash management systems with the certainty level `CMIDOC` in the [Reconcile Cash Flows - Intraday Memo Records](#) app and the transaction `FCLM_CR_INTRAM`.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J78 (Advanced Cash Operations)
Application Component	FIN-FSCM-CLM-COP (Cash Operations)
Available As Of	SAP S/4HANA 2021

Additional Details

With this release, the following forecasted cash flows are considered in cash flow reconciliation:

- Distributed Cash Management (certainty level `CMIDOC`): Forecasted cash flows transferred via IDOC from classic cash management systems
- Accounts receivable (certainty level `REC_N`)
- Accounts payable (certainty level `PAY_N`)
- Self-initiated cash in transit (certainty level `SI_CIT`)
- General memo records (certainty level `MEMO`)

Related Information

[Classic Cash Management in One Exposure from Operations](#)
[Reconcile Cash Flows - Intraday Memo Records](#)

3.7.1.17 Enhancements for Bank Transfers

You can now set the [Single Payment](#) indicator to create separate payment documents for your payment requests in [Manage Cash Concentration](#), [Make Bank Transfers](#), and [Make Bank Transfers - Create with Template](#). In addition, some new fields for payment data have been added to these apps.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J78 (Advanced Cash Operations)
Application Component	FIN-FSCM-CLM-COP (Cash Operations)
Available As Of	SAP S/4HANA 2021

Additional Details

In the automatic payment transaction, payment requests can be grouped for payment. If you do not want your payment request to be combined with others, you can set the [Single Payment](#) indicator before you save the bank transfer or cash concentration. A separate payment document is created for a payment request with the [Single Payment](#) indicator set.

The following fields have been added to the [Payment Data](#) section on the [General Information](#) tab:

- [Central Bank Indicator](#)
- [Supplying Country/Region](#)
- [Payment Method Supplement](#)
- [Payment Reference](#)

3.7.1.18 Account Transfers in Manage Memo Records

You can now offset memo records of the certainty level MEMO in the [Manage Memo Records](#) app. With the new [Account Transfer](#) button, you can offset the amount of a memo record by creating another memo record for its offsetting bank account.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BFB (Basic Cash Operations)
Application Component	FIN-FSCM-CLM-COP (Cash Operations)
Available As Of	SAP S/4HANA 2021

Additional Details

To offset a memo record, proceed as follows:

Note

This feature works only for general memo records that have the certainty level **MEMO**.

1. In the [Manage Memo Records](#) app, create a memo record with the information required.
2. Fill the fields under the [Offsetting Information](#) section on the [Additional Data](#) tab.
3. Choose the [Account Transfer](#) button.
A new memo record is created for the offsetting bank account.
For example, you created a memo record with 500 EUR for bank account A. You defined the offsetting bank account B. When you choose the [Account Transfer](#) button, a new memo record is created for bank account B with the amount -500 EUR.

Related Information

[Manage Memo Records](#)

3.7.1.19 CDS Views for Cash and Liquidity Management

Some CDS (Core Data Services) views have been released for Cash and Liquidity Management.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J77 (Advanced Bank Account Management)
Application Component	FIN-FSCM-CLM-BAM (Bank Account Management)
Available As Of	SAP S/4HANA 2021

Additional Details

The following CDS views have now been released:

- Risk Business Partner (I_RiskBusinessPartner)
- Defaultable Business Partner (I_DefaultBusinessPartner)
- House Bank (I_HOUSEBANK)

Related Information

[Risk Business Partner](#)
[Defaultable Business Partner](#)
[House Bank](#)

3.7.1.20 Time Zone Settings for Memo Record Expiration Dates

User time zones are now taken into account for the expiration dates of memo records. With this change, memo record expire according to the respective user time zones. This change affects apps including [Manage Memo Records](#), [Reconcile Cash Flows - Intraday Memo Records](#), and [Check Cash Flow Items](#).

Technical Details

Type	Changed
------	---------

Functional Localization	Not applicable
Scope Item	BFB (Basic Cash Operations)
Application Component	FIN-FSCM-CLM-COP (<i>Cash Operations</i>)
Available As Of	SAP S/4HANA 2021

Effects on System Administration

Previously, the expiration dates of memo records were checked against the system time zone. Now user time zones are taken into consideration for the expiration dates.

To set user time zones, in the *Manage Business Users* app, find the user record that you want to edit and then go to the *General* tab. You can specify a time zone under the *Regional Settings* section. For users that have not been defined with a user time zone, the system time zone will be used.

Related Information

[Manage Memo Records](#)

3.7.1.21 OData API: Bank (Version 0002)

With this release, you can use version 0002 of the *Bank* API to create, read and update bank master data and bank address data. You can also use it to mark bank master data for deletion.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BFA (Basic Bank Account Management)
Application Component	CA-BK (<i>Bank</i>)
Available As Of	SAP S/4HANA 2021

3.7.1.22 Status Performance Improvements for Monitor Payments and Approve Bank Payments

Status performance improvements were implemented for the SAP Fiori apps [Monitor Payments](#) and [Approve Bank Payments](#).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J78 (Advanced Cash Operations)
Application Component	FIN-FSCM-BNK (Direct Bank Communication)
Available As Of	SAP S/4HANA 2021

Additional Details

i Note

If you have custom code in your back-end system manipulating the status field in the `BNK_BATCH_HEADER` or `BNK_BATCH_ITEM` tables that is stored in `crm_jest` table, you need to make sure to update the `cur-sts` field consistently to keep your applications functioning correctly.

3.7.2 Payments and Bank Communications

3.7.2.1 Two-Factor Authentication

With this release, you can use two-factor authentication with IAS in the `BNK_APP` transaction.

Technical Details

Type	New
------	-----

Functional Localization	Not applicable
Scope Item	J78 (Advanced Cash Operations)
Application Component	FIN-FSCM-BNK (<i>Direct Bank Communication</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

You can activate the two-factor authentication for the processing of payment batches with the Customizing activity *Specify Optional User Authentication*. You find it under ► *Financial Supply Chain Management* ► *Bank Communication Management* ► *Basic Settings* ►.

3.7.2.2 Enable Late Reject

You can now use this Customizing activity to enable the rejection of payments that were previously accepted by the bank.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J78 (Advanced Cash Operations)
Application Component	FIN-FSCM-BNK (<i>Direct Bank Communication</i>)
Valid as Of	SAP S/4HANA 2021

3.7.2.3 Advanced Payment Management

3.7.2.3.1 Grouping of Multiple Payments

This feature enables you to group multiple payments coming from subsidiaries in a payment forwarding scenario into one payment medium. Grouping can be activated at the clearing agreement with dedicated processing times. Once the processing time has reached, all payments will be grouped together and sent with one payment medium. An option to remove individual payments from the group is available.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4MT (Advanced Payment Management)
Application Component	FIN-FSCM-PF (<i>Payment Factory</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Grouping](#)

3.7.2.3.2 Simplified Maintenance of Evaluation Checks and Notifications for SLAs

With this release, you can use a simplified setup to maintain Service Level Agreements (SLAs) with participating subsidiaries in a central payment factory. The changes enable the following:

- Central option to activate enrichment and validation checks and notifications
- Flexible usage of set of rules to increase the transparency

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4MT (Advanced Payment Management)
Application Component	FIN-FSCM-PF (<i>Payment Factory</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Service Level Agreement](#)

3.7.2.3.3 Direct Display of Payment Medium in Manage Payments App

This feature enables you to display the payment medium directly in [Manage Payments](#) Fiori app without needing to navigate. The display feature works without knowing the technical storage and reads data either from SAP Multi-Bank Connectivity outbound message, Temse or Advanced Payment Management internal storage. An appropriate authorization must be granted to allow the display of a medium characterized as sensitive.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4MT (Advanced Payment Management)
Application Component	FIN-FSCM-PF (Payment Factory)
Valid as Of	SAP S/4HANA 2021

Related Information

[Manage Payments](#)

3.7.2.3.4 Simplified Quick or Mass Approval of Payments in Manage Payments App

The quick or mass approval feature does not replace the existing [Approve Payments](#) Fiori app, but offers a convenient way for approvers to display and approve due batches in [Manage Payments](#) Fiori app without needing to navigate. The same authorization and approver determination as for [Approve Payments](#) app are applied. Two-factor authentication is available in [Manage Payments](#) app. For rejection or partial rejection of a payment, you only need to use [Approve Payments](#) app.

Technical Details

Type	Changed
------	---------

Functional Localization	Not applicable
Scope Item	4MT (Advanced Payment Management)
Application Component	FIN-FSCM-PF (<i>Payment Factory</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Manage Payments](#)

[Approve Payments](#)

[Configuring Bank Communication Management \(BCM\) Integration](#)

3.7.2.3.5 Enhancements to Situations for Exceptions Occurred During Payment Execution

The improved exception handling enables to bring payment issues occurred in a central payment factory to the attention of business users faster. The scenarios triggering such exceptions are for example negative bank status reports or internal error situations like a sanctioned party list screening hit.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4MT (Advanced Payment Management)
Application Component	FIN-FSCM-PF (<i>Payment Factory</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following situations are covered in Advanced Payment Management:

- [Payment Reject](#) (FIN_APM_PAYMENT_REJECT)
- [Payment Transaction Reject](#) (FIN_APM_TRANSACTION_REJECT)

- [Payment Requires Manual Repair](#) (FIN_APM_PAYMENT_REPAIR)
- [Payment Item Requires Manual Repair](#) (FIN_APM_TRANSACTION_REPAIR)

3.7.2.3.6 Configuration for Format Mappings

With this release, you can use the [Map Format Data for Advanced Payment Management](#) app to create and maintain format mappings for Advanced Payment Management. This app replaces the [Map Payment Format Data](#) app.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4MT (Advanced Payment Management)
Application Component	CA-GTF-CSC-DME (Data Medium Exchange Engine)
Valid as Of	SAP S/4HANA 2021

Effects on Existing Data

This app is the successor of the [Map Payment Format Data](#) app. The [Map Payment Format Data](#) app is deprecated and will be deleted from the SAP Fiori launchpad in an upcoming release. The deprecated app may no longer be available by default on the SAP Fiori launchpad. In this case, you can find it in the app finder until it is deleted. We recommend that you switch to the successor app as soon as possible.

All the format mapping data that you created in the deprecated app is available in the new app and there is no difference in the functions provided. Note that you may need to recreate your variants though.

Related Information

[Map Format Data for Advanced Payment Management](#)


3.7.3 Treasury and Risk Management

3.7.3.1 Renewed Swaps

With this feature, swaps (based on product category 620) offer you a variety of new functions, such as parallel interest conditions, new repayment methods, new interest calculation types, and much more.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1X3 (Interest Rate Derivatives Management)
Application Component	FIN-FSCM-TRM (<i>Treasury and Risk Management</i>)
Available As Of	SAP S/4HANA 2021
	SAP S/4HANA 2020 FPS01
	SAP S/4HANA 1909 FPS04
	SAP S/4HANA 1809 FPS06
	SAP S/4HANA 1709 FPS08
	SAP S/4HANA 1610 FPS10

For more information, see also [2971185](#) .

Additional Details

- All kinds of interest rate swaps (including specific kinds of interest rate swaps such as cross-currency interest rate swaps) based on product category 620 now offer the same [Condition Details: Interest \(New FiMa\)](#) screen as interest rate instruments and securities. This includes new interest calculation types, such as [Exponential Interest Calculation with Factors](#), [Compound Interest Calculation](#), and [Average Compound Interest Calculation](#). So, you can now also enter variable interest conditions with risk-free reference rates. For more information, see also [Interest Calculation Types](#). In addition, parallel interest conditions are possible now.

i Note

You can still create an interest rate condition with a start date before the [Start](#) date of the financial transaction.

- Additional kinds of repayment methods, such as installment repayment, or annuity repayment are available now.

- The default setting in the *Rule for Date Update* field for conditions on *Dates* tab, is now set to *Regular* and in the *Shift Due Date* field, the default value is *After end of fixed period*.
- When you terminate an interest rate swap with final repayment, the system automatically generates a final repayment flow and an interest flow for the period up to the termination date.

Settings in Customizing

In the *Define Product Types - OTC Derivatives* Customizing activity under ► *Transaction Manager* ► *OTC Derivatives* ► *Transaction Management* ►, you must choose *Parallel Conditions* in the *Cash Flow Generation* field for product types for product category 620 *Swap*.

Note

As of SAP S/4HANA 2021 all new interest rate swaps are created using the parallel conditions (new FiMa), even if the setting in the product type isn't set to *Parallel Conditions*.

Related Information

Swaps

3.7.3.2 Net Payment for Swaps

With this feature, swaps (excluding cross-currency interest rate swaps) offer you the settlement with net payment.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1X3 (Interest Rate Derivatives Management)
Application Component	FIN-FSCM-TRM (<i>Treasury and Risk Management</i>)


Available As Of

SAP S/4HANA 2021

SAP S/4HANA 2020 FPS01

SAP S/4HANA 1909 FPS04

SAP S/4HANA 1809 FPS06

For more information, see also [2971185](#) .

Additional Details

- You can settle **swaps** via net payments (excluding cross-currency interest rate swaps). The netting flow is generated as derived flow and the original flows aren't posting relevant (all the flow types ending with 5). In general, all flow types are posting relevant but the final decision on the posting relevancy is defined in the update types. Define derivation procedures and assign them to the standing instruction for derived flows ([Derived Flows](#)) of your business partners.
- The [Run Accrual/Deferral](#) app allows grouping and netting of original flows with different directions and update types. For more information, see also [Accrual/Deferral of Expenses and Revenues](#)

Effects on Customizing

- Flow types and update types for business transactions of nominal changes, for the interest flows and the net payments must be defined. Only the update types then decide whether the flows are relevant for posting. For net payments, the update types for the original flows are not relevant for posting.

Flow Type	Direction	Update Type
1105 Nom.Amt Incr.(Not Rel.f.Postg)	Inflow	DE1105+ Increase in Nominal Amount (Not Rel. for Posting)
1105 Nom.Amt Incr.(Not Rel.f.Postg)	Outflow	DE1105- Reduction in Nominal Amount (Not Rel. for Posting)
1115 Nom.Amt Decr.(Not Rel.f.Postg)	Inflow	DE1115+ Increase in Nominal Amount (Not Rel. for Posting)
1115 Nom.Amt Decr.(Not Rel.f.Postg)	Outflow	DE1115- Reduction in Nominal Amount (Not Rel. for Posting)
1125 Contract (Not Rel.for Posting)	Inflow	DE1125+ Contract (Not Relevant for Posting)
1125 Contract (Not Rel.for Posting)	Outflow	DE1125- Contract (Not Relevant for Posting)

Flow Type	Direction	Update Type
1135 <i>Install. rep. (Not Rel.f.Postg)</i>	Inflow	DE1135+ <i>Instalment Repayment (Not Rel. for Posting)</i>
1135 <i>Install. rep. (Not Rel.f.Postg)</i>	Outflow	DE1135- <i>Instalment Repayment (Not Rel. for Posting)</i>
1145 <i>Annuity Rep. (Not Rel.f.Postg)</i>	Inflow	DE1145+ <i>Annuity Repayment (Not Rel. for Posting)</i>
1145 <i>Annuity Rep. (Not Rel.f.Postg)</i>	Outflow	DE1145- <i>Annuity Repayment (Not Rel. for Posting)</i>
1205 <i>Interest (to be netted)</i>	Inflow	DE1205+ <i>Interest (to be netted)</i> Not relevant for posting
1205 <i>Interest (to be netted)</i>	Outflow	DE1205- <i>Interest (to be netted)</i> Not relevant for posting
1250 <i>Interest (net)</i>	Inflow	DE1250+ <i>Interest (net)</i>
1250 <i>Interest (net)</i>	Outflow	DE1250- <i>Interest (net)</i>

- Define derivation procedures in the [Define Derivation Procedures and Rules](#) Customizing activity and you assign the derivation procedure in the standing instructions to your business partners, if you agreed on net payments.

Examples:

- NTINT [Swap: Net Interests](#)
Netting of interest flows only
 - NTALL [Swap: Net Int. and Nom.](#)
Separate netting of interests and nominal changes
 - NTTOT [Swap: Net All Flows](#)
One net payment/posting of all flows together.
- In the [Assign Update Types for Accrual/Deferral](#) Customizing activity, you must define a grouping, for example SWAP_IRS for your company codes, net payment update types 1205+ and 1205-, and product category 620.

Related Information

Swaps
Interest Rate Swaps

3.7.3.3 Net Payment for Cross-Currency Interest Rate Swaps

With this feature, you can settle cross-currency interest rate swaps with a net payment. This is enabled by the introduction of a settlement currency for cross-currency interest rate swaps and an FX rate adjustment function, which is required for the currency conversion into the settlement currency.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1X3 (Interest Rate Derivatives Management)
Application Component	FIN-FSCM-TRM (<i>Treasury and Risk Management</i>)
Available As Of	SAP S/4HANA 2021 SAP S/4HANA 2020 FPS01

For more information, see also [2971185](#) .

Additional Details

- Settlement currency
Cross-currency interest rate swaps have two currencies, one for outgoing and one for incoming interests. In order to allow netting of flows in different currencies, it's necessary to convert the amounts in one joint currency. System uses the settlement currency as the currency of the net payments. The flows are calculated in the position currency and then translated to the payment currency, which is the settlement currency. The net payments are created in settlement currency.
 - The original flows of the outgoing and incoming side, such as the flows representing nominal changes and the condition-based flows (for example interests and repayments) have an amount in position currency and an amount in payment currency.
 - The derived flows only have an amount in payment currency.
- Fixing FX rates for currency conversion into the settlement currency
Therefore, the FX rates for translation into the payment currency (= settlement currency) must also be adjusted. You fix FX rates using the functions that are also used for interest rate adjustments.

i Note

Since these transactions now allow FX rate adjustment, their names have been adapted. For the following transactions, the name has been changed from *Interest Rates/Prices* to *Rates/Prices*. The new names are:

- [Create Adjustment - Rates/Prices](#) (transaction `TI10`)
- [Change Adjustment - Rates/Prices](#) (transaction `TI11`)
- [Display Adjustment - Rates/Prices](#) (transaction `TI12`)
- [Reverse Adjustment - Rates/Prices](#) (transaction `TI13`)

- Net payment

The netting flow is generated as derived flow and the original flows aren't posting relevant (all the flow types ending with 5). In general, all flow types are posting relevant and the final decision on the posting relevancy is defined in the update types. Define derivation procedures and assign them to the standing instruction for derived flows ([Derived Flows](#)) of your business partners.

- The [Run Accrual/Deferral](#) app allows the following:

- Grouping and netting of original flows with different directions and update types.
- Grouping in payment currency allows grouping of accruals with same settlement currency. Prorated amount in position currency is translated to payment currency and grouped with other accruals in the same payment currency

For more information, see also [Accrual/Deferral of Expenses and Revenues](#)

Effects on Customizing

- Flow types and update types for business transactions of nominal changes, for the interest flows and the net payments must be defined. Only the update types then decide whether the flows are relevant for posting. For net payments, the update types for the original flows are not relevant for posting.

Flow Type	Direction	Update Type
1105 Nom.Amt Incr.(Not Rel.f.Postg)	Inflow	DE1105+ Increase in Nominal Amount (Not Rel. for Posting)
1105 Nom.Amt Incr.(Not Rel.f.Postg)	Outflow	DE1105- Reduction in Nominal Amount (Not Rel. for Posting)
1115 Nom.Amt Decr.(Not Rel.f.Postg)	Inflow	DE1115+ Increase in Nominal Amount (Not Rel. for Posting)
1115 Nom.Amt Decr.(Not Rel.f.Postg)	Outflow	DE1115- Reduction in Nominal Amount (Not Rel. for Posting)
1125 Contract (Not Rel.for Posting)	Inflow	DE1125+ Contract (Not Relevant for Posting)
1125 Contract (Not Rel.for Posting)	Outflow	DE1125- Contract (Not Relevant for Posting)
1135 Install. rep.(Not Rel.f.Postg)	Inflow	DE1135+ Instalment Repayment (Not Rel. for Posting)

Flow Type	Direction	Update Type
1135 <i>Install. rep. (Not Rel.f.Postg)</i>	Outflow	DE1135- <i>Instalment Repayment (Not Rel. for Posting)</i>
1145 <i>Annuity Rep. (Not Rel.f.Postg)</i>	Inflow	DE1145+ <i>Annuity Repayment (Not Rel. for Posting)</i>
1145 <i>Annuity Rep. (Not Rel.f.Postg)</i>	Outflow	DE1145- <i>Annuity Repayment (Not Rel. for Posting)</i>
1205 <i>Interest (to be netted)</i>	Inflow	DE1205+ <i>Interest (to be netted)</i> Not relevant for posting
1205 <i>Interest (to be netted)</i>	Outflow	DE1205- <i>Interest (to be netted)</i> Not relevant for posting
1250 <i>Interest (net)</i>	Inflow	DE1250+ <i>Interest (net)</i>
1250 <i>Interest (net)</i>	Outflow	DE1250- <i>Interest (net)</i>
1107 <i>Cross Curr. Swap Payment (net)</i>	Inflow	DE11107+ <i>Cross Curr. Swap Payment (net)</i>
1107 <i>Cross Curr. Swap Payment (net)</i>	Outflow	DE11107- <i>Cross Curr. Swap Payment (net)</i>

- Define derivation procedures in the [Define Derivation Procedures and Rules](#) Customizing activity and you assign the derivation procedure in the standing instructions to your business partners, if you agreed on net payments.

Examples:

- NTINT [Swap: Net Interests](#)
Netting of interest flows only
 - NTALL [Swap: Net Int. and Nom.](#)
Separate netting of interests and nominal changes
 - NTTOT [Swap: Net All Flows](#)
One net payment/posting of all flows together.
- In the [Assign Update Types for Accrual/Deferral](#) Customizing activity, you must define a grouping, for example SWAP_IRS for your company codes, net payment update types 1205+ and 1205-, and product category 620.

Related Information

[Swaps](#)

[Cross-Currency Interest Rate Swaps](#)

3.7.3.4 Additional Differentiation Terms for Treasury Positions

This feature enables you to use the following account assignments of other areas to differentiate treasury positions for securities and OTC transactions:

- [Cost Center](#)
- [Profit Center](#)
- [WBS Element](#)
- [Functional Area](#)

When the flows are posted to Financial Accounting, the account assignment values for a treasury position are also transferred to Financial Accounting.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1WV (Debt and Investment Management), 1X7 (Debt and Investment Management - Group Ledger IFRS) 1X1 (Foreign Currency Risk Management), 1X9 (Foreign Currency Risk Management - Group Ledger IFRS) 3WY (Bond Management), 3WZ (Bond Management - Group Ledger IFRS) 1X3 (Interest Rate Derivatives Management), 1XB (Interest Rate Derivatives Management - Group Ledger IFRS)
Application Component	FIN-FSCM-TRM (Treasury and Risk Management)
Available As Of	SAP S/4HANA 2021

Additional Details

- When a financial transaction is created, you can enter the values for the differentiation-relevant account assignments on the [Administration](#) tab. When flows are posted to Financial Accounting, the values for the account assignments are transferred to the accounting document. The fields [WBS Element](#), [Cost Center](#), [Profit Center](#), and [Functional Area](#) can be used.
- The new fields are available in the functions/apps for position management, such as key date valuation and accrual/deferral, and in the treasury position reporting apps such as the [Treasury Position Flows - Classic](#) and [Treasury Position Values - Classic](#) apps. The determination of the account assignment reference can also be influenced by these fields.

Effects on Customizing

You must create and assign differentiations using the account assignment elements [Cost Center](#), [Profit Center](#), [WBS Element](#), and [Functional Area](#) in the [Define and Assign Differentiations](#) Customizing activity available in the Customizing of the Transaction Manager under ► [General Settings](#) ► [Accounting](#) ► [Settings for Position Management](#) ►.

Note

You can only assign new differentiations to new valuation areas/company codes in which treasury positions do not yet exist.

Related Information

[Differentiation Terms](#)

3.7.3.5 Account Assignment Transfer

With this feature, you can transfer the units/nominals of a treasury position to another position with different account assignments (such as cost center, WBS element, functional area, and profit center). In this internal transfer, the position component values are transferred proportionally according to the transfer category of the target position management procedure.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1WV (Debt and Investment Management), 1X7 (Debt and Investment Management - Group Ledger IFRS) 1X1 (Foreign Currency Risk Management), 1X9 (Foreign Currency Risk Management - Group Ledger IFRS) 3WY (Bond Management), 3WZ (Bond Management - Group Ledger IFRS) 1X3 (Interest Rate Derivatives Management), 1XB (Interest Rate Derivatives Management - Group Ledger IFRS)
Application Component	FIN-FSCM-TRM (Treasury and Risk Management)

Additional Details

The [Account Assignment Transfer](#) is available as app on SAP Fiori launchpad and also in the area menu of the Transaction Manager under ► [Money Market/Foreign Exchange/Derivatives/Securities/Trade Finance](#) ► [Accounting](#) ► [Account Assignment Transfer](#) ► [Account Assignment Transfer](#) (transaction TPM80). The [Account Assignment Transfer](#) app provides the following key features:

- You can execute the account assignment transfer of treasury positions as an internal transfer or as an external transfer.
 - During the internal account assignment transfer, the units/nominals are transferred from the source position to the target position, including the position component values that are transferred proportionally by derived business transactions taking into account the transfer category of the target position management procedure.
 - If you treat the account assignment transfer as an external transfer, the transfer is executed in the same way as a sale from the source position and a purchase to the target position. In this case, the realized gains and losses are calculated. If the [Calculate Accrued Interest](#) indicator is set when the account assignment transfer is executed, accrued interest is also calculated.
- You can transfer partial positions.
- You can enter the incoming or outgoing payment amounts in position currency.

You can reverse an account assignment transfer using the [Reverse Account Assignment Transfer](#) (transaction TPM81) which is also available as app on SAP Fiori launchpad.

Note

If you have activated the Integration Scenario with Public Sector Management and use the fund and grant account assignments as differentiation criteria for your treasury positions, the account assignment transfer can also be used to transfer a treasury position from one fund to another or from one grant to another. The [Account Assignment Transfer](#) function is the renamed and enhanced [Fund Transfer](#) function, which has already been available for the Integration Scenario with Public Sector Management.

Effects on Customizing

You must assign update types for the internal and for the external account assignment transfer in the [Assign Update Types for Account Assignment Transfer](#) Customizing activity that is available in the Customizing of the Transaction Manager under ► [General Settings](#) ► [Accounting](#) ► [Account Assignment Transfer](#) ►.

- For the internal account assignment transfer, you must assign update types for both the position outflow and the position inflow.
- For the external account assignment transfer, you must assign update types for the [Main Flows](#) and the [Accrued Interest Flows](#):

- For the Main Flows, you enter update types for the following cases:
 - Asset: Position Outflow
 - Asset: Position Inflow
 - Liability: Position Outflow
 - Liability: Position Inflow
- For the Accrued Interest Flows, you enter update types for the following cases:
 - Asset: Position Outflow
 - Asset: Position Inflow
 - Liability: Position Outflow
 - Liability: Position Inflow

You also must choose the exchange rate type for currency conversions.

Related Information

[Account Assignment Transfer](#)

[Reverse Account Assignment Transfer](#)

3.7.3.6 Current Portion Transfer

This feature enables you to post the current portion of your long-term liabilities/assets to a specific G/L account for balance sheet purposes. You define the current portion of your long-term liabilities/assets by specifying the time frame (for example, the next 12 months) within which the repayments of a treasury position are due.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1WV (Debt and Investment Management), 1X7 (Debt and Investment Management - Group Ledger IFRS) 3WY (Bond Management), 3WZ (Bond Management - Group Ledger IFRS)
Application Component	FIN-FSCM-TRM (Treasury and Risk Management)
Available As Of	SAP S/4HANA 2021

Additional Details

- The current portion transfer is executed as an additional valuation step as part of the key date valuation.
- The current portion transfer posting is reset on the next day, regardless of the valuation category.

Effects on Customizing

Make settings for the current portion transfer in the following Customizing activities in the Customizing of the Transaction Manager:

- In the [Define Current Portion Transfer Procedure](#) Customizing activity, create a procedure for the valuation category 012 [Current Portion Transfer](#) by entering the period for calculating the current portion. Also, assign the exchange rate type for the currency translation for treasury positions in foreign currencies. In addition, you can specify which exchange rate is used for the currency translation:

- [Book Rate](#) (default setting)
The last book rate is used for the currency conversion.
- [Market Rate](#)
The exchange rate on the valuation date is used for the currency conversion.

The valuation category is relevant for the following position management categories:

- [Securities/Loans/Money Market Transactions/Listed Options](#)
- [Normal Style \(Without Index-Linked Bonds\)](#), [Securities/Loans with Installment Repayment \(Without Index-Linked Bonds\)](#)
- In the [Define Position Management Procedures](#) Customizing activity, you must assign the CPT procedure to the position management procedures for long-term treasury positions with installment repayment.
- Define update types to post the current portion from the source position account to the target position account in the [Define Update Types and Assign Usages](#) Customizing activity and assign them to the usage [Key Date Valuation](#).

For example:

- [V800 Transfer Current Portion \(Asset\)](#)
- [V801 Transfer Current Portion \(Liability\)](#)
- [VR800 Reset Transfer Current Portion \(Asset\)](#)
- [VR801 Reset Transfer Current Portion \(Liability\)](#)
- In the [Assign Update Types for Valuation](#) Customizing activity, on the [Current Portion Transfer](#) tab, you must assign the update types for each affected position management procedure.
- In the [Indicate Update Types as Relevant to Posting](#) Customizing activity, you must add the update types and set the relevant for posting indicator.
- In the [Define Account Determination](#) Customizing activity, you must define the posting specifications and assign them to the update types. This may require the definition of a new account symbol. For the new account symbol, you must assign the G/L account.

Related Information

[Current Portion Transfer](#)

3.7.3.7 Simulate Period-End Closing

With this app, you can simulate the period-end closing of treasury positions including valuation, accrual/deferral of expenses and revenues, and classification.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1WV (Debt and Investment Management), 1X7 (Debt and Investment Management - Group Ledger IFRS) 1X1 (Foreign Currency Risk Management), 1X9 (Foreign Currency Risk Management - Group Ledger IFRS) 3WY (Bond Management), 3WZ (Bond Management - Group Ledger IFRS) 1X3 (Interest Rate Derivatives Management), 1XB (Interest Rate Derivatives Management - Group Ledger IFRS)
Application Component	FIN-FSCM-TRM (<i>Treasury and Risk Management</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The simulated period-end closing uses the framework of the operative period-end closing functions. Therefore, the simulated valuation includes, for example, all relevant valuation results that are also generated by the real valuation during period-end closing.

- The simulated valuation is based on the book value and stores the results without generating persistent flows and postings from the subledger.
The treasury positions are valued in exactly the same way as for the real key date valuation, in accordance with the settings in the position management procedures.
- Accrual/deferral of expenses and revenues
Accrual/deferral of expenses and revenues is used to determine expenses and revenues from financial transactions or positions for a given period and to assign them to the correct accounting period, irrespective of when they were due.
The simulation of the accrual/deferral of expenses and revenues can be executed for money market transactions and bonds.
- Classification
Classification is the last step of the valuation process of the designated subpositions of hedging relationships. It splits the valuation result according to the hedge accounting rule into the different position

components, which reflect effective and ineffective amounts of the designated components, the non-designated components, and the amortization.

- A message log is shown before you can navigate to the results list of the run.
Each row represents a treasury position and shows the results, such as the new book value in position currency and in valuation currency as well as all other new position component values.
- Simulated period-end closing results can be deleted from the database tables using the [Delete Results of Simulated Period-End Closing](#) app.

Related Information

[Simulate Period-End Closing](#)

[Delete Results of Simulated Period-End Closing](#)

3.7.3.8 Money Market Funds: Fix Price and Units After Payment

With this feature, you can use new processing categories (00003 [Order - Contract - Contract Priced](#)) and 00004 [Order - Contract - Settled - Contract Priced - CP Settled](#)) for money market funds with variable net asset value (VNAV). The new processing categories allow payment of the purchase/sale amount even if the exact price and therefore also the exact quantity isn't known. You can fix the price and the units later.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	2UN (Money Market Mutual Fund Management)
Application Component	FIN-FSCM-TRM (Treasury and Risk Management)
Available As Of	SAP S/4HANA 2021
	SAP S/4HANA 2020
	SAP S/4HANA 1909
	SAP S/4HANA 1809

Additional Details

- Process steps of the MMF process using the new processing types:
 1. Create the contract.
Enter the payment amount. The provisional price and quantity are determined using existing market data. The creation of the contract automatically triggers creation of the business transactions *Fund Order Payment* and *Purchase*.
 2. Settle the contract.
When the contract is settled, the payment flow of the business transaction *Fund Order Payment* is flagged for posting.
 3. Execute the payment using the *Post Flows* app.
 4. Using the *Fixing* function, the exact price and quantity can be entered. Fixing updates the purchase/sale quantity flow of the business transaction *Purchase*.
 5. Settle the priced contract.
The purchase flow that updates the Treasury position with the exact values (with the business transaction *Purchase*) is now flagged for posting.
 6. Execute the *Post Flows* app.
The purchase flow that updates the Treasury position with the exact values (with the business transaction *Purchase*) is posted.

Effects on Configuration

In Customizing, under ► *Transaction Manager* ► *Securities* ► *Transaction Management* ► *Transaction Types* ► *Define Transaction Types - Securities* ▾, you must define specific transaction types, for example 101 *Purchase - Priced Later* and 201 *Sale - Priced Later* based on the new processing categories 00003 *Order - Contract - Contract Priced* or 00004 *Order - Contract - Settled - Contract Priced - CP Settled*

Related Information

[Securities](#)

3.7.3.9 Hedge Balance Sheet FX Risks Using FX Spot Transactions

When creating a balance sheet hedge request using *Generate Balance Sheet Exposure Hedge Requests*, you can now choose *FX Spot* as the *Instrument Category* in the *Parameter* section.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1x1 (Foreign Currency Risk Management)
Application Component	FIN-FSCM-TRM (<i>Treasury and Risk Management</i>)
Available As Of	SAP S/4HANA 2021
	SAP S/4HANA 2020
	SAP S/4HANA 1909
	SAP S/4HANA 1809

Additional Details

To generate a balance sheet hedge request, use [Generate Balance Sheet Exposure Hedge Requests](#). A trade request with the category [B/S Hedge](#) is generated automatically once the balance sheet hedge request is released.

Related Information

[Trade Request](#)

3.7.3.10 Real-Time Update of Market Risk Key Figures

With this feature, you can install a real-time update of the base values for market risk key figures calculated by the [Calculate Market Risk Key Figures](#) report. Based on the basic calculation run, all newly created or changed financial transactions, security positions and exposure positions will automatically trigger an adjustment run. This setting ensures that the query views that calculate the market risk key figures are always based on current data.

Technical Details

Type	Changed
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Functional Localization	Not applicable
Scope Item	1X1 (Foreign Currency Risk Management), 1WV (Debt and Investment Management), 3WY (Bond Management), 1X3 (Interest Rate Derivatives Management)
Application Component	FIN-FSCM-TRM (<i>Treasury and Risk Management</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

- You activate the real-time update for a market risk key figure set using the [Manage Market Risk Key Figures Sets](#) app.
Set the [Real-Time Update](#) indicator if you want changes made to objects covered by the market risk key figure set (such as when financial transactions, security positions, or exposure positions are changed) to trigger an automatic adjustment run of the [Calculate Market Risk Key Figures](#) report.

Note

The adjustment run uses the same parameters (derived from the market risk key figure set) as the basic run. Even if you have changed the market risk key figure set in the meantime, the adjustment run uses the same parameters as the basic run. This ensures that all financial objects are processed according to the same parameters on a key date.

This setting ensures that the query views that calculate the market risk key figures are always based on current data.

Caution

Note that setting this indicator will increase the workload during working hours, depending on the operational processes. For example, if you create many financial transactions in a short period of time, market risk key figures will be calculated for them immediately, rather than in a nightly batch run. Value-at-risk calculations can be particularly resource-intensive.

- You must schedule the basic run of the [Calculate Market Risk Key Figures](#) background job to run daily.
- Using the new [Monitor Key Figure Calculations - Market Risk Key Figure Sets](#) app, you can monitor the message logs and calculation details for basic runs and adjustment runs of the [Calculate Market Risk Key Figures](#) report.

Constraints

The real-time update is not available for bank accounts.

Related Information

[Manage Market Risk Key Figure Sets](#)
[Calculate Market Risk Key Figures](#)
[Monitor MR Key Figure Calculations](#)

3.7.3.11 Changed Tab for Create Securities Transaction

For securities transactions, the fields from the [Trading Data](#) tab are now shown on the [Structure](#) tab.

When you create a new transaction under [Create Securities Transaction](#), all the trading data is now shown in the [Structure](#) tab. Trading data for bonds will continue to be shown on the [Trading Data](#) tab.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1wv Debt and Investment Management
Application Component	FIN-FSCM-TRM (Treasury and Risk Management)
Available As Of	SAP S/4HANA 2021

Related Information

[Creating a Security Transaction](#)
[Structure](#)
[Trading Data - Bonds Only](#)

3.7.3.12 BAdI: Derive Administration Fields for FX Instruments

With this BAdI, you can derive field values on the [Administration](#) tab in a financial transaction, mainly in the blocks [Additional Fields](#) and [Position Allocation](#). You can find this BAdI in Customizing under ► [Treasury and Risk Management](#) ► [Transaction Manager](#) ► [Transaction Management](#) ► [Derivation of Fields in Financial Transactions](#) ►.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1X1 (Foreign Currency Risk Management), 2F5 Treasury Trading via Trading Platforms)
Application Component	FIN-FSCM-TRM-TM (<i>Transaction Manager</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The following foreign exchange instruments are supported:

- FX spots, forwards, NDFs, swaps
- FX options and collars

Note

Although it is possible, we recommend not to define fields derived using this BAdI as mandatory.

You can customize the derivation of the following fields:

Name	Type	DDIC Reference
portfolio	TYPE	rportb
general_valuation_class	TYPE	tpm_com_val_class
risk_mitigation	TYPE	ftr_threshold_risk_mitigating
hedging_classification	TYPE	toe_hedging_classification
assignment	TYPE	tb_zuond
internal_reference	TYPE	tb_refer
characteristics	TYPE	tb_merkm
profit_center	TYPE	prctr
cost_center	TYPE	kostl
wbs_element	TYPE	ps_psp_pnr

Name	Type	DDIC Reference
business_area	TYPE	gsber
country/region	TYPE	land1
segment	TYPE	fb_segment
on_behalf_of_company	TYPE	trba_behalf_of_company
isin	TYPE	ranl_isin

Related Information

[Processing of Financial Transactions
Transaction Manager](#)

3.7.3.13 Integration of Counterparty Limits in Trading Platform Integration Application

With this release, the **Integration with External Trading Platforms** scenario supports counterparty limit utilization on the **trading platform integration** application. This way, traders can display counterparty limits and utilizations without having to access [Limit Management](#) in the back-end system.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	2F5 (Treasury Trading via Trading Platforms)
Application Component	FIN-FSCM-TRM (Treasury and Risk Management)
Available As Of	SAP S/4HANA 2021

Additional Details

This integration is available as of SAP S/4HANA 1909 FPS 1.

Related Information

[Limit Management](#)

https://help.sap.com/trm_tpi

3.7.3.14 CDS Views in Treasury and Risk Management

With this feature, some CDS (Core Data Services) views have been changed and some new CDS views are available in *Treasury and Risk Management*. Using released CDS views as a basis, you can create your own query views. Released CDS query views can be used by any tool that supports CDS views, such as the SAP Analysis for Microsoft Office, Design Studio, SAP Lumira, or SAP Analytics Cloud.

Technical Details

Type	Changed
Functional Localization	Not Applicable
Scope Item	1X1 (Foreign Currency Risk Management), 1WV (Debt and Investment Management)
Application Component	FIN-FSCM-TRM
Available As Of	SAP S/4HANA 2021

Additional Details

New CDS Views

- [Reference Interest Rate Value](#) (I_ReferenceInterestRateVal)
- [Delete Results of Simulated Period-End Closing](#) (C_HistFinancialStatusQuery)

Related Information

[CDS Views for Treasury and Risk Management](#)

3.7.3.15 Changes in Customizing of Treasury and Risk Management

With SAP S/4HANA 2021, some changes also occur in Customizing for Treasury and Risk Management, for example, Customizing activities have been renamed and changed, and new Customizing activities have been added.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	n.a.
Application Component	FIN-FSCM-TRM (<i>Treasury and Risk Management</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

New Customizing Activities

- Define Current Portion Transfer Procedure
Use this Customizing activity to create a procedure for the valuation category 012 *Current Portion Transfer* by entering the period for calculating the current portion. Also, assign the exchange rate type for the currency translation for treasury positions in foreign currencies.
The *Define Current Portion Transfer Procedure* Customizing activity is available in the Customizing of the Transaction Manager under ► *General Settings* ► *Accounting* ► *Settings for Position Management* ► *Valuation* ►.
- BAId: Derive Administration Fields for FX Instruments
With this BAId, you can derive field values on the *Administration* tab in a financial transaction, mainly in the blocks *Additional Fields* and *Position Allocation*. You can find this BAId in Customizing under ► *Treasury and Risk Management* ► *Transaction Manager* ► *Transaction Management* ► *Derivation of Fields in Financial Transactions* ►.

Renamed Customizing Activities

- Define Account Determination for Treasury and Risk Management
This Customizing activity has been renamed from *Define Account Determination* to *Define Account Determination for Treasury and Risk Management*.
The *Define Account Determination for Treasury and Risk Management* Customizing activity is available in the Customizing of the Transaction Manager under ► *General Settings* ► *Accounting* ► *Link to Other Accounting Components* ►.

- Define Derivation Rules for Tax Flows
This Customizing activity has been renamed from *Define Tax Rates* to *Define Derivation Rules for Tax Flows*. The *Define Derivation Rules for Tax Flows* Customizing activity is available in the Customizing of the Transaction Manager under ► *Securities* ► *Position Management* ► *Securities Account Management* ►.
- Define Update Types for Account Assignment Transfer
This Customizing activity has been renamed from *Define Update Types for Fund Transfer* to *Define Update Types for Account Assignment Transfer*. The *Define Update Types for Account Assignment Transfer* Customizing activity is available in the Customizing of the Transaction Manager under ► *General Settings* ► *Accounting* ► *Account Assignment Transfer* ►.

Changed Customizing Activities

- Define and Assign Differentiations
New additional differentiation terms are available for treasury positions for securities and OTC transactions. The new additional differentiation terms are the following account assignments of other areas:
 - *Cost Center*
 - *Profit Center*
 - *WBS Element*
 - *Functional Area*

i Note

You can only assign new differentiations to new valuation areas/company codes in which treasury positions do not yet exist.

The *Define and Assign Differentiations* Customizing activity is available in the Customizing of the Transaction Manager under ► *General Settings* ► *Accounting* ► *Settings for Position Management* ►.

- Define Transaction Types - Securities
For product category 020 *Investment Fund*, you can create additional transaction types using the new processing categories 00003 *Order - Contract - Contract Priced* or 00004 *Order – Contract – Settled – Contract Priced – CP Settled* if needed. The *Define Transaction Types - Securities* Customizing activity is available in Customizing of the Transaction Manager under ► *Securities* ► *Transaction Management* ► *Transaction Types* ►.
- Assign Update Types for Valuation
On the new *Current Portion Transfer* tab, you must assign the update types for the current portion transfer for each affected position management procedure. The *Assign Update Types for Valuation* Customizing activity is available in the Customizing of the Transaction Manager under ► *General Settings* ► *Accounting* ► *Key Date Valuation* ► *Update Types* ►.
- Define Product Types - OTC Derivatives
In the *Define Product Types - OTC Derivatives* Customizing activity under ► *Transaction Manager* ► *OTC Derivatives* ► *Transaction Management* ►, you must choose *Parallel Conditions* in the *Cash Flow Generation* field for product types for product category 620 *Swap*.

i Note

As of SAP S/4HANA 2021 all new interest rate swaps are created using the parallel conditions (new FiMa), even if the setting in the product type isn't set to *Parallel Conditions*.

- Define Product Types - Securities

For product types of all product categories of the securities area, the new [Cash Flow Generation](#) area is available where you can choose in the [Cash Flow Calculation](#) field between the settings [Single Interest Condition](#) and [Parallel Interest Conditions](#). With this setting, you activate the new FiMa especially relevant for interest conditions.

This setting enables the usage of extended financial mathematic functions (New FiMa), such as parallel conditions and the assignment of up to 5 calendars for the working day check. This influences how conditions are managed and therefore how cash flow is calculated.

If you make this settings you also get the [Condition Details: Interest \(New FiMa\)](#) screen to enter the interest conditions, this includes additional interest calculation types, such as [Exponential Interest Calculation with Factors](#), [Compound Interest Calculation](#), and [Average Compound Interest Calculation](#). So, you can enter variable interest conditions with risk-free reference rates. For more information, see also [Interest Calculation Types](#). In addition, parallel interest conditions are possible.

3.7.3.16 Configuration for Format Mappings

With this release, you can use the [Map Format Data for Treasury Correspondence](#) app to create and maintain format mappings for Treasury Correspondence. This app replaces the [Map Treasury Correspondence Format Data](#) app.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-GTF-CSC-DME (Data Medium Exchange Engine), FIN-FSCM-TRM (Treasury and Risk Management)
Valid as Of	SAP S/4HANA 2021

Effects on Existing Data

This app is the successor of the [Map Treasury Correspondence Format Data](#) app. The [Map Treasury Correspondence Format Data](#) app is deprecated and will be deleted from the SAP Fiori launchpad in an upcoming release. The deprecated app may no longer be available by default on the SAP Fiori launchpad. In this case, you can find it in the app finder until it is deleted. We recommend that you switch to the successor app as soon as possible.

All the format mapping data that you created in the deprecated app is available in the new app and there is no difference in the functions provided. Note that you may need to recreate your variants though.

Related Information

[Map Format Data for Treasury Correspondence](#)
[Define Your Own Format Mapping](#)

3.8 Financial Operations

3.8.1 Invoice Management

3.8.1.1 Manage Payment Plans

This app enables you to manage in one place all kinds of regular payment runs, such as payments to your suppliers and expense payments. You no longer have to manually and repetitively create payment runs.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J60
Application Component	FI-FIO-AP
Available As Of	SAP S/4HANA 2021

Additional Details

You can use this app to create payment plans centrally for different company codes and payment methods. Payment plans can be scheduled to run on regular fixed dates, or on non-fixed dates, based on your needs. Factory calendar is supported in this app. An active payment plan runs automatically.

Related Information

[Manage Payment Plans](#)

3.8.1.2 Payment Reason for Storing Purpose Code

When making a payment, purpose codes from both the house bank country or region and payee bank country or region are required in order to comply with the regulatory reporting requirements of the banks or local authorities. [Payment Reason](#) stores purpose codes of house bank and payee bank and is assigned into each payment transaction, which is populated into the payment medium file as the instruction for the payee bank.

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	J60 (Accounts Payable)
Application Component	FI-FIO-AP
Available As Of	SAP S/4HANA 2021

Additional Details

You can define reasons for your payments to classify the type of the payment transaction, such as salary payment, purchase of goods, purchase of services, and so on. Payment reason could be maintained in the business partner master data and company code level data. In the meantime, a specific payment reason could be given into an individual business transaction based on business needs, for example, when an invoice or other business document is posted.

The [Payment Reason](#) field is added to the following apps:

- [Manage Journal Entries](#)
- [Create Incoming Invoices](#)

This field is also enabled in the following SAP GUI transactions:

- [FV60](#) (Park Vendor Invoice)
- [FV65](#) (Park Vendor Credit Memo)

Effects on Customizing

To support the payment reasons and their assigned purpose codes, make settings in Customizing for [Financial Accounting](#) under ► [Accounts Receivable and Accounts Payable](#) ► [Business Transactions](#) ► [Outgoing Payments](#) ► [Automatic Outgoing Payments](#) ► [Payment Media](#) ► [Data Medium Exchange](#) ► [Define Payment Reasons](#) ►.

Related Information

[Payment Reason for Storing Purpose Codes](#)

3.8.1.3 New Situation Templates for Monitor Payments

With this release the following situation templates were added to the [Monitor Payments](#) app:

- Situation Template: Payment Batch Status Check
- Situation Template: Payment Batch Was Rejected
- Situation Template: Payment Batch Partially Rejected

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J78 (Advanced Cash Operations)
Application Component	FIN-FSCM-BNK (Direct Bank Communication)
Available As Of	SAP S/4HANA 2021

Related Information

[Monitor Payments](#)

[Situation Template: Payment Batch Status Check](#)

[Situation Template: Payment Batch Was Rejected](#)

[Situation Template: Payment Batch Partially Rejected](#)

3.8.1.4 View Payments in Functional Currency

By default, the company code currency is defined as the functional currency. In some cases, you may need to view your payments in currencies other than your default currency. This feature enables you to view your payment items and payments in your predefined functional currency.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J60 (Accounts Payable)
Application Component	FI-FIO-AP (<i>Fiori UI for Accounts Payable</i>)
Available As Of	SAP S/4HANA 2021

Effects on Configuration

To view payment items in your predefined functional currency, you can add relevant columns in your view settings. In the [Manage Automatic Payments](#) app, choose the payment item you want to view in [Proposals Processed](#) section and add relevant functional currency columns to your view. The columns can be added to the [Payments](#) and [Exceptions](#) views.

The following options are available:

- [Amount in FunctCrcy](#) (Amount in Functional Currency)
- [Cash Discount FunctCrcy](#) (Cash Discount Functional Currency)
- [Functional Currency](#)

To view your payments in your predefined functional currency, execute the same actions in the [Payments Processed](#) section. The following options are available:

- [Cash Disc FunctCrcy](#) (Cash Discount Functional Currency)
- [Fuctional Currency](#)
- [Payt Amt FunctCrcy](#) (Payment Amount Functional Currency)

You must define your functional currency before you can view your payments in functional currency.

Related Information

[Define Functional Currency](#)

3.8.1.5 CDS Views for Payment Proposal

The following new CDS views are now available for payment proposal details management:

- Payment Proposal Payment (I_PaymentProposalPayment)
- Payment Proposal Item (I_PaymentProposalItem)

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J60 (Accounts Payable)
Application Component	FI-FIO-AP
Available As Of	SAP S/4HANA 2021

Additional Details

The CDS view Payment Proposal Payment provides access to all the details of payment proposal payment data. Payment Proposal Item provides access to all the details of payment proposal item data. The data include the major business entities, such as payments and exceptions. The most important attributes of these business entities are included.

Related Information

[Payment Proposal Payment](#)
[Payment Proposal Item](#)

3.8.1.6 Payment Advice Job Template

With the [Create and Send Payment Advices to Payees](#) job template, you can schedule payment advices and send them to your suppliers. The template is available and can be scheduled in the [Schedule Accounts Payable Jobs](#) app.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J60 (Accounts Payable)

Application Component	FI-FIO-AP (<i>Fiori UI for Accounts Payable</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

In the *Schedule Accounts Payable Jobs* app, you choose *Create*, select the job template *Create and Send Payment Advices to Payees*, give it a name, and specify your scheduling options and selection parameters.

Related Information

[Schedule Accounts Payable Jobs](#)
[Create and Send Payment Advices to Payees](#)

3.8.1.7 BAdI for Payment List Forms

One Business Add-In (BAdI) `FINS_PAYMENT_LIST_PRINT_ITEM` (*Payment List Output Item Adaption*) is available for adding custom fields to payment list forms.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J60
Application Component	FI-FIO-AP ((<i>Fiori UI for Accounts Payable</i>))
Available As Of	SAP S/4HANA 2021

Additional Details

You use the Business Add-In (BAdI) `FINS_PAYMENT_LIST_PRINT_ITEM` (*Payment List Output Item Adaption*) to implement your custom logic for filling in the values for the custom fields added to the items for payment.

For more information about the entire business process for adding a custom field to the payment list form and about how the BAdI is involved in this process, see the documentation referenced in the [Related Links](#) section below.

Effects on Customizing

You use the customizing activity [Assign Form Templates](#) for generating payment list forms in which you have added custom fields.

Related Information

[Adding Custom Fields to Payment List Forms](#)

3.8.2 Receivables Management

3.8.2.1 Bank Statement Processing

3.8.2.1.1 Automated Creation of Dispute Cases with Reprocessing Rules

Use this feature to have the system automatically create dispute cases if a reprocessing rule cannot process your bank statement items. In the [Manage Bank Statement Reprocessing Rules](#) app, you can define when and how the system should create a dispute case.

Technical Details

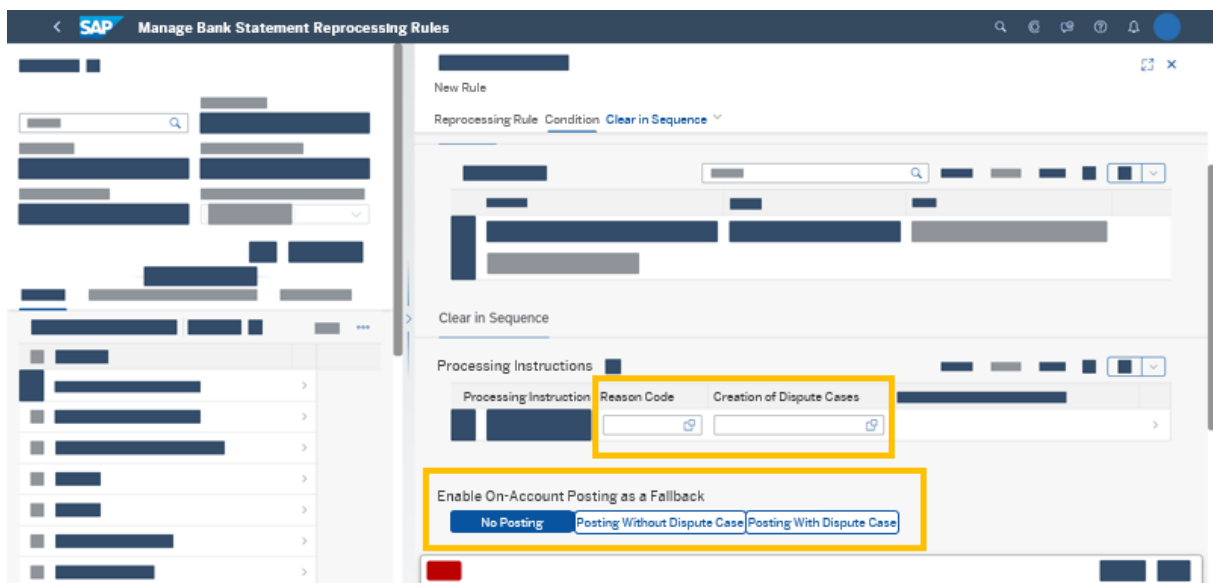
Type	New
Functional Localization	Not applicable
Scope Item	J59 (Accounts Receivable)
Application Component	FI-FIO-AR (Fiori UI for Accounts Receivable)
Available As Of	SAP S/4HANA 2021

Additional Details

When you create a reprocessing rule in the [Manage Bank Statement Reprocessing Rules](#) app, you can select the [Clear in Sequence](#) action type and you can see the new fields about the automated creation of dispute cases:

- [Reason Code](#)
You can set a reason code to each processing instruction. If the reprocessing rule is applicable to a bank statement item and if it uses a specific processing instruction and if there is a residual amount after the posting, the system uses the reason code to automatically calculate and process the residual amount.
- [Creation of Dispute Cases](#)
If a processing instruction is not able to successfully post and clear your bank statement items, and if the system creates a residual item or detects a partial payment, you can define that the system automatically creates a dispute case for the residual item or partial payment.
- [Enable On-Account Posting as a Fallback](#)
If all the processing instructions that you have defined in the sequence do not manage to post and clear your bank statement items, you can define that the reprocessing rule carries out an on-account posting to the respective business partner accounts. You can define whether a dispute case is created or not.

The following screenshot shows you where to find the fields on the UI:



The advantage of defining the possibilities for the automated creation of dispute cases in reprocessing rules is that you reduce your manual workload and save time.

→ Tip

If you want to select a reason code to determine how the system should process a residual item, you need to make sure that the settings of the reason code are correct. To do that, you need to carry out the following steps:

1. Either go to the `OBBE` transaction, or go to the SAP Customizing Implementation Guide and choose [Financial Accounting \(New\)](#) > [Accounts Receivable and Accounts Payable](#) > [Business Transactions](#) > [Outgoing Payments](#) > [Manual Outgoing Payments](#) > [Overpayment/Underpayment](#) > [Define Reason Codes \(Manual Outgoing Payments\)](#).

2. After selecting a company code, you can see an overview of the reason codes. In order to have the reason codes work properly when you select them in the [Manage Bank Statement Reprocessing Rules](#) app, you need to **deselect** the [Charge Off Difference](#), [Disputed Item](#), [Do Not Copy Text](#) and [Advice Note Difference](#) checkbox. By deselecting these checkboxes, you allow the system to create residual items if the respective reason codes are selected in a reprocessing rule.

If you reverse a bank statement item for which the system had automatically created a dispute case, then the system only reverses the bank statement item. The dispute case is still **open**. In this case, you need to go to the [Manage Dispute Cases](#) app, and void the dispute case manually.

Related Information

[Manage Bank Statement Reprocessing Rules](#)
[How to Create Reprocessing Rules](#)

3.8.2.1.2 CDS Views for Bank Statements

The following CDS views are now available: `I_BankStatement` and `I_BankStatementItem`. With these CDS views, you can retrieve data from your bank statements.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J59 (Accounts Receivable) 4X8 (Advanced Bank Statement Automation)
Application Component	FI-FIO-AR (Fiori UI for Accounts Receivable)
Available As Of	SAP S/4HANA 2021

Related Information

[Bank Statement Header](#)
[Bank Statement Item](#)

3.8.2.1.3 Change in Standard View

In the [Manage Bank Statement Reprocessing Rules](#) app, the standard view of the table has changed. The [Applicable Open Items](#) KPI, that displays the number of open items that are applicable to a reprocessing rule, is not visible by default anymore. If you still want to display that data in a column, you can change the table settings accordingly by selecting the cogwheel icon on the top-right corner of the table.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J59 (Accounts Receivable) 4X8 (Advanced Bank Statement Automation)
Application Component	FI-FIO-AR (Fiori UI for Accounts Receivable)
Available As Of	SAP S/4HANA 2021

Related Information

[Manage Bank Statement Reprocessing Rules](#)

3.8.2.1.4 Changes in Posting

With the improved posting process, the system posts bank statement items in different parallel work processes. This enhances the overall performance.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J59 (Accounts Receivable)

Application Component	FI-FIO-AR (<i>Fiori UI for Accounts Receivable</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Parallel Posting](#)
[Bank Statement Processing](#)
[Manage Bank Statements](#)
[Reprocess Bank Statement Items](#)

3.8.2.1.5 Company Code Filter

With this feature, you can filter your reprocessing rules by company code. This improves the search in the [Manage Bank Statement Reprocessing Rules](#) app.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J59 (Accounts Receivable)
Application Component	FI-FIO-AR (<i>Fiori UI for Accounts Receivable</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Manage Bank Statement Reprocessing Rules](#)

3.8.2.1.6 Configuration for Format Mappings

With this release, you can use the [Map Format Data for Incoming Files from Banks](#) app to create format mappings for your bank statements.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J59 (Accounts Receivable)
Application Component	FI-FIO-AR (<i>Fiori UI for Accounts Receivable</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The system imports bank statements in certain formats. Your configuration expert can tell the system to map the values of certain records of the incoming format to output fields that are given in the target structure. To do that, your configuration expert creates format mappings based on already existing mappings for bank statement data.

You can select the format mappings your configuration expert creates in the [Manage Incoming Payment Files](#) app and also in the `FF_5` and `FF_5` SAP GUI transactions.

Related Information

[How to Create a Format Mapping](#)
[Manage Incoming Payment Files](#)
[Map Format Data for Incoming Files from Banks](#)

3.8.2.1.7 Configuration for Payment Clearing Groups

With this release, a new configuration step for making settings related to bank statement processing has been added. Your configuration expert can create IDs for the payment clearing groups. You can find the configuration step in the SAP Customizing Implementation Guide under ► [Financial Accounting \(New\)](#) ► [Bank Accounting](#) ► [Business Transactions](#) ► [Payment Transactions](#) ► [Electronic Bank Statement](#) ► [Define Payment Clearing Groups](#) ►. You can create and edit your payment clearing groups by defining IDs and descriptive names for the payment clearing groups.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J59 (Accounts Receivable)
Application Component	FI-FIO-AR (<i>Fiori UI for Accounts Receivable</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

In the *Manage Bank Statement Reprocessing Rules* app, you can use the *Payment Clearing Group* attribute as a condition of a reprocessing rule.

Related Information

[Payment Clearing Group \[page 293\]](#)

[Manage Bank Statement Reprocessing Rules](#)

3.8.2.1.8 Payment Clearing Group

Use this attribute to categorize your suppliers and customers into groups. In the *Manage Bank Statement Reprocessing Rules* app, you can use the attribute as a condition of a reprocessing rule. That means, with the *Payment Clearing Group* attribute, you have another option to actively influence the processing of your bank statement items. The advantage of this attribute is that you can refer to certain business partners in **one** condition by using the correct payment clearing group.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J59 (Accounts Receivable)

Application Component	FI-FIO-AR (<i>Fiori UI for Accounts Receivable</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The advantage of this attribute is that you do not need several reprocessing rules or numerous conditions in a reprocessing rule referring to your business partner. Instead, you can use payment clearing groups to refer to certain business partners in **one** condition in a compact way. Your configuration expert can edit and create your payment clearing groups in the SAP Customizing Implementation Guide under ► [Financial Accounting \(New\)](#) ► [Bank Accounting](#) ► [Business Transactions](#) ► [Payment Transactions](#) ► [Electronic Bank Statement](#) ► [Define Payment Clearing Groups](#) ►. You can then assign the IDs of the payment clearing groups to the respective business partners in your business partners' master data (for example, in the [Manage Business Partner Master Data](#) or [Manage Customer Master Data](#) or [Manage Supplier Master Data](#) apps). In this way, you determine which business partners belong to which payment clearing groups.

Note

For each company code, the business partner can belong to only one payment clearing group. That means, if you have a business partner in more than one company code, you can assign different payment clearing groups to the business partner for the different company codes.

Related Information

[Manage Bank Statement Reprocessing Rules](#)
[Manage Business Partner Master Data](#)
[Manage Customer Master Data](#)
[Manage Supplier Master Data](#)
[Configuration for Payment Clearing Groups \[page 292\]](#)

3.8.2.1.9 Deprecated Apps in Bank Statement Processing

The [Upload Bank Statements](#) and [Upload Bank Statements - Using Format Selection](#) apps, which are accessible on the SAP Fiori launchpad via the App Finder, have been deprecated. The apps are deleted with this release: SAP S/4HANA 2021. We recommend that your users switch to using the [Manage Incoming Payment Files](#) app as soon as possible.

Technical Details

Type	Deleted
Functional Localization	Not applicable
Scope Item	J59 (Accounts Receivable)
Application Component	FI-FIO-AR (<i>Fiori UI for Accounts Receivable</i>)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

The *Manage Incoming Payment Files* app is the successor of the *Upload Bank Statements* (FF_5) and *Upload Bank Statements - Using Format Selection* (FF_5) apps. The *Upload Bank Statements* (FF_5) and *Upload Bank Statements - Using Format Selection* (FF_5) apps are no longer supported and will be deleted from the SAP Fiori launchpad as of SAP S/4HANA 2021. The app may no longer be available by default on the SAP Fiori launchpad. In this case, you can find it in the app finder until it is deleted. We recommend that you switch to the successor app as soon as possible.

Related Information

[Manage Incoming Payment Files](#)

3.8.2.1.10 Deprecating Default Value for Transaction Type

The default value, CAMT053, for the *Transaction Type* field has been deprecated. This default value will not be available with SAP S/4HANA 2021. We recommend that you maintain the *Transaction Type* field for every bank account in the *Manage Bank Accounts* app.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	J59 (Accounts Receivable)

Application Component	FI-FIO-AR (<i>Fiori UI for Accounts Receivable</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

So far, the system uses the **transaction type**, that you have defined in the *Manage Bank Accounts* app, for the import of bank statements. However, if you have not maintained the *Transaction Type* field for a bank account in the *Manage Bank Accounts* app, the system uses the default value CAMT053 to post and clear bank statement items when you import bank statements with the *Manage Incoming Payment Files* app or with **SAP Multi-Bank Connectivity**. From SAP S/4HANA onwards, this default behavior will not be available.

Effects on Existing Data

If the transaction type is maintained in the *Manage Bank Accounts* app, the system automatically uses this information for the import of the bank statement. If you do not maintain the transaction type in the *Manage Bank Accounts* app, the system will not be able to post and clear bank statement items correctly or to post and clear them **at all** from the **SAP S/4HANA 2021** release onwards. To avoid this problem in the area of bank statement processing, we recommend that you maintain the *Transaction Type* field for every bank account manually in the *Manage Bank Accounts* app.

Related Information

[Manage Incoming Payment Files](#)
[Manage Bank Accounts](#)
[SAP Multi-Bank Connectivity](#)

3.8.2.1.11 Enhanced Processing of Payment Advices

With this feature, you can process payment advices more efficiently in the *Reprocess Bank Statement Items* app.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J59 (Accounts Receivable)
Application Component	FI-FIO-AR (<i>Fiori UI for Accounts Receivable</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

If the system cannot find the correct payment advice belonging to a bank statement item during the import of a bank statement, the system displays the bank statement item in the [Reprocess Bank Statement Items](#) app. You can select the value help of the [Payment Advice No.](#) field and connect the bank statement item with the payment advice. After selecting the payment advice, the system displays the open items that can be matched to the payment advice items. If there is a deduction of a payment listed in the payment advice, the system automatically creates a residual amount for it. The following simplified screenshot shows the relevant UI for this feature:

The screenshot displays the SAP Fiori app 'Reprocess Bank Statement Items'. The 'Details' section shows the 'Account Type' as 'Customer' and the 'Payment Advice No.' as '0421062508572553'. Below this, there are two main tables: 'Open AP/AR Items' and 'Advice Items to Be Cleared'. The 'Open AP/AR Items' table has columns for Item No., Account No., Item Description, Date, Amount, and Status. The 'Advice Items to Be Cleared' table has columns for Matched status, Date, Payment Advice No., Amount, and Status. There are buttons for 'Match Payment Advice', 'Clear Open Items', 'Match Open Item and Payment Advice Item', and 'Unmatch'.

Related Information

[Reprocess Bank Statement Items](#)

[How to Match Payment Advice Items with Open Items](#)

[Identification of the Company Code and the Customer Account](#)

3.8.2.1.12 Extension of the Business Partner Identification

You can use the feature for business partner identification with incoming payment advices via the [Payment Advice - Create](#) API.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J59 (Accounts Receivable)
Application Component	FI-FIO-AR (Fiori UI for Accounts Receivable)
Available As Of	SAP S/4HANA 2021

Additional Details

With this feature, you can use the business partner ID category for an enhanced identification mechanism for the processing of your payment advice. The business partner can only be identified if you have assigned the **Customer** (Fin.Accounting) or **Supplier** (Fin.Accounting) roles or even both roles to your business partners. You can maintain your business partners' identification number and assign the correct business partner ID category to the business partner ID type.

i Note

- Please be aware that this feature is only available to you if you implement the `FAR_IDENTIFY_FILE_BUPA` BAdI to find out the identification number for the business partner identification. Then, you have to initiate the business partner service again, with the newly found identification number. Then, the system automatically looks for the `FARAP0` identification category. Otherwise, the feature described here does not work in your system.
- You can run the `RP_FAR_IDENTIFY_FILE_BUPA` test report to try out this new feature.

Related Information

[Payment Advice - Create](#)
[Bank Statement Processing](#)

3.8.2.1.13 Machine Learning Status for Account Determination

Use this feature to view a bank statement item's machine learning status for account determination. In the [Reprocess Bank Statement Items](#) app, the [Machine Learning Status Account](#) and [Machine Learning Status Account Name](#) fields display whether the machine-learning-based technology succeeded in determining the business partner's account or not.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J59 (Accounts Receivable) 1MV (Cash Application Integration)
Application Component	FI-FIO-AR (Fiori UI for Accounts Receivable)
Available As Of	SAP S/4HANA 2021

Additional Details

In the [Reprocess Bank Statement Items](#) app, you can filter the bank statement items using the values for **Machine Learning Status Account** (Machn Lrn Status Acc) and **Machine Learning Status Account Name** (Machn Lrn Status Acc Nm). You can also add them as columns in the overview table.

That means, additionally to the **Machine Learning Status** (Machine Lrn. Status) and **Machine Learning Status Name** (Mach. Lrn. Stat. Nm.) fields, which refer to the machine learning status of **open items**, you can also view the machine learning status referring to the **customer and supplier accounts** with the new fields. Furthermore, for all four fields, there is the new value: 60. This value appears if an error occurs, for example, if a bank statement item could not be processed at all because it was already cleared in the meantime.

Related Information

[Reprocess Bank Statement Items](#)

[Machine Learning Status Values of SAP Cash Application](#)

3.8.2.1.14 New Attributes for Conditions of Reprocessing Rules

In the [Manage Bank Statement Reprocessing Rules](#) app, there are three new attributes for conditions of reprocessing rules: [Partner Name](#), [Partner Bank Code](#), and [Partner Bank Account](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J59 (Accounts Receivable)
Application Component	FI-FIO-AR (Fiori UI for Accounts Receivable)
Available As Of	SAP S/4HANA 2021

Additional Details

Now, you can specify that a reprocessing rule should be applicable to a specific business partner or to specific partner banks or to partner bank accounts by using the three new attributes for conditions of reprocessing rules: [Partner Name](#), [Partner Bank Code](#), and [Partner Bank Account](#).

Note

If you have purchased and activated the 4x8 scope item, be aware that the new attributes are not available in templates for reprocessing rules, but only in reprocessing rules that you create manually. However, if you create a reprocessing rule based on templates, you can further edit the rule and add the new attributes to the [Conditions](#) section.

Related Information

[Manage Bank Statement Reprocessing Rules](#)

[How to Create Reprocessing Rules](#)

[Template-Based Reprocessing Rules](#)

3.8.2.1.15 New Scope Item: 4X8

In the area of bank statement processing, there is a new scope item: 4X8 ([Advanced Bank Statement Automation](#)). Certain features that were comprised in the scope item 1MV ([Cash Application Integration](#)) have been removed from this scope item and added to the new scope item 4X8.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4X8 (Advanced Bank Statement Automation) 1MV (Cash Application Integration) J59 (Accounts Receivable)
Application Component	FI-FIO-AR (Fiori UI for Accounts Receivable)
Available As Of	SAP S/4HANA 2021

Additional Details

From now on, the 1MV scope item (Cash Application Integration) comprises only the machine-learning based features, such as line-item matching. The 4X8 scope item (Advanced Bank Statement Automation) comprises rule-based features, such as the creation of reprocessing rules based on templates or the automation of reprocessing rules. If you already have the 1MV scope item (Cash Application Integration), you also have the 4X8 scope item (Advanced Bank Statement Automation) from now on.

Related Information

https://help.sap.com/viewer/product/SAP_CASH_APPLICATION/Latest/en-US?task=discover_task
[Manage Bank Statements](#)
[Reprocess Bank Statement Items](#)
[Manage Bank Statement Reprocessing Rules](#)

3.8.2.1.16 One Exact Match Allocation Algorithm

Use the [One Exact Match - Clear Matching Open Item](#) allocation algorithm in the [Reprocess Bank Statement Items](#) and [Manage Bank Statement Reprocessing Rules](#) apps to have the system find exactly one open item to clear a bank statement item that has the same amount as the open item.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J59 (Accounts Receivable)
Application Component	FI-FIO-AR (Fiori UI for Accounts Receivable)
Available As Of	SAP S/4HANA 2021

Additional Details

You can use allocation algorithms in the [Reprocess Bank Statement Items](#) app to manually post bank statement items. You can also use allocation algorithms in the [Clear in Sequence](#) action type of reprocessing rules. Additionally to the [First In First Out - Clear oldest open items first](#) allocation algorithm, SAP predelivers another allocation algorithm: [One Exact Match - Clear Matching Open Item](#). In order to clear a bank statement item, the [One Exact Match](#) allocation algorithm looks through your open items, and selects **only one** open item for clearing that has the same, exactly matching amount as the bank statement item.

Related Information

[Allocation Algorithms](#)
[Reprocess Bank Statement Items](#)
[Manage Bank Statement Reprocessing Rules](#)

3.8.2.1.17 Payment Advice Reorganization

In the [Payment Advice Reorganization](#) job template in the [Schedule Accounts Receivable Jobs](#) app, you can select two new parameters that allow you to delete held payment advices.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J59 (Accounts Receivable)
Application Component	FI-FIO-AR (<i>Fiori UI for Accounts Receivable</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

With the [Delete Held Advices](#) and [Time of Deletion \(in Days\)](#) parameters, you can define which held payment advices the system should delete.

Related Information

[Payment Advice Reorganization](#)
[Schedule Accounts Receivable Jobs](#)

3.8.2.1.18 Posting Category

Use the **posting category** field in the [Manage Bank Statements](#) app to determine whether bank statements get processed or not after having been imported into your system.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J59 (Accounts Receivable)
Application Component	FI-FIO-AR (<i>Fiori UI for Accounts Receivable</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

In the [Manage Bank Statements](#) app, every bank statement has the [Posting Category](#) field. If the value of the [Posting Category](#) field is [Posting to Be Processed](#), the system is going to process the bank statement as usual (for example, post the bank statement items). If the value of the [Posting Category](#) field of a bank statement is [No Posting Processing](#), the system carries out the following actions:

- The system simply saves the bank statement after importing it.
- The system does **not** process the bank statement further (for example, it does not run any accounting-relevant checks like searching for applicable posting or reprocessing rules).
- The system sets the bank statement's as well as the bank statement items' posting status to **completed**.

That means, bank statements with the [No Posting Processing](#) posting category are saved in the database and set to completed without having been posted. Using the [No Posting Processing](#) posting category can be useful for you if, for example, you do not want to post a bank statement, but you want your [Cash Position](#) app to get updated nonetheless. Or it can also be useful if you have not assigned a G/L account to the house bank account to which the bank statement belongs.

In the [Define Bank Account Settings - Bank Statements](#) app, you can define what posting category a bank account should have.

Effects on Customizing

In the SAP Customizing Implementation Guide, under ► [Financial Supply and Chain Management](#) ► [Cash and Liquidity Management](#) ► [Bank Account Management](#) ► [Integrate with End-of-Day Bank Statements](#) ▾, you can set the posting category for a **company code**.

Related Information

[Manage Bank Statements](#)
[Cash Position](#)
[Define Bank Account Settings - Bank Statements](#)
[Overview on Automatic Bank Statement Processing](#)

3.8.2.1.19 Reversal of Multiple Journal Entries

With this feature, you can reverse multiple journal entries at the same time in the [Reprocess Bank Statement Items](#) app.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J59 (Accounts Receivable)
Application Component	FI-FIO-AR (<i>Fiori UI for Accounts Receivable</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

Until now, you could only reset **one** bank statement item at a time by reversing its journal entry. Now, you can reset multiple bank statement items at the same time by initiating a mass reversal of selected journal entries. If you notice that there are wrongly posted bank statement items in the [Reprocess Bank Statement Items](#) app, you can select them all and choose the [Reverse](#) button. This will reverse the last journal entry of each bank statement item. This way, you can reverse the posting of all the selected bank statement items at the same time.

Related Information

[Reprocess Bank Statement Items](#)

[How to Reverse Postings](#)

3.8.2.1.20 Reversal of Postings

A part of the user interface for the [Reprocess Bank Statement Items](#) app has been reworked for usability reasons.

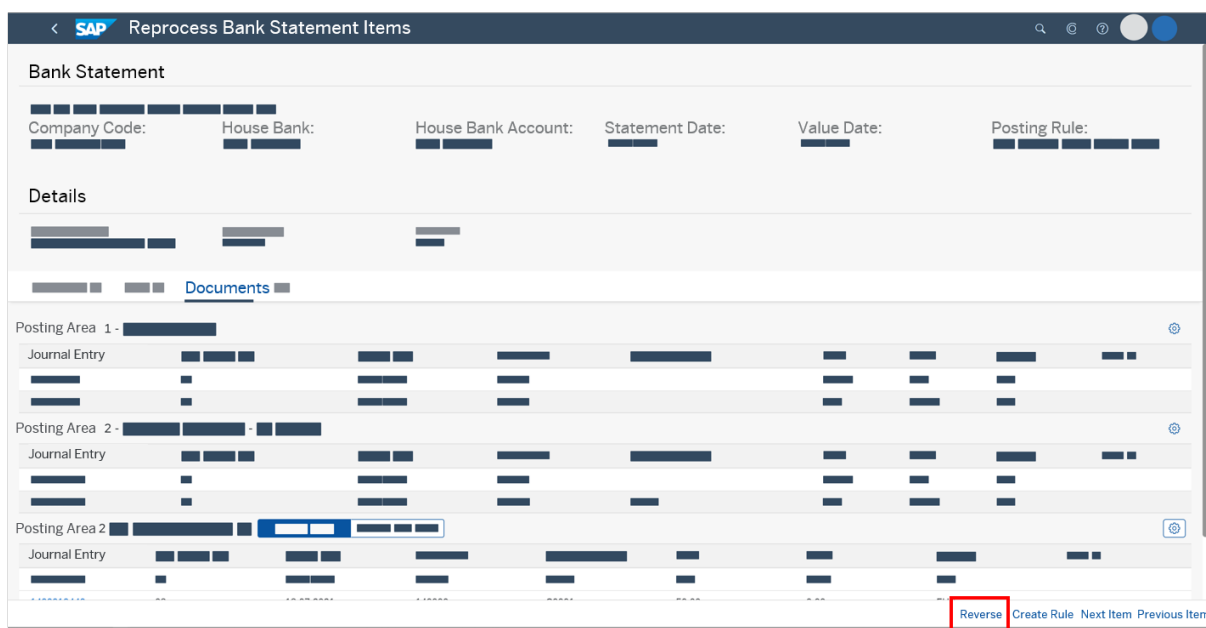
Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J59 (Accounts Receivable)

Additional Details

In the detailed view of a bank statement item, under the [Documents](#) tab, the [Reverse](#) button has been moved to the bottom right corner, and is now situated next to other buttons (see the simplified screenshot below). Selecting the [Reverse](#) button makes the system reverse the latest posting that was carried out for the selected bank statement item.

That means, the system reverses the latest journal entry. To do that, the system first looks if there is a journal entry in the subledger. If there is one, it reverses it. If there is none, it proceeds to look for a journal entry in the general ledger to reverse.



Related Information

[Reprocess Bank Statement Items](#)
[How to Reverse Postings](#)

3.8.2.1.21 SOAP API: Bank Statement - Post (Synchronous)

The API [Bank Statement - Post](#) (BankStatementPost_In) has been changed.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1EG (Bank Integration with File Interface) J59 (Accounts Receivable)
Application Component	FI-FIO-AR (<i>Fiori UI for Accounts Receivable</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The `PostInBackground` field has been added to the header node (`MessageHeader`). If the value of this field is set to **true**, the system imports the bank statement and initiates a posting that runs in the background. That means, if the value of the `PostInBackground` field is set to **true**, the imported bank statement items are posted automatically in the background. If the value of the `PostInBackground` field is set to **false**, the system only imports the bank statement and saves the bank statement items for later manual processing.

However, the `PostInBackground` field is **optional**. Its default setting is to be **false**, which means the system does not post any bank statement items.

Related Information

[Bank Statement - Post](#)
[BankStatementPost_In - MessageHeader](#)

3.8.2.1.22 Updating Cash Position

Use this feature to automatically update the data in the [Cash Position](#) app when importing bank statements.

Technical Details

Type	New
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Functional Localization	Not applicable
Scope Item	J59 (Accounts Receivable)
Application Component	FI-FIO-AR (<i>Fiori UI for Accounts Receivable</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

If a bank statement, that belongs to a bank account which is relevant for cash management, is imported into the system, the data in the [Cash Position](#) app gets automatically updated. If the bank account is relevant for cash management and if updating the [Cash Position](#) app is successful, the system confirms the update by automatically filling in the [Cash Position Update Status](#) field in the bank statement header. In both the filter selection in the header toolbar and in the overview table of the [Manage Bank Statements](#) app, you can view the [Cash Position Update Status](#). The [Cash Position Update Status](#) informs you of the following:

- whether updating the data in the [Cash Position](#) app with the data of the incoming bank statement was **successful (Updated)**.
- whether updating the data in the [Cash Position](#) app with the data of the incoming bank statement was **not** successful and needs to be retrIGGERED (**Update required**).
In this case, you have to trigger the update manually by opening the detailed view of a bank statement, whose information could not get transferred to the [Cash Position](#) app, and select the [Update Cash Position](#) button.
- or whether updating the data in the [Cash Position](#) app with the data of the incoming bank statement is not relevant (**Not relevant for cash update**).

In the [Define Bank Account Settings - Bank Statements](#) app, you can define whether a bank account is relevant for cash management or not by selecting either [Balance and Bank Statement Items](#), [Balance Only](#), [Bank Statement Items Only](#), or [No Update for Cash Management](#) as the [Transfer Mode](#) in the account settings.

Effects on Customizing

In the Customizing, under [Financial Supply Chain Management](#) > [Cash and Liquidity Management](#) > [Bank Account Management](#) > [Integrate with End-of-Day Bank Statements](#) , you can set the transfer mode for a **company code**.

Related Information

[Manage Bank Statements](#)
[Overview on Automatic Bank Statement Processing](#)
[Define Bank Account Settings - Bank Statements](#)
[Cash Position](#)

3.8.2.2 Credit Evaluation and Management

3.8.2.2.1 Manage Documented Credit Decisions

Use this app to see an overview of the important data for assessing credit decisions. You can check or release the relevant document in the case of a credit decision for the document. You can navigate to the blocked sales document or to the credit check log. To meet your legal disclosure obligations regarding documentation, you can download a snapshot of the data upon which the negative credit decision was based, to send it to the business partner concerned.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD6 (Basic Credit Management) 1QM (Advanced Credit Management)
Application Component	FIN-FIO-CCD-CR (Fiori-UI for SAP Credit Management) FIN-FSCM-CR (Credit Management)
Valid as Of	SAP S/4HANA 2021

Additional Details

This app is the successor of the [Manage Documented Credit Decisions](#) (HTML GUI) app. The replaced app is deprecated and will be deleted from the SAP Fiori launchpad in SAP S/4HANA release 2022. The deprecated app may no longer be available by default on the SAP Fiori launchpad. In this case, you can find it in the app finder until it is deleted. We recommend that you switch to the successor app as soon as possible.

Effects on System Administration

The app was added to the following standard business catalog: [Credit Management - Credit Cases](#) (SAP_FIN_BC_CR_CASES_PC)

Related Information

[Manage Documented Credit Decisions](#)

3.8.2.2.2 New Features for Manage Credit Accounts

You can now maintain and delete credit data in the credit profile and on credit segment level. For this release, implement a note to ensure the functionality of the app.

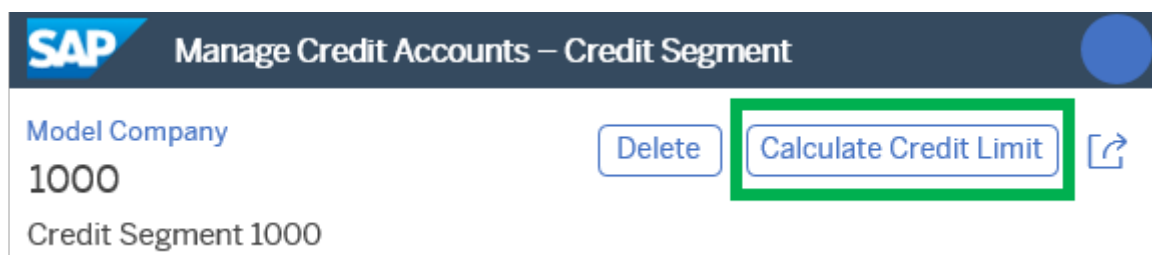
Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BD6 (Basic Credit Management) 1QM (Advanced Credit Management)
Application Component	FIN-FIO-CCD-CR (<i>Fiori-UI for SAP Credit Management</i>) FIN-FSCM-CR (<i>Credit Management</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

- [Calculate Credit Limit](#)

On credit segment level, you can use the new [Calculate Credit Limit](#) button to calculate the credit limit for this segment, using the formula of the underlying rule.
To calculate the credit limit for a segment, open the credit account for a business partner and choose [Edit](#). Then navigate to the credit segment and choose the [Calculate Credit Limit](#) button:

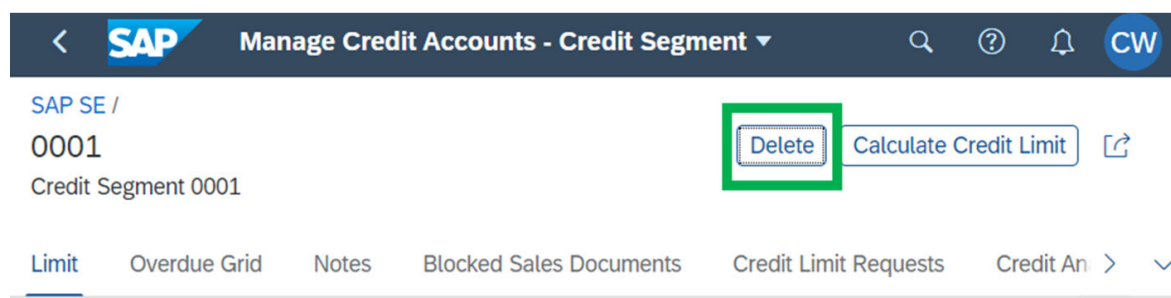


- **Delete Credit Segment**

You can delete credit segments. The following data will be deleted: Business partner relationships, credit analyst assignment, notes, credit insurance data, collaterals, check exceptions, additional credit limits, and payment behavior summaries.

Note that you can't reverse the deletion. Instead, you would have to enter all data again manually and resend the payment behavior summaries.

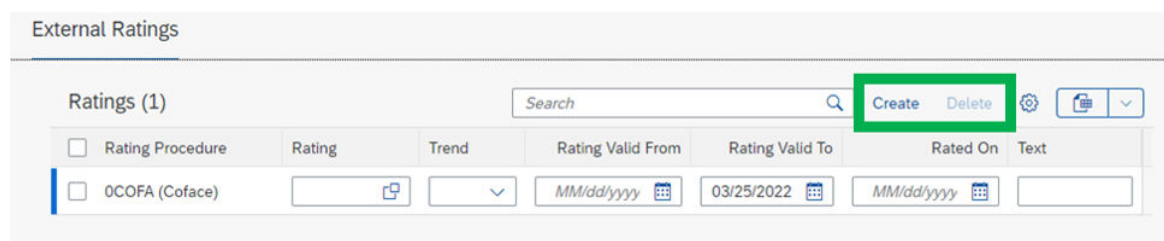
You can delete credit segments on credit segment level. Choose **Edit** > **Delete** (screenshot in English only):



More information: [How to Delete Credit Segments](#)

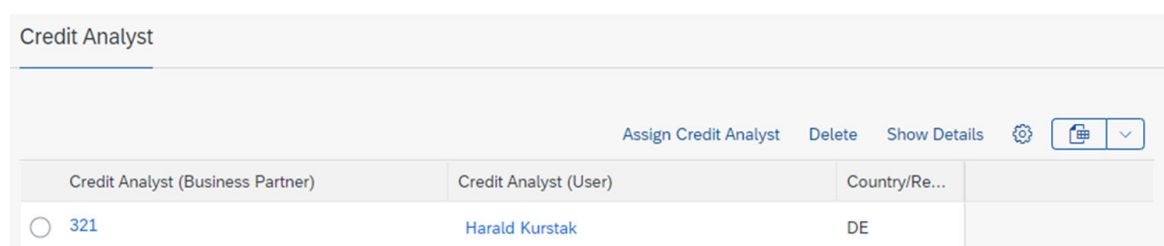
- **Changing External Ratings Manually**

You can manually maintain and remove external ratings in the *External Ratings* section (screenshot in English only):



- **Assign Credit Analysts**

You can assign credit analysts to credit segments of business partners. You can assign groups or persons. They are assigned in relationship type *in Credit Management is managed by* (TUKMSBO). Enter the credit segment of the business partner to assign the credit analysts (screenshot in English only):



More information: [Business Partner Relationships](#)

- **Maintaining Credit Data**

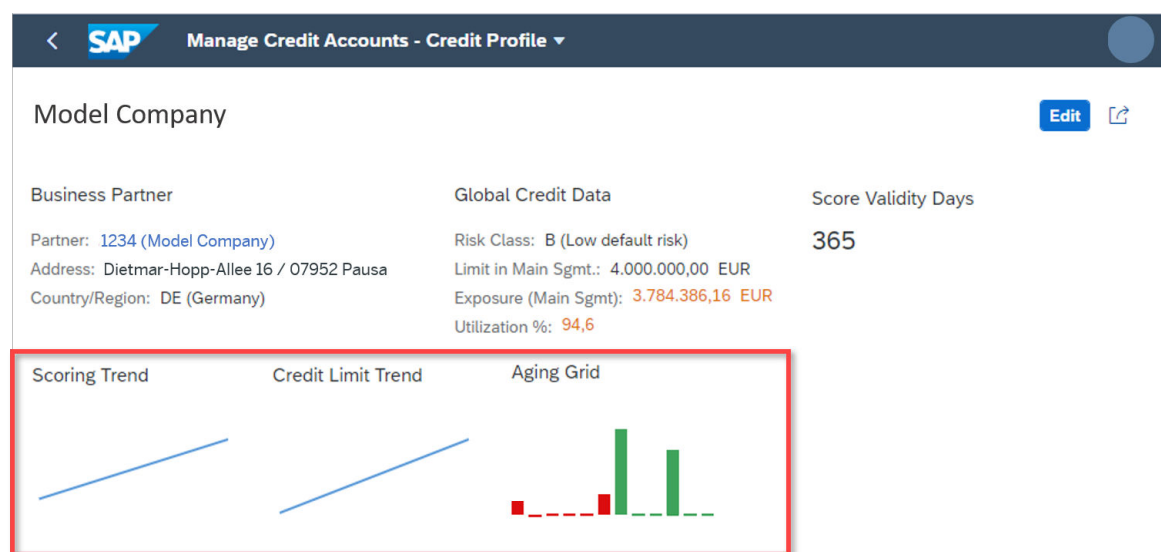
You can maintain the following sections in the credit profile: *Credit Insurances*, *Collateral*, *Negative Credit Events*, and *Check Exceptions*.

You can maintain the following sections in the credit segments: *Credit Insurances*, *Collateral*, *Check Exceptions*, and *Additional Credit Limit*.

To maintain these fields, choose **Edit**. In each respective section, new **Create** and **Delete** buttons are available.

- **Analytical Graphics**

3 new analytical graphics are available: *Scoring Trend*, *Credit Limit Trend*, and *Aging Grid* (screenshot in English only):



Scoring Trend: Shows the changes of internal scoring for the business partner. Available on the credit profile.

Credit Limit Trend: Shows the changes of the credit limit for the business partner. On the credit profile, you see the evaluation of the main segment. When you navigate into a segment, you see the respective evaluation for the segment.

Aging Grid: Shows the overdue amounts and the due amounts according to defined intervals. If you want to adjust the intervals, see [How to Adapt the Aging Grid](#).

Effects on System Administration

For technical reasons, you have to implement the following note to be able to use this app: [3072069](#)

Related Information

[Manage Credit Accounts](#)

3.8.2.2.3 API: Credit Management Master Data

This new service enables you to maintain data related to SAP Credit Management for business partners. For example, after creating new business partners, you can create the role SAP Credit Management for the business partners and maintain the relevant data. You can read, create and update data related to credit management for business partners in the business partner role SAP Credit Management, such as risk class, limit rule, or check rule. You can also read, create, update, and delete credit segment data, such as credit limit, special attention flag, block reason, and others.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD6 (Basic Credit Management) 1QM (Advanced Credit Management)
Application Component	FIN-FSCM-CR (Credit Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Credit Management Master Data](#)

3.8.2.2.4 New Information Category: High Season

The new information category [50 - Additional Adjustment](#) with information type [01 - High Season](#) is available.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD6 (Basic Credit Management) 1QM (Advanced Credit Management)
Application Component	FIN-FSCM-CR (Credit Management)
Valid as Of	SAP S/4HANA 2021

Additional Details

With the new information type [01 - High Season](#) in the new information category [50 - Additional Adjustment](#), you can maintain seasonal credit limit changes for a business partner. For example, you want to allow a higher credit limit during the harvest time for a business partner in the agricultural sector.

You can maintain information categories in the credit profile or in the credit segment. If you're using SAP Fiori apps, you can also maintain them in the [Maintain Business Partner](#) and [Manage Credit Accounts](#) apps.

3.8.2.2.5 Changed View: Integration of External Credit Agencies (V_UKM_EXTAG_INT)

A new integration option was added to the [Integration of External Credit Agencies](#) (V_UKM_EXTAG_INT) view. Depending on your system landscape, you might have to adjust your settings.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1RY (Credit Agency Integration)
Application Component	FIN-FSCM-CR (Credit Management) FIN-FSCM-CAI (Credit Agency Integration)
Valid as Of	SAP S/4HANA 2021

Additional Details

The [Active](#) flag is replaced by the [Integration](#) dropdown menu. You can select the following options:

- [<space> None](#): Default setting. You don't integrate with any external credit agencies.
- [O Custom](#): You integrate with external credit agencies using the Business Add-Ins [BAdI: ID Search](#) and [BAdI: Evaluate External Credit Information](#). These BAdIs are available in the IMG under the following path:
[Financial Supply Chain Management](#) > [Credit Management](#) > [Credit Risk Monitoring](#) > [Enhancements](#)
- [X SAP S/4HANA Cloud for credit integration](#): You integrate with external credit agencies using the solution SAP S/4HANA Cloud for credit integration.

Effects on Existing Data

If you have integrated with external credit agencies using the BAdIs [BAdI: ID Search](#) and [BAdI: Evaluate External Credit Information](#), you have to change the default setting [None](#) to [Custom](#) with this new release.

Related Information

[Integration with External Credit Agencies](#)

3.8.2.2.6 Display Credit Master Data (Deleted)

The [Display Credit Master Data](#) (SAP GUI) app has been deleted from the SAP Fiori launchpad as of this release. It has been replaced by the [Display Credit Account Data](#) (SAP Fiori) app.

Technical Details

Type	Deleted
Functional Localization	Not applicable
Scope Item	BD6 (Basic Credit Management) 1QM (Advanced Credit Management)
Application Component	FIN-FSCM-CR (Credit Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Display Credit Account Data](#)

3.8.2.2.7 Display Credit Exposure (Deleted)

The [Display Credit Exposure](#) (HTML GUI) app has been deleted from the SAP Fiori launchpad as of this release. It has been replaced by the [Display Credit Exposure](#) (SAP Fiori) app.

Technical Details

Type	Deleted
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Functional Localization	Not applicable
Scope Item	BD6 (Basic Credit Management) 1QM (Advanced Credit Management)
Application Component	FIN-FSCM-CR (Credit Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Display Credit Exposure](#)

3.8.2.2.8 Manage Business Partner - Credit Profile (Deprecated)

The [Manage Business Partner - Credit Profile](#) app is no longer supported and will be deleted from the SAP Fiori launchpad as of SAP S/4HANA 2022. It has been replaced by the [Manage Credit Accounts](#) app. The deprecated app may no longer be available by default on the SAP Fiori launchpad. In this case, you can find it in the app finder until it's deleted. We recommend that you switch to the successor app as soon as possible.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	BD6 (Basic Credit Management) 1QM (Advanced Credit Management)
Application Component	FIN-FSCM-CR (Credit Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Manage Credit Accounts](#)

[Maintain Business Partner: Credit Profile](#)

3.8.2.2.9 Display Credit Limit Utilization (Deprecated)

The [Display Credit Limit Utilization](#) app is no longer supported and will be deleted from the SAP Fiori launchpad as of S/4HANA 2022. It has been replaced by the [Credit Limit Utilization](#) app. The deprecated app may no longer be available by default on the SAP Fiori launchpad. In this case, you can find it in the app finder until it is deleted. We recommend that you switch to the successor app as soon as possible.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	BD6 (Basic Credit Management) 1QM (Advanced Credit Management)
Application Component	FIN-FSCM-CR (Credit Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Credit Limit Utilization](#)

3.8.2.2.10 Display Credit Data - Segment (Deprecated)

The [Display Credit Data - Segment](#) app is no longer supported and will be deleted from the SAP Fiori launchpad as of S/4HANA 2022. It has been replaced by the [Display Credit Account Data](#) app. The deprecated app may no longer be available by default on the SAP Fiori launchpad. In this case, you can find it in the app finder until it is deleted. We recommend that you switch to the successor app as soon as possible.

Technical Details

Type	Deprecated
Functional Localization	Not applicable

Scope Item	BD6 (Basic Credit Management)
	1QM (Advanced Credit Management)
Application Component	FIN-FSCM-CR (Credit Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Display Credit Account Data](#)

3.8.2.2.11 Display Credit Data - Credit Profile (Deprecated)

The [Display Credit Data - Credit Profile](#) app is no longer supported and will be deleted from the SAP Fiori launchpad as of SAP S/4HANA 2022. It has been replaced by the [Display Credit Account Data](#) app. The deprecated app may no longer be available by default on the SAP Fiori launchpad. In this case, you can find it in the app finder until it is deleted. We recommend that you switch to the successor app as soon as possible.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	BD6 (Basic Credit Management)
	1QM (Advanced Credit Management)
Application Component	FIN-FSCM-CR (Credit Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Display Credit Account Data](#)

3.8.2.2.12 Display Payment Behavior (Deprecated)

The [Display Payment Behavior](#) app is no longer supported and will be deleted from the SAP Fiori launchpad as of SAP S/4HANA 2022. It has been replaced by the [Display Credit Account Data](#) app. The deprecated app may no longer be available by default on the SAP Fiori launchpad. In this case, you can find it in the app finder until it is deleted. We recommend that you switch to the successor app as soon as possible.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	BD6 (Basic Credit Management) 1QM (Advanced Credit Management)
Application Component	FIN-FSCM-CR (Credit Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Display Credit Account Data](#)

[Display Payment Behavior](#)

3.8.2.2.13 Manage Credit Rules (Deprecated)

The [Manage Credit Rules](#) app is no longer supported and will be deleted from the SAP Fiori launchpad as of SAP S/4HANA 2022. It has been replaced by the job template [Update Rules for Scoring and Credit Check](#), which is available in the [Schedule Credit Management Jobs](#) app. The deprecated app may no longer be available by default on the SAP Fiori launchpad. In this case, you can find it in the app finder until it is deleted. We recommend that you switch to the successor app as soon as possible.

Technical Details

Type	Deprecated
------	------------

Functional Localization	Not applicable
Scope Item	BD6 (Basic Credit Management) 1QM (Advanced Credit Management)
Application Component	FIN-FSCM-CR (<i>Credit Management</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Schedule Credit Management Jobs](#)
[Update Rules for Scoring and Credit Check](#)

3.8.2.3 Collections Management

3.8.2.3.1 Process Receivables

Collection Specialists can use this app to collect open receivables. To do this, the app provides you with a list of all open receivables that exist with regard to a particular business partner. The *Process Receivables* app is supported by other new apps and is the starting point for managing promises to pay, resubmissions, collection contact persons, and documenting customer contacts.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BFC (Collections and Dispute Management)
Application Component	FIN-FIO-CCD-COL (<i>Fiori-UI for Collections and Dispute Management</i>) FIN-FSCM-COL (<i>Collections Management</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

This app consolidates data from other new apps: [Manage Promises to Pay \[page 322\]](#), [Manage Resubmissions \[page 323\]](#), [Manage Collection Contact Persons \[page 325\]](#), and [Manage Customer Contacts \[page 326\]](#). Use the *Process Receivables* app as a starting point to enter these supporting apps and directly maintain the related data.

This app (Fiori ID F0106A) replaces the *Process Receivables* app (Fiori ID F0106). The replaced app will be deleted from the SAP Fiori launchpad as of release 2022.

The following screenshot shows the overview of a business partner in the new *Process Receivables* app, including key data from *SAP Credit Management*, and a visualization of due and overdue amounts and the payment trend (English only):

The screenshot displays the SAP Fiori 'Process Receivables' app interface for business partner 10100001. The top header includes the SAP logo and navigation icons. Below the header, the business partner ID '10100001' is shown, along with buttons for 'Change Sticky Note' and 'Create Customer Contact'. The main content area is divided into several sections: 'Account Information' (Business Partner: 10100001 (Model Company), Collection Segment: YT_SEGMT01, Main Contact Person: Michel Maier, Last Contact At: 09/08/2020, 15:11:16), 'Credit Management' (Risk Class: B (Low Default Risk), Credit Limit: 10,000,000.00 USD, Credit Exposure: 770,566.97 USD, Utilization %: 7.7), 'Sticky Note' (Don't call on Thursday and Friday), 'Due Date Grid' (a bar chart showing due dates), and 'Payment Trend' (a line graph showing payment trends). Below these sections is a navigation bar with tabs for 'Invoices', 'Dispute Cases', 'Promises To Pay', 'Resubmissions', 'Collection Contacts', 'Company Relationships', and 'Notes'. The 'Invoices' tab is selected, showing a table of 'Invoice Items (409)' with columns for Journal Entry, Posting Key, Net Due Date, Original Amount, Open Amount, Paid Amount, Credited Amount, Billing Document, Resubmission Date, Dispute Case, and Promise to Pay. The table lists several invoice items, including invoices and outgoing/incoming payments.

Journal Entry	Posting Key	Net Due Date	Original Amount	Open Amount	Paid Amount	Credited Amount	Billing Document	Resubmission Date	Dispute Case	Promise to Pay
1800001367	01 Invoice	07/31/2020 (48)	1,000.00 EUR	900.00 EUR	100.00 EUR	0.00 EUR			10000000233	20000000101
1400000870	19 Special G/L credit	09/08/2020 (9)	-75.63 EUR	-75.63 EUR	0.00 EUR	0.00 EUR			10000000232	
1400000854	05 Outgoing payment	08/31/2020 (17)	200.00 EUR	200.00 EUR	0.00 EUR	0.00 EUR		09/24/2020	10000000231	
1400000801	15 Incoming payment	08/20/2020 (28)	-50.00 EUR	-50.00 EUR	0.00 EUR	0.00 EUR			10000000162	
1800001366	01 Invoice	07/31/2020 (48)	1,000.00 EUR	1,000.00 EUR	0.00 EUR	0.00 EUR			10000000141	20000000112

Effects on System Administration

The app is included in the following standard business catalogs:

- [Accounts Receivable - Document Processing](#) (SAP_SF1N_BC_AR_DOC_PROC)
- [Accounts Receivable - Collections](#) (SAP_SF1N_BC_AR_COLWL)

Related Information

[Process Receivables](#)

[Customizing Activity: Activate Distribution of Invoice Information by Company Code \[page 333\]](#)

3.8.2.3.2 Manage Promises to Pay

Use this new app to manage promises to pay of customers, which were created in the collection process using the [Process Receivables](#) app.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BFC (Collections and Dispute Management)
Application Component	FIN-FIO-CCD-COL (Fiori-UI for Collections and Dispute Management) FIN-FSCM-COL (Collections Management)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following screenshot shows the overview of a promise to pay in the new [Manage Promises to Pay](#) app, including the status of the promise to pay, the promised amount, and related customer information (English only):

The screenshot displays the SAP 'Manage Promises to Pay' app interface. At the top, the header shows the SAP logo and the title 'Promise to Pay'. Below the header, the promise ID '20000000112' is shown, along with a status 'Not on Schedule' and buttons for 'Edit' and 'Show Previous Promises to Pay'. The main section displays the 'Promised Amount' as '1,000.00 EUR' and 'Days Until Promised Payment Date' as '54'. A navigation bar below this section includes tabs for 'Promise to Pay', 'Contact Information', 'Related Journal Entries', 'Installment Plan Information', 'Related Installment Plan', 'Installment Plan Status', 'Notes', and 'Attachments'. The 'Promise to Pay' tab is active, showing details for customer '10100001 (Model Company)'. The details are organized into four columns: Customer Information (Company Code: 1010), External Reference (Not on Schedule), Promised Amount (1,000.00 EUR, Promised For: 11/10/2020, Promised On: 09/08/2020), and Level (2, Last Payment: -, Paid Amount: 0.00 EUR). Below this, the 'Contact Information' tab is active, showing contact details for 'Michel Maier' (Contact Person: 465, Telephone No.: 09897656, Email: michel.maier@modelcompany.com) and system information (Created By: John ArAccountant, Created At: 09/08/2020, 15:11:15, Changed By: SAP System Processing, Last Changed At: 09/13/2020, 03:00:13, Closed By: -, Closed At: -).

You can create and edit installment plans with this app (screenshot in English only):

The screenshot displays the SAP Promise to Pay app interface. At the top, the header shows the SAP logo and the title 'Promise to Pay'. Below the header, the document number '103032' and status 'Broken' are visible. The main content area is divided into several tabs: 'Promise to Pay', 'Contact Information', 'Related Journal Entries', 'Installment Plan Information' (selected), 'Related Installment Plan', 'Installment Plan Status', 'Notes', and 'Attachments'. The 'Installment Plan Information' tab shows details for 3 installments, an open amount of 10,000.00 EUR, and a due date of 10.10.2020. The 'Related Installment Plan' tab shows a table of installment items with due dates and amounts. The 'Installment Plan Status' tab shows a table of installment items with due dates, amounts, and states.

Installment Due Date	Installment Amount	Open Amount	Paid on Sched.	Not on Schedule	Overdue Amount	State
10.10.2020	10,000.00 EUR	10,000.00 EUR	0,00 EUR	0,00 EUR	0,00 EUR	Open
10.11.2020	10,000.00 EUR	10,000.00 EUR	0,00 EUR	0,00 EUR	0,00 EUR	Open
10.12.2020	10,000.00 EUR	10,000.00 EUR	0,00 EUR	0,00 EUR	0,00 EUR	Open

Effects on System Administration

The app is included in the following standard business catalogs:

- [Accounts Receivable - Document Processing](#) (SAP_SF1N_BC_AR_DOC_PROC)
- [Accounts Receivable - Collections](#) (SAP_SF1N_BC_AR_COLWL)

Related Information

[Manage Promises to Pay](#)

3.8.2.3.3 Manage Resubmissions

Use this new app to manage resubmissions for business partners that were created for outstanding receivables. You use these resubmissions in the collection process with the [Process Receivables](#) app.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BFC (Collections and Dispute Management)
Application Component	FIN-FIO-CCD-COL (<i>Fiori-UI for Collections and Dispute Management</i>) FIN-FSCM-COL (<i>Collections Management</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following screenshot shows the overview of a resubmission in the new *Manage Resubmissions* app, including related data and journal entries (English only):

The screenshot displays the SAP Manage Resubmissions app interface. At the top, the header shows the SAP logo and the title 'Resubmission'. Below the header, the 'Model Company' is listed as 'Contact Person Absent', with buttons for 'Edit' and 'Complete Resubmission'. A section titled 'Days Since Resubmission Date' shows the number '7'. The main content area is divided into tabs: 'Resubmission Data', 'Related Journal Entries', 'Notes', and 'Attachments'. The 'Resubmission Data' tab is active, showing 'General Data' and 'Administrative Data'. The 'General Data' section includes fields for 'Resubmission Date' (09/10/2020), 'Resubmission Reason' (0001 (Contact Person Absent)), and 'Business Partner' (10100001 (Model Company)). The 'Administrative Data' section includes fields for 'Collection Segment' (YT_SEGMT01 (Collection Segment YT_SEGMT01)), 'Status' (Open), 'Created By' (CB9980000700), 'Created At' (08/27/2020, 13:15:14), 'Changed By' (John ArAccountant), and 'Last Changed At' (09/07/2020, 17:19:44). Below the data sections, the 'Related Journal Entries' tab is active, showing a table of 'Related Journal Entry Items (1)'. The table has columns for 'Company Code', 'Journal Entry', 'Fiscal Year', and 'Posting View Item'. The data row shows '1010' for Company Code, '1800001385' for Journal Entry, '2020' for Fiscal Year, and '1' for Posting View Item.

Company Code	Journal Entry	Fiscal Year	Posting View Item
1010 Company Code 1010	1800001385	2020	1

Effects on System Administration

The app is included in the following standard business catalogs:

- [Accounts Receivable - Document Processing](#) (SAP_SF1N_BC_AR_DOC_PROC)
- [Accounts Receivable - Collections](#) (SAP_SF1N_BC_AR_COLWL)

Related Information

[Manage Resubmissions](#)

3.8.2.3.4 Manage Collection Contact Persons

Use this new app to create and manage contact persons for business partners. You use these contacts in the collection process with the [Process Receivables](#) app.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BFC (Collections and Dispute Management)
Application Component	FIN-FIO-CCD-COL (Fiori-UI for Collections and Dispute Management) FIN-FSCM-COL (Collections Management)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following screenshot shows the overview page of a collection contact person at a business partner, including relevant business partner information and communication details (English only):

The screenshot shows the SAP interface for a 'Contact Person' record. At the top, there's a header bar with the SAP logo, a back arrow, and the title 'Contact Person'. On the right of the header are icons for search, help, and user profile. Below the header, the name 'Michel Maier' is displayed with the role 'Sales Manager'. To the right of the name are 'Edit', 'Delete', and a share icon. Below this is a tab bar with two tabs: 'Contact Details' (selected) and another tab with a magnifying glass icon. The main content area is divided into three columns: 'General Information', 'Communication Details', and 'Employment Details'.

General Information	Communication Details	Employment Details
Business Partner: 10100001 (Model Company)	Telephone: 09897656	Function: 0003 (Sales Manager)
Contact Person: 1011043	Mobile:	Department: 0003 (Sales)
Collection Segment: YT_SEGMT01 (Collection Segment YT_SEGMT01)	Fax:	Is Default Contact: Yes
First Name: Michel	Email Address: michel.maier@modelcompany.com	
Last Name: Maier		

Effects on System Administration

The app is included in the following standard business catalogs:

- [Accounts Receivable - Document Processing](#) (SAP_SF1N_BC_AR_DOC_PROC)
- [Accounts Receivable - Collections](#) (SAP_SF1N_BC_AR_COLWL)

Related Information

[Manage Collection Contact Persons](#)

3.8.2.3.5 Manage Customer Contacts

Use this new app to create and manage the customer contacts for your business partners, which are created by collections specialists as result of a customer contact. You use these contacts in the collection process with the [Process Receivables](#) app.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BFC (Collections and Dispute Management)
Application Component	FIN-FIO-CCD-COL (<i>Fiori-UI for Collections and Dispute Management</i>) FIN-FSCM-COL (<i>Collections Management</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following screenshot shows a customer contact in the app, including the result of the contact and related object during the customer contact (English only):

The screenshot displays the SAP Customer Contact app interface. At the top, the header shows 'SAP Customer Contact' with navigation icons. Below the header, the main content area is divided into sections:

- Call Outbound:** Includes buttons for 'Send Email' and 'Manage Collections Worklist'.
- Customer Was Reached:** A status indicator showing 'Yes'.
- Customer Contact Details:** A section with tabs for 'Customer Contact', 'Contact Information', 'Objects Created During Customer Contact', 'Notes', and 'Attachments'. The 'Customer Contact' tab is active, showing:
 - Business Partner: 10100001 (Model Company)
 - Collection Segment: YT_SEGMT01 (Collection Segment YT_SEGMT01)
 - Collection Specialist: John ArAccountant
 - Contact Direction: O (Outbound)
 - Contact Type: 001 (Call)
 - Result of Contact: 001 (Customer Reached)
 - Customer Contact Time: 09/08/2020, 15:11:16
- Contact Information:** A section showing contact details:
 - Contact Person Key: 0000000465
 - Telephone No.: 09897656
 - Contact Person: Michel Maier
 - Fax Number:
 - Email: michel.maier@modelcompany.com
 - Created By: John ArAccountant
 - Created At: 09/08/2020, 15:12:47
 - Last Changed By: John ArAccountant
 - Last Changed At: 09/09/2020, 15:12:16
- Objects Created During Customer Contact:** A section showing a list of objects:
 - Customer Contact Objects (1)
 - Object Key: 020000000112
 - Object Description: Promise to Pay

Effects on System Administration

The app is included in the following standard business catalogs:

- [Accounts Receivable - Document Processing](#) (SAP_SFIN_BC_AR_DOC_PROC)
- [Accounts Receivable - Collections](#) (SAP_SFIN_BC_AR_COLWL)

Related Information

[Manage Customer Contacts](#)

3.8.2.3.6 Display Head Office Receivables

Use this new app to display the customer line items of the head office debtor account which belong to your currently processed business partner in the collection segment. To use this function, it's required to actively use the head office / branch relationship in accounts receivable accounting. You access this app via the [Process Receivables](#) app.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BFC (Collections and Dispute Management)
Application Component	FIN-FIO-CCD-COL (Fiori-UI for Collections and Dispute Management) FIN-FSCM-COL (Collections Management)
Valid as Of	SAP S/4HANA 2021

Additional Details

You access the app via the [Process Receivables](#) app (screenshot in English only):

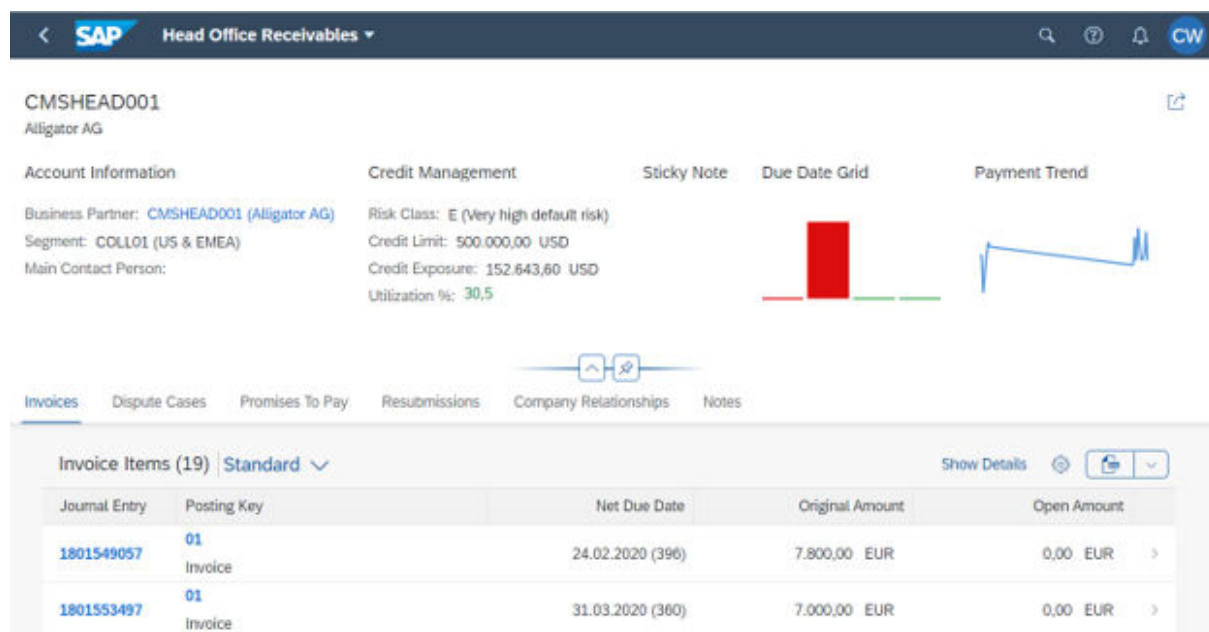
Process Receivables

CMSHEAD001
Alligator AG

Create Sticky Note Create Customer Contact **Display Head Office Receivables**

Account Information	Credit Management	Sticky Note
Business Partner: CMSHEAD001 (Alligator AG)	Risk Class: E (Very high default risk)	
Collection Segment: COLL01 (US & EMEA)	Credit Limit: 500.000,00 USD	
Main Contact Person:	Credit Exposure: 152.643,60 USD	
Last Contact At: 09.09.2020, 04:47:56	Utilization %: 30,5	

The new app includes key figures and data from Credit Management and Dispute Management (screenshot in English only):



Effects on System Administration

The app is included in the following standard business catalogs:

- [Accounts Receivable - Document Processing](#) (SAP_SF1N_BC_AR_DOC_PROC)
- [Accounts Receivable - Collections](#) (SAP_SF1N_BC_AR_COLWL)

Related Information

[Display Head Office Receivables](#)

3.8.2.3.7 Manage Collections Master Data

Use this new app to maintain the collection master data for your business partners. You can change the collection profile for a business partner, maintain the collection groups and assign collection specialists.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BFC (Collections and Dispute Management)
Application Component	FIN-FIO-CCD-COL (<i>Fiori-UI for Collections and Dispute Management</i>) FIN-FSCM-COL (<i>Collections Management</i>)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

The app is included in the following standard business catalogs:

- [Accounts Receivable - Document Processing](#) (SAP_SF1N_BC_AR_DOC_PROC)
- [Accounts Receivable - Collections](#) (SAP_SF1N_BC_AR_COLWL)

Related Information

[Manage Collections Master Data](#)

3.8.2.3.8 Manage Invoice Prioritization Rules

Use this new app to define rules to prioritize invoices by the collection strategies. This supports collections specialists in their daily work, since the invoices in the [Process Receivables](#) app are prioritized.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BFC (Collections and Dispute Management)

Application Component	FIN-FIO-CCD-COL (<i>Fiori-UI for Collections and Dispute Management</i>) FIN-FSCM-COL (<i>Collections Management</i>)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

The app is included in the following standard business catalogs:

- *Accounts Receivable - Document Processing* (SAP_SFIN_BC_AR_DOC_PROC)
- *Accounts Receivable - Collections* (SAP_SFIN_BC_AR_COLWL)

Related Information

[Manage Invoice Prioritization Rules](#)
[How to Prioritize Invoices](#)

3.8.2.3.9 Migrate Collection Contact Persons

If you have maintained temporary contact persons for a business partner, you can use this app to migrate these. This is necessary for the transition to the new *Process Receivables* app.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BFC (Collections and Dispute Management)
Application Component	FIN-FIO-CCD-COL (<i>Fiori-UI for Collections and Dispute Management</i>) FIN-FSCM-COL (<i>Collections Management</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

Temporary contact persons are contacts that aren't created as business partner in the system. To display these in the new [Process Receivables](#) app (F0106A), migrate your temporary contact persons to business partners or to a sticky note using this new app.

The [Migrate Collection Contact Persons](#) app supports the transition from the deprecated [Process Receivables](#) app (F0106) to the new [Process Receivables](#) app (F0106A). It's deprecated and will be deleted from the SAP Fiori launchpad together with the deprecated [Process Receivables](#) app as of SAP S/4HANA Cloud 2105.

3.8.2.3.10 Situation Template: Collections Invoice Information

You want accounts receivables accountants to be informed automatically of certain information related to the invoices that appear on their collections worklist in the [Process Receivable](#) app. You can highlight recommended actions using this situation template.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BFC (Collections and Dispute Management)
Application Component	FIN-FIO-CCD-COL (Fiori-UI for Collections and Dispute Management) FIN-FSCM-COL (Collections Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Situation Template: Collections Invoice Information](#)

[Example - How to Adapt the Situation Template: Collections Invoice Information](#)

3.8.2.3.11 Customizing Activity: Activate Distribution of Invoice Information by Company Code

Use this new Customizing activity to activate the company codes for which you want the invoice information to be available in the new [Process Receivables](#) app.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BFC (Collections and Dispute Management)
Application Component	FIN-FSCM-COL (Collections Management)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

Specify whether you want the invoice information for your company codes to be available in the Process Receivables app.

In this way, you can exclude, for example, invoices from company codes that are not used.

For new and existing company codes, make this setting for all company codes individually.

You can find the activity in the IMG under the following path:

► [Financial Supply Chain Management](#) ► [Collections Management](#) ► [Integration with Accounts Receivable Accounting](#) ► [Distribution of Data in Collections Management](#) ► [Activate Distribution of Invoice Information by Company Code](#) ►

Related Information

[Process Receivables \[page 320\]](#)

3.8.2.4 Dispute Resolution

3.8.2.4.1 Manage Dispute Cases

Use this app to analyze and further process existing dispute cases. This new app is a revision to the former [Manage Dispute Cases](#) app. It comes with improved performance, in-depth data insight, and an improved the user experience.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BFC (Collections and Dispute Management)
Application Component	FIN-FIO-CCD-COL (Fiori-UI for Collections and Dispute Management) FIN-FSCM-DM (Dispute Management)
Valid as Of	SAP S/4HANA 2021

Additional Details

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SAP

Dispute Case ▾

🔍

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👤

10000000081

Underdelivery or shortshipment

Edit

Void Dispute Case

Send Email

🔗

Disputed Amount Days Since Processing Deadline Days Since Planned Close Date

3600.14 USD 24 17

⏮

⏭

⏹

Case Overview

Assignees & Agreements

Amounts

Contact Information

Related Objects

Change Protocol

Notes

Attachments

General Data

Case Title:
Test1_Takt3

Customer:
[10100001 \(Model Company\)](#)

Company Code:
1010 (Company Code 1010)

External Reference:
0090004228

Status:
10 (New)

Case Details

Category:
0002 (Complaints/ Logistics)

Reason:
0004 (Underdelivery or shortshipment)

Root Cause Code:
—

Priority:
High

Escalation Reason:
—

Assignees & Agreements

Process Assignees

Processor:
[John Consultant](#)

Coordinator:
[John Consultant](#)

Person Responsible:
[John Consultant](#)

Service Level Agreements

Processing Deadline:
08/24/2020

Planned Close Date:
08/31/2020

Effects on Existing Data

To make existing attachments available in this app, you have to migrate attachments. For this purpose, the following app is available for you: [Migrate Attachments for Dispute Cases \(Deprecated\)](#)

This app (SAP Fiori ID F0702A) is the successor of the [Manage Dispute Cases](#) app (SAP Fiori ID F0702). The replaced [Manage Dispute Cases](#) app is no longer supported and will be deleted from the SAP Fiori launchpad as of release 2022. The app may no longer be available by default on the SAP Fiori launchpad. In this case, you can find it in the app finder until it is deleted. We recommend that you switch to the successor app as soon as possible.

Effects on System Administration

The app is included in the following standard business catalog:

- [Accounts Receivable - Dispute Resolution](#) (SAP_SFİN_BC_AR_DISPUTE_RES)

Related Information

[Manage Dispute Cases](#)

3.8.2.4.2 Migrate Attachments for Dispute Cases

Use this new app to migrate the attachments related to dispute cases. This is necessary to make existing attachments available in the new [Manage Dispute Cases](#) app.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BFC (Collections and Dispute Management)
Application Component	FIN-FIO-CCD-COL (Fiori-UI for Collections and Dispute Management) FIN-FSCM-DM (Dispute Management)
Valid as Of	SAP S/4HANA 2021

Additional Details

This app supports the transition from the deprecated Manage Dispute Cases app (SAP Fiori ID F0702) to the successor app (SAP Fiori ID F0702A). It will be removed from the SAP Fiori launchpad, along with the replaced app, as of SAP S/4HANA Cloud release 2105. Please plan the migration of your attachments accordingly.

Effects on System Administration

The app is included in the following new standard business catalog:

- Accounts Receivable - Migrate Attachments for Dispute Cases (SAP SFIN BC AR DM MIG)

Related Information

Migrate Attachments for Dispute Cases (Deprecated)

3.8.2.4.3 Situation Handling for Manage Dispute Cases

The new template *Dispute Case Processing* (FIN_FSCM_DISPUTECASE) is available for Situation Handling. It can be used to inform accounts receivable accountants about changes in the processing state of their dispute cases. Adapt this generic template to your purposes.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BFC (Collections and Dispute Management)
Application Component	FIN-FIO-CCD-COL (<i>Fiori-UI for Collections and Dispute Management</i>) FIN-FSCM-DM (<i>Dispute Management</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Situation Template: Dispute Case Processing](#)

[Example - How to Adapt the Situation Template: Dispute Case Processing](#)

3.8.2.4.4 Teams for Dispute Resolution

You can use the capabilities of Responsibility Management to manage teams and responsibilities for Dispute Resolution.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BFC (Collections and Dispute Management)
Application Component	FIN-FIO-CCD-COL (<i>Fiori-UI for Collections and Dispute Management</i>) FIN-FSCM-DM (<i>Dispute Management</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following team is available:

Team Category	Team Type	Team Roles
<i>Dispute Case Processing</i> (FSCM_DC)	<i>Dispute Case Processing</i> (FSCM_DC)	<ul style="list-style-type: none"><i>Dispute Case Manager</i> (DC_MNGR)<i>Dispute Case Processor</i> (DC_PROC)

Related Information

[Managing Teams and Responsibilities for Dispute Resolution](#)

[Managing Teams and Responsibilities for Dispute Resolution](#)

3.8.3 Settlement Management

3.8.3.1 Manage Supplier Condition Contracts

With this feature, you can get an overview of supplier condition contracts related to purchasing rebate processing with the ability to search for specific supplier condition contracts, as well as to perform actions quickly like, for example, lock and release supplier condition contracts for settlement. You can navigate to a specific supplier condition contract to display additional information such as the current contract value and open accruals amount.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	2R7 (Purchasing Rebate Processing)
Application Component	LO-GT-CHB (<i>Settlement Management</i>)
Available As Of	SAP S/4HANA 2021

Effects on System Administration

View SAP Note [3031293](#)  to learn more.

Related Information

[Manage Supplier Condition Contracts](#)

3.8.3.2 Manage Customer Condition Contracts

This feature enables you to get an overview of your customer condition contracts related to sales rebate processing with the ability to search for and navigate to specific customer condition contracts. You can perform actions quickly, like, for example, lock and release customer condition contracts for settlement.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1B6 (Sales Rebate Processing)
Application Component	LO-GT-CHB (Settlement Management)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

View SAP Note [3031293](#)  to learn more.

Related Information

[Manage Customer Condition Contracts](#)

3.8.3.3 Manage Royalty Condition Contracts

With this feature, you can get an overview of your royalty condition contracts related to royalties settlement processing with the ability to search for and navigate to specific royalty condition contracts. You can perform actions quickly, like, for example, lock and release royalty condition contracts for settlement.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	55I (Royalties Settlement for Sales)
Application Component	LO-GT-CHB (Settlement Management)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

View SAP Note [3031293](#) to learn more.

Related Information

[Manage Royalty Condition Contracts](#)

3.8.3.4 Manage Settlement Documents

With this feature, you can now view pricing and account assignment information of a current settlement document and analyze the full document flow in a detailed way. Dependent on the relevancy of settlement documents, you can now view contract accounting information and journal entry data.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1B6 (Sales Rebate Processing), 2R7 (Purchasing Rebate Processing), 2TT (Sales Commissions - External Sales Representative), 55I (Royalties Settlement for Sales)
Application Component	LO-AB (Settlement Management)
Available As Of	SAP S/4HANA 2021

Related Information

[Manage Settlement Documents](#)

3.8.3.5 Manage Scheduling Worklists - Settlement Management

With this feature, you can get an overview of all settlement management scheduling worklists relevant to your role. You can easily create scheduling worklists for condition contract settlement, manage and monitor your

scheduling worklists, and get a detailed view of a selected scheduling worklist including processing statuses and error information of assigned work items.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1B6 (Sales Rebate Processing), 2R7 (Purchasing Rebate Processing), 2TT (Sales Commissions - External Sales Representative), 55I (Royalties Settlement for Sales)
Application Component	LO-AB (Settlement Management)
Available As Of	SAP S/4HANA 2021

Related Information

[Manage Scheduling Worklists - Settlement Management](#)

3.8.3.6 Display Settlement Dates

This feature enables you to display a list of settlement dates together with their condition contracts. You can filter the list of settlement dates by selecting different filter criteria, such as settlement date, settlement date type, condition contract, supplier, customer, sales organization, purchasing organization, or settlement status.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1B6 (Sales Rebate Processing) 2TT (Sales Commissions - External Sales Representative) 2R7 (Purchasing Rebate Processing)
Application Component	LO-GT-CHB (Settlement Management)

Related Information

[Display Settlement Dates](#)

3.8.3.7 Personnel Settlement Document

This feature enables you to display personnel settlement document data that was created in Settlement Management based on commissions data transferred from SAP Sales. You can enter the personnel settlement document directly using the Enterprise Search. You can display the details of the personnel settlement document data from within the *Manage Personnel Settlement Documents* app and *Monitor Personnel Settlement Documents* app.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	3TD (Internal Commissions Settlement with SAP Sales Cloud)
Application Component	LO-AB (Settlement Management)
Available As Of	SAP S/4HANA 2021

Related Information

[Personnel Settlement Document](#)

3.8.3.8 Analyze Detailed Statement: Royalties

This feature enables you to view an itemization of the business volume for selected condition contract settlement documents. The sales billing documents relevant for royalties are the business volume base.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	55I (Royalties Settlement for Sales)
Application Component	LO-GT-CHB (Settlement Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Analyze Detailed Statement: Royalties](#)

3.8.3.9 Schedule Contract Settlement - Royalty Contracts

This feature enables you to create, schedule, and monitor the settlement of royalty condition contracts.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	55I (Royalties Settlement for Sales)
Application Component	LO-GT-CHB (Settlement Management)
Available As Of	SAP S/4HANA 2021

Related Information

[Schedule Contract Settlement - Royalty Contracts](#)

3.8.3.10 Schedule Accruals Update - Royalty Contracts

This feature enables you to create, schedule, and monitor the update of accruals relevant to royalty condition contracts.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	55I (Royalties Settlement for Sales)
Application Component	LO-GT-CHB (Settlement Management)
Available As Of	SAP S/4HANA 2021

Related Information

[Schedule Accruals Update - Royalty Contracts](#)

3.8.3.11 Schedule Accruals Reversal - Royalty Contracts

This feature enables you to create and schedule jobs to reverse open accruals for obsolete royalty condition contracts that were relevant for settlement.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	55I (Royalties Settlement for Sales)
Application Component	LO-GT-CHB (Settlement Management)
Available As Of	SAP S/4HANA 2021

Related Information

[Schedule Accruals Reversal - Royalty Contracts](#)

3.8.3.12 Schedule Settlement Document List Creation

With this feature, you can manually schedule a job to create settlement document lists. You can specify which settlement management documents are to be considered in the job (for example, only those with a specific settlement document type, settlement process type, posting date, or bill-to party). At the appointed time, the system then creates the settlement document lists.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-AB (Settlement Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Schedule Settlement Document List Creation](#)

3.8.3.13 Schedule Customer Settlement Creation

With this feature, you can manually schedule a job to create customer settlements. You can specify which settlement management documents are to be considered in the job (for example, only those with a specific settlement document type, settlement process type, posting date, or bill-to party). At the appointed time, the system then creates the customer settlements.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-AB (Settlement Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Schedule Customer Settlement Creation](#)

3.8.3.14 Schedule Customer Settlement List Creation

With this feature, you can manually schedule a job to create customer settlement lists. You can specify which settlement management documents are to be considered in the job (for example, only those with a specific settlement document type, settlement process type, posting date, or bill-to party). At the appointed time, the system then creates the customer settlement lists.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-AB (Settlement Managment)
Valid as Of	SAP S/4HANA 2021

Related Information

[Schedule Customer Settlement List Creation](#)

3.8.3.15 Schedule Supplier Settlement Creation

With this feature, you can manually schedule a job to create supplier settlements. You can specify which settlement management documents are to be considered in the job (for example, only those with a specific settlement document type, settlement process type, posting date, or bill-to party). At the appointed time, the system then creates the supplier settlements.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-AB (Settlement Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Schedule Supplier Settlement Creation](#)

3.8.3.16 Schedule Supplier Settlement List Creation

With this feature, you can manually schedule a job to create supplier settlement lists. You can specify which settlement management documents are to be considered in the job (for example, only those with a specific settlement document type, settlement process type, posting date, or bill-to party). At the appointed time, the system then creates the supplier settlement lists.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	LO-AB (Settlement Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Schedule Supplier Settlement List Creation](#)

3.8.3.17 Schedule Mass Pricing - Settlement Management

With this feature, you can manually schedule the mass pricing of settlement management documents. You can specify which settlement management documents are to be considered in the job (for example, only those with a specific settlement document type, settlement process type, posting date, or bill-to party). The system then carries out the mass pricing for the selected settlement management documents at the appointed time.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1B6 (Sales Rebate Processing) 2R7 (Purchasing Rebate Processing) 2TT (Sales Commissions - External Sales Representative) 55I (Royalties Settlement for Sales)
Application Component	LO-AB (Settlement Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Schedule Mass Pricing - Settlement Management](#)

3.8.3.18 Schedule Document Completion - Settlement Management

With this feature, you can manually schedule the completion of settlement management documents. You can specify which settlement management documents are to be considered in the job (for example, only those with a specific settlement document type, settlement process type, posting date, or bill-to party). The system then completes the selected settlement management documents at the appointed time.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1B6 (Sales Rebate Processing) 2R7 (Purchasing Rebate Processing) 2TT (Sales Commissions - External Sales Representative) 55I (Royalties Settlement for Sales)
Application Component	LO-AB (Settlement Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Schedule Document Completion - Settlement Management](#)

3.8.3.19 Schedule Revoke Completion - Settlement Management

With this feature, you can manually schedule a job to revoke the completion of settlement management documents. You can specify which settlement management documents are to be considered in the job (for example, only those with a specific settlement document type, settlement process type, posting date, or bill-to party). At the appointed time, the system then revokes the completion of the selected settlement management documents.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-AB (Settlement Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Schedule Revoke Completion - Settlement Management](#)

3.8.3.20 Schedule Document Message Processing

With this feature, you can manually schedule the message processing of settlement management documents, for example, the processing of messages with the status [Not processed](#) or [In preparation](#). You can specify which settlement documents are to be considered in the job, for example, only those with a certain posting date or document date. The system then processes the messages at the appointed time and, provided the job completes successfully, changes the message status to [Successfully processed](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-AB (Settlement Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Schedule Document Message Processing - Settlement Management](#)

3.8.3.21 Schedule Document Message Redetermination

With this feature, you can manually schedule the message redetermination of settlement management documents. You can specify which settlement management documents are to be considered in the job (for example, only those with a specific settlement document type, settlement process type, posting date, or bill-to party). The system then redetermines the messages for the selected settlement management documents at the appointed time.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-AB (Settlement Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Schedule Document Message Redetermination - Settlement Management](#)

3.8.3.22 Enterprise Search

With this feature, you can search for additional business objects in Settlement Management directly from the SAP Fiori launchpad.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-AB (Settlement Management)

Additional Details

The additional business objects are as follows:

- Customer settlement documents
For more information, see [Search for Customer Settlement Documents](#).
- Supplier settlement documents
For more information, see [Search for Supplier Settlement Documents](#).
- Expense settlement documents
For more information, see [Search for Expense Settlement Documents](#).
- Supplier billing documents
For more information, see [Search for Supplier Billing Documents](#).
- Customer settlement list documents
For more information, see [Search for Customer Settlement List](#).
- Supplier settlement list documents
For more information, see [Search for Supplier Settlement List](#).
- Settlement document lists
For more information, see [Search for Settlement Document List](#).

You can already use enterprise search to search for condition contracts, settlement documents, and personnel settlement documents.

3.8.3.23 OData API: *Condition Contract*

With this feature, you can retrieve and process transactional data of condition contracts.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-GT-CHB (Settlement Management)
Available As Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com/>)

Related Information

[Condition Contract](#)


3.8.3.24 OData API: *Settlement Document*

This feature enables you to consume settlement documents that can be used by external applications. It has been further enhanced. You can now read pricing elements of settlement documents on header and item level, complete settlement documents, and revoke the completion.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-AB (Settlement Management)
Available As Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com/>)

Related Information

[Settlement Document](#)

3.8.3.25 CDS Views for Settlement Management

New CDS views are available for Settlement Management. One CDS view has been deprecated.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	See the table below
Available As Of	SAP S/4HANA 2021

Additional Details

Name	Status	Application Component
I_CndnContrActvtnStatus(Condition Contract Activation Status) For more information, see Condition Contract Activation Status	New	LO-GT-CHB
C_ExpnSettlmtDEX (Expense Settlement Extraction) For more information, see Expense Settlement Extraction	New	LO-AB
C_SuplrBillgDocDEX(Supplier Billing Document Extraction) For more information, see Supplier Billing Document Extraction	New	LO-AB
C_SuplrSettlmtDEX (Supplier Settlement Extraction) For more information, see Supplier Settlement Extraction	New	LO-AB

Name	Status	Application Component
C_CustSettlmtDEX(Customer Settlement Extraction)	New	LO-AB
For more information, see Customer Settlement Extraction		
I_CndnContrIsInactive (Condition Contract Inactive State)	Deprecated	LO-GT-CHB
For more information, see Condition Contract Inactive State		

Related Information

[CDS Views for Settlement Management](#)

3.8.3.26 *Settlement Document List Events*

Three new Settlement Document List events are now available to inform a remote system about created, changed and released settlement document lists in the SAP S/4HANA system.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-AB (Settlement Management)
Available As Of	SAP S/4HANA 2021

Additional Details

The [Settlement Document List](#) business object triggers the following events:

- [Created](#): This event is raised when a settlement document list instance has been created.

- **Changed:** This event is raised when a settlement document list instance has been changed.
- **Released:** This event is raised when settlement document list instance has been released.

This event is available on the SAP API Business Hub (<https://api.sap.com/>.

Related Information

[Business Event Handling for Settlement Document List](#)

3.8.3.27 Multiple Address Handling for Business Partners in Settlement Management

This feature enables you to easily handle multiple addresses for your business partners in settlement management documents.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-AB (Settlement Management)
Valid as Of	SAP S/4HANA 2021

Additional Details

Multiple address handling requires the activation of the business functions *Multiple Address Handling for Customer Master Data in Business Partner* and *Multiple Address Handling for Business Partners in Sales and Distribution*. For detailed information and general prerequisites, see [Multiple Address Handling for Customer Master Data in Business Partner](#) and [Multiple Address Handling for Business Partners in Sales and Distribution](#).

Effects on Customizing

To use multiple address handling in Settlement Management, you need to maintain the partner schema on the header level of relevant settlement management document types in Customizing for [Settlement Management](#)

under ► [Basic Settings](#) ► [Partner Determination on Header Level](#) ►. If you want to use multiple addresses for your item partners, you must maintain the partner schema on item level.

Related Information

[Multiple Address Handling for Business Partners in Settlement Management](#)

[Multiple Address Handling in SD Documents Using SAP Business Partner \[page 717\]](#)

3.9 Billing and Revenue Innovation Management

3.9.1 Convergent Invoicing

3.9.1.1 App for Uploading of Consumption Items

With the [Upload Consumption Items](#) app, you can import consumption items for Convergent Invoicing from an external source file. You can also simulate an upload of consumption items.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-INV (Convergent Invoicing)
Available As Of	SAP S/4HANA 2021

Effects on Data Transfer

This app enables you to transfer consumption items to your system, as an alternative to the transaction [Upload of Consumption Items](#) FKKBIXCIT_UPLOAD.

Related Information

[Upload Consumption Items](#)

3.9.1.2 Display Error Logs for Consumption Items and Billable Items

With the apps [Display Error Logs - Consumption Items](#) and [Display Error Logs - Billable Items](#), you can display error logs for consumption items and billable items. These error logs enable you to investigate issues with processes in Convergent Invoicing.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-INV (Convergent Invoicing)
Available As Of	SAP S/4HANA 2021

Additional Details

In the [Display Error Logs - Consumption Items](#) app, you can display error logs for the following processes:

- Creation of consumption items
- Transfer of consumption items from status [Raw](#) to status [Rateable](#)
- Rating of consumption items

In the [Display Error Logs - Billable Items](#) app, you can display error logs for the following processes:

- Creation of billable items
- Transfer of billable items from status [Raw](#) to status [Billable](#)

Effects on System Administration

If you set up the writing of additional logs, you need to ensure that clean-up activities for these logs are in place.

Effects on Customizing

To use this feature, you need to define the settings in Customizing for [Contract Accounts Receivable and Payable](#) under ► [Convergent Invoicing](#) ► [Error Logging](#) . You activate error logging separately for consumption items and billable items, and separately for individual processes.

Related Information

[Display Error Logs - Consumption Items](#)

[Display Error Logs - Billable Items](#)

3.9.1.3 Simplified Reversal of Invoice Documents in Convergent Invoicing

You can reverse billable items, billing documents, and invoicing documents by selecting them in the hit list of the relevant display apps.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-INV (Convergent Invoicing)
Available As Of	SAP S/4HANA 2021

Related Information

[Display Billable Items](#)

[Display Billing Documents](#)

[Display Invoicing Documents](#)

3.9.1.4 Attachment of Customer-Specific Content to Billable Items

You can use technical extensions to make sets of customer-specific fields available in Convergent Invoicing processes. Unlike the customer-specific fields that are added directly to the billable item tables, the technical extension provides a link between the billable items and the data persisted in a customer-specific table. Technical extensions are created with the related billable items, and can be seen as an additional record type of a billable item.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-INV (<i>Convergent Invoicing</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

You can create technical extensions for main items and attachment items. To define an extension, you create a database table or CDS view containing a predefined key and the fields you require, then integrate your extension in your billable item class.

If you create technical extensions, you must ensure that you delete the personal data of customers in your extension tables after the end of purpose (EoP).

Effects on Customizing

To define a technical extension, you need to define the settings in Customizing for *Contract Accounts Receivable and Payable* under [► Convergent Invoicing ► Basic Functions ► Billable Items ► Billable Item Management ► Define Extensions for Billable Items ►](#).

To integrate your extension within the standard record type *Main item*, include the interface component `EXTN_IT` (*Extensions - Main Items*) in your billable item class. To integrate your extension within the standard record type *Attachment items*, include the interface component `EXTN_TT` (*Extensions - Attachment Items*) in your billable item class. In Customizing for *Contract Accounts Receivable and Payable*, define the settings under [► Convergent Invoicing ► Basic Functions ► Billable Items ► Billable Item Classes ►](#).

Related Information

[Technical Extensions](#)

3.9.1.5 Cost Consideration of Consumption Related to Services

Cost posting in Convergent Invoicing enables you to enter and post the cost of goods and services sold. The cost can then be used for cost recognition in controlling or profitability analysis.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-INV (Convergent Invoicing)
Available As Of	SAP S/4HANA 2021

Additional Details

The basis for a cost posting is a billable item that has a cost type and cost subtype.

Effects on Customizing

To set up cost posting, you need to define the settings in Customizing for [Contract Accounts Receivable and Payable](#) under ► [Convergent Invoicing](#) ► [Cost Posting](#) ►.

In addition, you need to include the interface component CO_DATA ([Cost Postings](#)) in your billable item class. This interface component allows you to enter the cost type and cost subtype.

Related Information

[Cost Posting](#)

3.9.1.6 Provide Subscription and Usage Information for Cash and Liquidity Management

The individual procedure for accrual/deferral posting in Convergent Invoicing enables you to update the cash and liquidity forecast for usage transactions that haven't yet been billed. Unbilled receivables and revenues are processed at contract account level.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-INV (<i>Convergent Invoicing</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

Accrual/deferral postings enable you to separate the time of revenue recognition from the time of invoice creation. In the individual procedure, the accrual/deferral data is determined during invoicing and posted by period as provisional revenues. When the invoice is created, a transfer posting is made to real revenues. In contrast to the summary procedure for accrual/deferral postings, processing is on the level of an individual contract account.

Effects on Customizing

To use this feature, you need to include the interface component `BILLAC` (*Accrual/Deferral Postings - Individual Procedure*) in your billable item class. You also need to assign the invoicing function `INV_BILLAC` (*Accrual/Deferral Postings - Individual Procedure*) to your invoicing process.

Related Information

[Individual Procedure](#)

3.9.1.7 Support for Compliance with Legal Requirements

You can specify for certain posting processes that the system doesn't post a correction amount of an invoice as relevant to sales/purchase tax until the time of clearing. This special treatment of correction amounts to an invoice for tax purposes can assist you in complying with statutory requirements (for example, §17 UStG in Germany).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-INV (Convergent Invoicing)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

To use this feature, you need to define the settings in Customizing for [Contract Accounts Receivable and Payable](#) under ► [Convergent Invoicing](#) ► [Invoicing](#) ► [Additional Functions](#) ► [Actual Taxation of Corrections](#) ►.

You also need to assign the invoicing function ACTTAX_CORR ([Actual Taxation of a Correction](#)) to your invoicing process.

Related Information

[Actual Taxation of a Correction](#)

3.9.2 Contract Accounting

3.9.2.1 Business Function: Convergent Contract Accounting

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	2AR, 2BI, 2BK, 2DP, 2KH, 2SJ, 2UJ, 33X, 3L3, 43Y
Application Component	FI-CAC (Convergent Contract Accounting)
Available As Of	SAP S/4HANA 2021

Additional Details

With the business function [Convergent Contract Accounting](#) (FICAC_CORE), cross-industry use of Contract Accounts Receivable and Payable (FI-CA/Contract Accounting) is provided.

A prerequisite for using the business function is that you so far have **not** used an industry solution that is integrated with Contract Accounts Receivable and Payable.

Convergent Contract Accounting provides best practices content for the following scope items:

- 43Y ([Contract Accounting - Integration with Sales Documents](#))
- 47I ([Contract Accounting - Cash Application](#))
- 2BI ([Contract Accounting - Customer-Initiated Payments](#))
- 2AR ([Contract Accounting - Master Data and Basic Functions](#))
- 2DP ([Contract Accounting - Company Initiated Payments](#))
- 2BK ([Contract Accounting - Daily and Monthly Closing](#))
- 2KH ([SAP Fiori Analytical Apps for Contract Accounting Manager](#))
- 2SJ ([Contract Accounting - External Tax Audit](#))
- 2UJ ([Contract Accounting - Open Item Management](#))
- 33X ([Contract Accounting - Group Ledger IFRS](#))
- 3L3 ([Contract Accounting - Contract-Based Revenue Recognition](#))

Related Information

[Convergent Contract Accounting](#)

3.9.2.2 Manage Contract Accounts

The [Manage Contract Accounts](#) app provides a central entry point for contract account maintenance.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA (Contract Accounts Receivable and Payable)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can use this app to do the following:

- Display a list of contract accounts
Filter the list according to your needs, for example, by business partner and company code
- Display a contract account by clicking on it
- Change a contract account
To change a contract account, select the desired contract account in the list and press [Change](#). This takes you to the app for changing contract accounts.
- Create contract accounts
To create a new contract account, press [Create](#). This takes you to the app for creating contract accounts.

Related Information

[Manage Contract Accounts](#)

3.9.2.3 Open Item Management: Summarized Item Display in Manual Account Maintenance

In the item display, you can display summarized items. Items belong together if certain characteristics match, such as business partner, contract account, and due date. The classification key is now available as an additional summarization criterion. You can summarize items if the enhancement [Classification Key](#) (field OPORD) is active in the line items of the items and the classification key has no more than 19 characters.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-BF (Basic Functions)
Available As Of	SAP S/4HANA 2021

Additional Details

In the standard system, summarization means that items with the same reference document number are displayed summarized. Items without a reference document number are summarized at document number level.

In the settings for displaying the items in account maintenance, you can make the following constraints for summarization by classification key:

- [Do Not Summarize](#)
With this setting, there is no summarization by classification key. The summarization is the same as in the standard system.
- [1 Only Summarize If Reference Document Number Is Not Filled](#)
With this setting, items with a classification key and without a reference document number are summarized by classification key.
- [2 Always Summarize by Classification Key](#)
With this setting, all items with a classification key (regardless of whether the reference document number is filled) are summarized by classification key.

Related Information

[Deactivating the Summarized Item Display](#)

3.9.2.4 Payments: Clarification of Payment Exceptions in Payment Run

For clarifying payment exceptions, in addition to transaction `FPCPR`, transaction `FPCPRN` is also now available. Whereas in transaction `FPCPR` you select clarification cases from a list to process them in full screen, transaction `FPCPRN` offers processing in a split screen.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-BT-PY (<i>Payments</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Clarify Payment Exceptions](#)

3.9.2.5 Payments: Parallel Processing of Bank Data Memory

As an alternative to making a transfer using the FI-CA data transfer programs, you can process the bank data storage in parallel by using a mass activity (transaction `FPB7M`).

The mass activity imports the payment data in parallel jobs to payment lots and posts them. These postings take place **during** the creation of the payment lots and not only when all payment lots are complete and have been closed. This means that clarification work can start during the transfer and earlier.

The mass activity transfers payments that cannot be included in a payment lot to separate error lots. In the event of errors, each job creates its own error stack.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-BT-PY-PP (<i>Processing Incoming and Outgoing Payments</i>)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

You have activated parallel processing of the bank data storage in Customizing for Contract Accounts Receivable and Payable under ► [Contract Accounts Receivable and Payable](#) ► [Business Transactions](#) ► [Payments](#) ► [Processing Incoming and Outgoing Payments](#) ► [Activate Parallelized Incoming Payment Processing](#) ►.

Related Information

[Parallelized Transfer in Mass Run](#)

3.9.2.6 Payments with Credit Cards

If you refund card payments to payment service providers, you can now create a reference to the original payment during the refund. To do this, you define the inheritance of the card data for the credit memo in Customizing, as well as the payment method for the credit memo either in Customizing or in event 0150.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-BT-PY (Payments)
Valid from	SAP S/4HANA 2021

Effects on Customizing

In Customizing for Contract Accounts Receivable and Payable under ► [Basic Functions](#) ► [Postings and Documents](#) ► [Basic Settings](#) ► [Maintain Central Settings for Posting](#) ►, you can define how the card data is to be inherited in the event of the reversal of a cleared receivable or a clearing reset. Set the required indicator to pass on the card data from the original receivable or from the payment to the open credit. This means that the credit is repaid using the same payment method with the same card data as in the receivable or payment.

Set the payment method "Card" for the repayment of the credit in Customizing activity [Define Default Payment Methods for Payments Through API](#) for the *typeCard Payment for Reset Clearing* (see ► [Business Transactions](#) ► [Payments](#) ► [Processing of Incoming-/Outgoing Payments](#) ► [Payments Through API](#) ►).

Related Information

[Refund of Credit Card Payments with Reference to the Original Payment](#)

3.9.2.7 Manage Repayment Requests

The [Manage Repayment Requests](#) app provides a central entry point for repayment requests processing.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-BT-PY (Zahlungen)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can use this app to do the following:

- Using the filters available, you can search for repayment requests. You can sort the result list by various criteria.
- You can create your own filter variants, show and hide columns in the list, and hide the filter panel.
- You can select and display details of a repayment request.
- In the list as well as in the detail view, provided the status of a repayment request permits this, you can reverse a repayment request or change the due date and usage text.
- By default, the app only displays repayment request that have not been executed. Using the filters, you can display repayment requests that have been reversed or executed, as well.

Related Information

[Manage Repayment Requests](#)

3.9.2.8 Dunning: Specifying a Reason when Reversing a Dunning Notice

If you reverse a dunning notice in the dunning history, you can now specify a reason.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-BT-DU (Dunning Notices)
Available As Of	SAP S/4HANA 2021

Additional Details

If you have maintained reversal reasons in Customizing for Contract Accounts Receivable and Payable under [Business Transactions](#) > [Reversal](#) > [Define Reversal Reasons](#), the system queries the specification of a reason. If you have not entered any reasons here, the system does not prompt you to enter a reason. Specifying a reason is optional.

Related Information

[Reversing Dunning Notices](#)

3.9.2.9 Manage Installment Plans

The [Manage Installment Plans](#) app provides a central entry point for installment plan maintenance.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-BT-DI (<i>Deferral and Installment Plans</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

Using the filters available, you can search for installment plans. You can sort the result list by various criteria.

By clicking on an entry in the result list, you can display installment plan details.

You can change an open installment plan and create new installment plans.

You can display the history for an installment plan.

You can access the [Analyze Installment Plans](#) app. Click on an installment plan number in the list and choose [Analyze Installment Plans](#) to get an overview of installment plans that have been created.

Related Information

[Manage Installment Plans](#)

3.9.2.10 Promise to Pay

A promise to pay can now also provide for payment by credit card. If you use SAP digital payments add-on and SAP digital payments add-on supports the corresponding payment card type, you can register the credit card directly with SAP digital payments add-on .

Technical Details

Type	New
------	-----

Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-BT (<i>Business transactions</i>)
Valid from	SAP S/4HANA 2021

Related Information

[Promise to Pay](#)

3.9.2.11 Debt Collection Management: Maintain Debt Sets in Automated Processes

You can create, read, and change debt sets using an API. Using event 381, you can change debt set attributes of the current dunning notice during the dunning activity run.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-BT (<i>Business Transactions</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Debt Set API](#)
[Changing Debt Set Attributes: Event 381](#)

3.9.2.12 Factoring

Reversal of the Offer of Receivables

If technical problems occur during the transfer of data to the factor, in the SAP menu under ► [Periodic Processing](#) ► [For Contract Accounts](#) ► [Factoring](#) ► [Send Reversal Information Again](#) ► (transaction FPPFA8_RESEND), you can send data selected by a run again.

Factoring for Installment Plans and Promises to Pay

You can now offer for sale source receivables of installment plans and promises to pay.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-BT (Business Transactions)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

To activate factoring for installment plans and promises to pay, set the [Factoring for Installment Plans / Promises to Pay](#) indicator in Customizing for Contract Accounts Receivable and Payable under ► [Basic Functions](#) ► [Postings and Documents](#) ► [Basic Settings](#) ► [Maintain Central Settings for Posting](#) ►.

Related Information

[Reverse Offer](#)

3.9.2.13 Integration with Sales and Distribution (SD): Contract Partner-SD Customer Mapping

If you integrate Contract Accounts Receivable and Payable and Sales and Distribution (SD) in the same system, the customer and business partner have the same number by default. However, at Event 4070, you can now

specify a different business partner for the SD customer in Contract Accounts Receivable and Payable. If you want to use master data synchronization with Customer Vendor Integration (CVI), a suitable example implementation is in sample function module `FKK_SAMPLE_4070_CVI`.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-IN (<i>Integration</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Integration Between SD and FI-CA in the Same System and Client](#)

3.9.2.14 Forwarding of Payment Information via Information Container

In a business process, information containers save information that you can send to external systems at a later point in time. SAP provides the connection of the information container to the payment run by using information container category *FI-CA: Payments from Payment Run* (0003). You use this information container category to inform other systems about payments made with the payment run. The data contained in the information container entries is sent by using the *Forward Information* transaction (`FPINF001`) in the SAP menu under **► Periodic Processing ► Transfer Data ► Information Container ►**. The data is sent using the *Full Payment – Notification* SOAP API.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	FI-CA-IN (Integration)
Available As Of	SAP S/4HANA 2021

Related Information

[Information Containers](#)

[Full Payment – Notification](#)

3.9.2.15 Integration with the Closing Cockpit

You can plan, execute, and monitor closing tasks centrally by using the Schedule Manager (CA). In addition, provided you have purchased the appropriate license (SKU 7019413) you can plan, execute, and monitor closing tasks centrally by using SAP S/4HANA Cloud for advanced financial closing.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-IN (Integration)
Available As Of	SAP S/4HANA 2021

Additional Details

You can include the following programs in the Schedule Manager (CA):

- RFKKOP03 (Key Date-Based Open Item List)
- RFKK_RECLASS (Reclassification Postings)
- RFKK_RECLASS_DUEGRID (Posting of Reclassification by Due Date)
- SAPFK100 (Foreign Currency Valuation)
- RFKKABS1 (Check Totals Records)
- RFKKABS10 (Display for Posting Totals)
- RFKKABS30 (Itemization for Posting Totals)

- RFKKABS5 (Check Transfer Status of Reconciliation Key)
- RFKKABS6 (Display for G/L Transfer)
- RFKKAV00 (Transfer of Payment Advice Notes from a Sequential File)
- RFKKBELJ00 (Document Journal)
- RFKKBIB0 (Document Transfer Program)
- RFKKCFUPD (Data Transfer to Cash Management)
- RFKKCM00 (Data Transfer: Manually Issued Checks Lot)
- RFKKCO20 (Check CO-PA Documents)
- RFKKCOPM (Read Collection Agency File)
- RFKKCR00 (Transfer of Cashed Checks)
- RFKKFIKEYCLOSE (Delete and Close Reconciliation Keys)
- RFKKGL00 (Transfer of FI-CA Totals records to General Ledger)
- RFKKGL20 (Check General Ledger Documents)
- RFKKGL30 (Itemization for G/L Documents from FI-CA)
- RFKKJOURNAL (Account Assignment Details for Single Documents)
- RFKKKA00 (Transfer of Data from Account Statement to Payment/Returns Lots)
- RFKKOP04 (Item List)
- RFKKOP10 (Reconciliation Between Open Items and General Ledger)
- RFKKOP20P (Reconciliation Between Open Items and General Ledger (Parallel))
- RFKKPCDS (Payment Cards: Execute Billing)
- RFKKRD00 (Revenue Distribution: Create and Post Documents)
- RFKKRL00 (Returns Lot Transfer)
- RFKKRSTF (Assign New Reconciliation Key to Returns Lot)
- RFKKZE00 (Payment Lot Transfer)
- RFKKZSTF (Assign New Reconciliation Key to Payment Lot)

You can include the following mass activities in the Schedule Manager (CA):

- Prepare Value Adjustment Analysis (transaction `FPRT`)
- Transfer Adjusted Receivables (transaction `FPRV`)
- Adjust Receivables According to Age, transaction `FPRW`)

You can include the following programs in SAP S/4HANA Cloud for advanced financial closing:

- RFKKOP03 (Key Date-Based Open Item List)
- RFKK_RECLASS (Reclassification Postings)
- RFKK_RECLASS_DUEGRID (Posting of Reclassification by Due Date)
- SAPFK100 (Foreign Currency Valuation)

You can include the following mass activities in SAP S/4HANA Cloud for advanced financial closing:

- Prepare Value Adjustment Analysis (transaction `FPRT`)
- Transfer Adjusted Receivables (transaction `FPRV`)
- Adjust Receivables According to Age (transaction `FPRW`)

Related Information

[Include Programs and Mass Activities in the Closing Cockpit](#)
<https://help.sap.com/viewer/product/AFC/latest/en-US>

3.9.2.16 Integration with One Exposure from Operations Hub: Degree of Detail of Update

By default, Contract Accounts Receivable and Payable updates One Exposure from Operations to the level of the cash management group (FKKVKP-FDGRP).

Based on integration schemas that you define in Customizing and then assign to the contract account categories, you can achieve a higher degree of detail in the upgrade.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-IN-CM (Cash Management)
Available As Of	SAP S/4HANA 2021

Additional Details

The integration schema defines that relevant postings, such as new documents, clearings, and document changes, are not only updated at planning group level, but in more detail at business partner and document number level. The following document characteristics are also updated:

- Tax amount of receivable
- Origin of posting
- Clearing reason (for cleared items)
- Distinguish between revenue that has already been billed and revenue that has not yet been billed.
- Differentiate between active and passive payment mode by analyzing the payment method in the line item and contract account, provided this option was selected in Customizing under [Set Up Company Codes for Contract Accounts Receivable and Payable](#) .
"Active payment mode" means that the item can be expected to be paid by the payment run.
- The corresponding reconciliation account (reconciliation account), provided this option was selected in Customizing under [Set Up Company Codes for Contract Accounts Receivable and Payable](#)

The finer data granularity results in more and more detailed individual records in One Exposure from Operations, which permit extended valuation options.

i Note

We recommend that you do not activate this more detailed update for all contract accounts, but only for contract accounts that require special monitoring.

Effects on Customizing

You make the system settings in Customizing for Contract Accounts Receivable and Payable under ► [Integration](#) ► [Cash Management](#) ► [Define Level of Detail for Update](#) ►.

Related Information

[Updating Cash and Liquidity Management](#)

3.9.2.17 Closing Operations: Foreign Currency Valuation

To value mass data, on the SAP Easy Access screen under ► [Periodic Processing](#) ► [Closing Preparation](#) ► [Receivable Valuation](#) ►, the following transactions are provided:

- [Foreign Currency Valuation Run](#) (transaction `FPW1M`)
- [Display Results of Foreign Currency Valuation Run](#) (transaction `FPW1D`)
- [Repeat Posting of Foreign Currency Valuation Run](#) (transaction `FPW1P`)

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	<code>FI-CA-CL-FC</code> (Foreign Currency Valuation)
Available As Of	SAP S/4HANA 2021

Related Information

[Parallelized Valuation of Foreign Currencies](#)

3.9.2.18 Display Posted Value Adjustments

With the [Display Posted Value Adjustments](#) Fiori app, you can display the receivables adjustments posted. You can evaluate posted receivables adjustments, that is, doubtful entries and individual or flat-rate value adjustments.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-CL-DR (Doubtful Receivables)
Valid as Of	SAP S/4HANA 2021

Additional Details

The app displays the adjusted receivables for the selection criteria entered. You must enter the key date and valuation variant as selection criteria.

In addition, you can select by FI-CA documents. To do this, specify the following selection criteria:

- Company code
- Business partner
- Contract account
- Document number

For more details, expand the desired document displayed in the list. By clicking the arrow at the end of a row, you can navigate to the detailed page of the value adjustment to get more information.

Related Information

[Display Posted Value Adjustments](#)

3.9.2.19 Situation Handling

For situation handling, the following new templates are provided:

- [Business Critical Locks in Application Jobs](#)
- [Business Critical Customizing Errors in Application Jobs](#)
- [Business Critical SEPA Errors in Application Jobs](#)
- [Business Critical Master Data Errors in Application Jobs](#)

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA (Contract Accounts Receivable and Payable)
Available As Of	SAP S/4HANA 2021

Related Information

[Handling Situations](#)

3.9.2.20 Archiving: ILM Notifications

All archiving objects in [Contract Accounts Receivable and Payable](#) now support data protection notifications.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA (Contract Accounts Receivable and Payable)

Related Information

[Blocking and Deleting Personal Data](#)

3.9.2.21 APIs on the SAP API Business Hub

To extend Contract Accounts Receivable and Payable (FI-CA), you can use the following new and enhanced APIs which have been published on the [SAP API Business Hub](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA (Contract Accounts Receivable and Payable)
Available As Of	SAP S/4HANA 2021

Additional Details

The [Contract Accounting Dispute Case – Manage](#) (DisputeCase) OData API has been enhanced as follows:

- The [Update](#), [Assign Attachment](#), and [SetDisputeCaseToVoid](#) operations have been added to the [DisputeCase](#) entity.
- The [DisputeCaseObject](#) entity including the [Create](#) and [Delete](#) operations have been added to the API.

The following new APIs are made available:

Name	Technical Name	Type	Comment
Factoring – Offer Data	ContractAccountingFactoringOfferBulkInformation_Out	SOAP	

Name	Technical Name	Type	Comment
Factoring – Clearing Data	ContractAccountingFactoringClearingBulkInformation_Out	SOAP	
Factoring – Answer Data	ContractAccountingFactoringAnswerBulkInformation_In	SOAP	
Factoring – Offer Reversal Data	ContractAccountingFactoringOfferReversalBulkRequest_Out	SOAP	
Cash Security Deposit	CASecurityDeposit	OData	
Disconnection Request – Bulk Send	ContractAccountingServiceDisconnectionProposalNotification_Out	SOAP	
Reconnection Request – Bulk Send	ContractAccountingServiceReconnectionProposalNotification_Out	SOAP	
External Cash Point - In-bound Payment Notification	ECC_CASHPOINTPAYMENTCR TNO	SOAP	
External Cash Point - In-bound Reversal Notification	ECC_CASHPOINTPAYMENTRE VNO	SOAP	
External Cash Point - In-bound Closing Notification	ECC_CASHPOINTCLOSINGDO CNO	SOAP	
External Cash Point - In-bound Closing Reversal Notification	ECC_CASHPOINTCLOSINGDO CCNCNO	SOAP	
External Cash Point - Open Item Summary	CashPointOpenItemSummaryNotification_Out	SOAP	
Collection Agency - Submit Bulk Request	CommissionedOutstandingCollectionsERPBulkRequest_Out	SOAP	
Collection Agency - Confirmation	CommissionedOutstandingCollectionsERPBulkConfirmation_In	SOAP	
Promise to Pay - Request Information	PROMISETOPAYIDQR	SOAP	
Promise to Pay - Request Profiles	P2PALLWDPRFLQR	SOAP	
Contract Accounting Document – Manage	CADOCUMENTMANAGE	OData	
Contract Accounting Installment Plan – Manage	FKCMANAGEINSTALLMENTPLAN	SOAP	
Contract Accounting Creditworthiness – Read	Creditworthiness	OData	

Name	Technical Name	Type	Comment
Contract Account – Bulk Replicate from Client System	CONTRACTACCOUNTBULKREPLICATEREQUEST_IN	SOAP	
Contract Account – Return Status of Bulk Replication to Client System	ContractAccountBulkReplicateConfirmation_Out	SOAP	
Contract Account – Bulk Replicate from SAP S/4HANA to Client	CONTRACTACCOUNTBULKREPLICATEREQUEST_OUT	SOAP	
Full Payment – Notification	FKC_FULLPAYMENT_BULK_REQUEST_OUT_SPRX	SOAP	
Contract Accounting Business Transaction - Read	CABUSINESSTRANSACTION	OData	
Contract Account	CONTRACTACCOUNT	OData	With the RetrieveAccountBalance operation, you can read an account balance of a contract account.

Related Information

[APIs in SAP API Business Hub](#)

3.9.2.22 Business Events on the SAP API Business Hub

On the SAP API Business Hub, Contract Accounts Receivable and Payable provides new business events to notify consumer applications that an SAP Object Type has changed.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA (Contract Accounts Receivable and Payable)
Available As Of	SAP S/4HANA 2021

Additional Details

The following business events are provided:

- [Contract Account Events](#)
- [Contract Accounting Document Events](#)
- [Contract Accounting Installment Plan Events](#)
- [Contract Accounting Provider Contract Events](#)

Related Information

[Contract Account Events](#)

[Contract Accounting Document Events](#)

[Contract Accounting Installment Plan Events](#)

[Contract Accounting Provider Contract Events](#)

3.9.2.23 Extensibility: Customer Fields in BRIM and Revenue Accounting

You can use the [Custom Fields](#) app to transfer the value of customer-specific fields from the provider contract item to Revenue Accounting.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA (Contract Accounts Receivable and Payable)
Available As Of	SAP S/4HANA 2021

Additional Details

You create the customer field in the business context [Contract Accounting: Transfer Record to Revenue Accounting \(FICA_RAR_TRANSFER_RECORD\)](#) and activate the field usage in the business scenarios [Contract Accounting: FI-CA / RAR Transfer Record for RAR Contract Item](#) and [Contract Accounting: Provider Contract Item for FI-CA / RAR Transfer Record](#).

To make the field also available in apps, CDS views, and APIs for the provider contract item, for example, enable the field usage accordingly in the business context [Contract Accounting: Provider Contract Item \(FICA_PROVIDER_CONTRACT_ITEM\)](#).

Proceed in the same way in the business context [Revenue Accounting: Contract Item \(FARR_CONTRACT_ITEM\)](#).

Related Information

[Adding Fields Using the Custom Fields App](#)
[Creation of Order Items from the Provider Contract](#)

3.9.2.24 Extensibility of BAPIs

You can use the [Custom Fields](#) app to add customer fields in BAPIs.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA (Contract Accounts Receivable and Payable)
Available As Of	SAP S/4HANA 2021

Additional Details

You can supplement the following BAPIs:

- Object type CA_CONTACC (contract account)
 - BAPI_CTRACCONTRACTACCOUNT_CR1
 - BAPI_CTRACCONTRACTACCOUNT_CH1
 - BAPI_CTRACCONTRACTACCOUNT_GD1

The technical conversion for processing customer fields is described in the EXTENSIONIN and EXTENSIONOUT parameters of the named BAPIs.

Utilities (IS-U)

For object type ISUACCOUNT (IS-U contract account), you can supplement customer fields in the following BAPIs:

- BAPI_ISUACCOUNT_CREATEFROMDATA
- BAPI_ISUACCOUNT_CHANGE
- BAPI_ISUACCOUNT_GETDETAIL

Insurance (FS-CD)

For object type BUSISI006 (FS-CD contract account), you can supplement customer fields in the following BAPIs:

- BAPI_CD_ACCOUNT_CREATE1
- BAPI_CD_ACCOUNT_CHANGE1
- BAPI_CD_ACCOUNT_GETDETAIL1

Public Sector Contract Accounts Receivable and Payable (PS-CD)

You can supplement customer fields in BAPI BAPI_CTRACCOUNT_EASYCREATE.

Related Information

[Adding Fields Using the Custom Fields App](#)

3.9.2.25 Program Enhancements: Temporary Deactivation of Event Modules

For test purposes, for example, you can temporarily deactivate registered installation-specific function modules.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA (Contract Accounts Receivable and Payable)
Available As Of	SAP S/4HANA 2021

Additional Details

In the Customizing activity [Define Customer-Specific Function Modules](#), you can define a function module you programmed at an event predefined by SAP to intervene in the process flow of standard programs and to include installation-specific processing. The system executes the function modules when the event in the program is reached.

In the Customizing activity [Deactivate Customer-Specific Function Modules](#), you can temporarily deactivate registered installation-specific function modules, for example, for test purposes.

To avoid data inconsistencies, you cannot deactivate customer-specific function modules in the production system.

For the deactivation, you must have authorization for activity 220 of authorization object F_KK_SOND.

Effects on Customizing

You make both settings in Customizing for Contract Accounts Receivable and Payable under [Program Enhancements](#).

3.9.2.26 Deprecation of ProfitabilitySegment in CDS View I_CADocumentGLItem

The field `ProfitabilitySegment` is replaced with the field `ProfitabilitySegment_2`. The field occurs in the `I_CADocumentGLItem` CDS view. Switch your custom developments to the `ProfitabilitySegment_2` field as soon as possible.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-IN-GL (General Ledger Accounting)
Valid as Of	SAP S/4HANA 2021

Related Information

[Deprecation of ProfitabilitySegment in CDS Views \[page 1108\]](#)

[GL Line Item](#)

3.9.3 Subscription Order Management

3.9.3.1 Display Allowances

The *Display Allowances* app enables you to view the allowances and valid allowance definitions for a subscription contract and view its details from SAP Convergent Charging, as well as the refilled and charged values for the allowances from Convergent Invoicing. You can also trigger the execution of allowance refills in SAP Convergent Charging.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM (<i>S4CRM: Subscription Order Management</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

You can also use the *Display Allowances* app to do the following:

- Track your aggregated monetary allowance value via key figures on different granular levels.
- View the allowances assigned to your contract, and their details like validity, counters, and parameters from SAP Convergent Charging.
- View the allowance definition(s) defined for your subscription contract and the related charge plans.
- Trigger an allowance refill in SAP Convergent Charging.
- Navigate to Convergent Invoicing to view the creation and usage of billable items for an allowance.
- Navigate from the app to related objects such as the subscription contract, contract document, subscription product-specific data, allowance definition table, and business partner.

Related Information

[Display Allowances](#)

3.9.3.2 Improved User Experience for Managing Subscription Products

The [Manage Subscription Product-Specific Data](#) app is enhanced so that you can now assign and maintain the assignment schema, assigned to your cross-catalog mapping data, directly in the app itself.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM (S4CRM: Subscription Order Management)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

Your former settings on the product master data will stay valid. When you edit a product via the [Manage Subscription-Product Specific](#) app, the resource assignment schema will be automatically migrated to the subscription product-specific data and used from here in the future. The assignment schema is then hidden from the product master data.

Related Information

[Manage Subscription Product-Specific Data](#)

3.9.3.3 Supporting Multiple Lock Types During a Lock/Unlock Change Process

This feature enables you to support multiple lock types for FI-CA and CI billing plan, using the Lock and Unlock change processes of the subscription contract.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM (S4CRM: Subscription Order Management)
Available As Of	SAP S/4HANA 2021

Additional Details

You can now maintain against a Lock Reason whether:

- The provider contract in SAP Convergent Charging should be locked by setting the [Lock CC](#) flag.
- Your locks shall only be executed in subscription contract, lock the SAP Convergent Charging contract, or set individual lock reasons for specific FI-CA processes, like billing plan request, invoicing, payment, or dunning.
- The lock/unlock change process are executed directly in the contract or via a change order, by setting the respective lock strategy. You should use the change order option, for example, if the lock process has implications on the price and you require repricing.

Effects on Existing Data

With this enhancement, the following activities will be deprecated in the future, in the Customizing ► [Service](#) ► [Transactions](#) ► [Settings for Subscription Transactions](#) ► [Contract Changes](#) ► [Lock Processing](#) ►:

- [Define Lock Levels](#)
- [Define Lock Reasons](#)
- [Define Unlock Reasons](#)

Effects on Customizing

The following settings must be defined in the Customizing:

- You have defined the lock/unlock reasons and set the lock flags in the Customizing for *Service* under [▶ Transactions ▶ Settings for Subscription Transactions ▶ Contract Changes ▶ Lock Processing ▶ Define Lock/Unlock Reasons ▶](#).
- The ODI lock/unlock schema definition `PC_LK` is activated in the schema determination in the Customizing for *Service* under [▶ Transactions ▶ Settings for Subscription Transactions ▶ Document Distribution ▶ Define Settings for Document Distribution ▶](#).

Related Information

[Locking and Unlocking Services](#)

3.9.3.4 Change Processes for Phased Contracts

This feature enables you to execute certain change processes on a phased contract. You can choose to extend or add an extension phase to a phased contract, correct errors in a phased contract with distribution errors, or even reject a phased contract before it is activated.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM (S4CRM: Subscription Order Management)
Available As Of	SAP S/4HANA 2021

Additional Details

The following change processes are available for phased contracts:

- You can use the [Add Extension Phase](#) change process to add an extension phase to the end of the phased contract, by explicitly providing attributes such as quantity and configuration.

- You can use the [Contract Extension](#) change process to extend a phased contract by copying the details of the current last phase and changing the [Contract End Date](#) as per the entered extension period.
- You can use the [Correct Errors](#) change process to fix the distribution errors for an inactive phased contract.

i Note

This change process is only available on the UI if there is an error during contract distribution.

- You can use the [Reject All Items](#) process, that is available at the subscription contract document level on the UI, to reject inactive phased contracts.

Effects on Data Transfer

The following change processes have been added to the delivery Customizing (list processes below):

- [Add Extension Phase](#)
- [Contract Extension](#)
- [Correct Errors](#)
- [Reject All](#)

Effects on Customizing

These change process are now available in the Customizing for [Service](#), under [Settings for Subscription Transactions](#) > [Contract Changes](#) > [Settings for Maintenance Framework \(BTMF\)](#).

Related Information

[Phased Contracts](#)
[Add Extension Phase](#)
[Contract Extension](#)

3.9.3.5 Change Processes with Activation Date in the Past

This feature is enhanced so that you can now execute a contract cancellation or an item level contract transfer, for a contract with an activation date in the past.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM (S4CRM: Subscription Order Management)
Available As Of	SAP S/4HANA 2021

3.9.3.6 Validation for Change Technical Resource

This validation disallows a change in the technical resource, if usage billable items exist beyond the contract activation date.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM (S4CRM: Subscription Order Management)
Valid as Of	SAP S/4HANA 2021

Additional Details

You must define the activation date to validate the start of the new technical resource ID. If billable items exist after the provided activation date, the change process is stopped and an error message is displayed. You can only proceed with the change process if you change the activation date such that no billable items exist after it.

Related Information

[Change Technical Resources](#)

3.9.3.7 Automatic Extension of Sub-Item During Contract Extension

This feature enables you to automatically extend a sub-item together with the main item, via the Subscription Contract Change Process and Business Solution Quotation APIs, as long as the sub-item has the same end date as the main item.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM (S4CRM: Subscription Order Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Contract Extension](#)

3.9.3.8 Maintaining Custom Price Conditions in Price Agreements Created Using A Master Agreement

You can maintain price conditions for any desired condition type in a price agreement created from a master agreement.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	CRM-S4-SOM (<i>S4CRM: Subscription Order Management</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

You can now add price conditions for a condition type in a price agreement created using a master agreement. The condition record is created based on master agreement document category **CMMA**. This price is then copied to a subscription order/ solution quotation during call-off.

Related Information

[Master Agreement](#)

3.9.3.9 Assigning New Master Agreements during Sold-to and Product Change Processes

This feature enables you to assign/unassign the existing master agreement in a change order item, while executing the Product Change and Change Sold-to-Party change processes.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM (<i>S4CRM: Subscription Order Management</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

During the execution of the Product Change or Change Sold-To change processes, the assigned master agreement may become irrelevant due to a change in the Sold-To Party and Product combination. In such a

case, you can use the change order to unassign the existing master agreement either by assigning a new, relevant master agreement or simply not assigning one at all.

If a new master agreement is assigned in the change order, the corresponding attributes such as the CCM version, redefined convergent charging tables and parameters, billing cycle, configuration, sharing group, and contracts are derived and assigned.

Related Information

[Product Change](#)

[Change Sold-To Party](#)

3.9.3.10 Assigning External PO Numbers to Subscription Items

This feature enables you to maintain external references (purchase order numbers) on the header and for subscription items in the subscription order or solution quotation.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM (S4CRM: Subscription Order Management)
Available As Of	SAP S/4HANA 2021

Additional Details

The assigned PO numbers are copied over to the subscription contract and further distributed to the FI-CA provider contract.

i Note

As long as you have maintained the purchase order number at the item level (Ship-to PO Number), it is distributed to the FI-CA provider contract by default. If the item level number is not provided, the header level (Ship-to PO Number), is distributed to the FI-CA provider contract.

Related Information

[Purchase Order Numbers in Subscription Items](#)

3.9.3.11 Solution Quotation Search by External Reference Number

This feature enables you to search for solution quotations via external reference numbers.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM (S4CRM: Subscription Order Management)
Available As Of	SAP S/4HANA 2021

Additional Details

You can search for solution quotations as below:

- Search by external quote reference number
- Search by business solution portfolio reference number

3.9.3.12 Contract Transfer with Single Item

This feature enables you to transfer an individual subscription contract into a new subscription contract, such that the existing contract is delimited and a new contract is created.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM (S4CRM: Subscription Order Management)
Available As Of	SAP S/4HANA 2021

Additional Details

The transfer relevance of a change process is driven by the Document Flow Strategy attribute in the definition of the change process:

- If the value is set to N ("Create new contract in a new contract document"), the transfer process shall result in the creation of a new subscription contract in a new subscription contract document.
- If the value is set to U ("Create new contract in the same contract document"), the transfer process shall result in the creation of a new subscription contract in the same subscription contract document.

You can define the document transfer strategy in the Customizing settings for the specific change process. During the transfer, the existing contract will be delimited, copied and adjusted, and recreated. The allowances and counters from the old contract are copied to the new contract. You can run the single item transfer either via the UI or via an API.

Effects on Customizing

Set document flow strategy for scenario-specific attributes of change process in the Customizing for [Service](#) under ► [Transactions](#) ► [Settings for Subscription Transactions](#) ► [Contract Changes](#) ► [Settings for the Maintenance Framework \(BTMF\)](#) ►.

Related Information

[Contract Transfer](#)

3.9.3.13 Business Events for Subscription Contracts

This feature enables you to notify internal and external applications about the state of the contract and changes executed on the contract.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM (S4CRM: Subscription Order Management)
Available As Of	SAP S/4HANA 2021

Additional Details

You can use the business events to do the following:

- Use these events in a business event handler in S/4HANA (BEH) so that internal and external applications can link to the events.
- Send cloud events via XBE to the SAP Event Mesh on SAP BTP, to notify external applications.
- Determine whether an event needs to be sent out for a change process.
- Filter, based on your contract data, if events shall be sent by implementing a BAdI.
- Find subscription contract events in the API Hub.

Effects on Customizing

You can define if your change processes raise an event in the Customizing for [Service](#) under [Transactions](#) [Settings for Subscription Transactions](#) [Contract Changes](#) [Settings for the Maintenance Framework \(BTMF\)](#), in the scenario-specific attributes for the respective change process.

The BTMF Customizing has been enhanced with the field [Business Event](#), in the sub-view [Define Scenario Dep. Attributes](#). The event ID maintained in this field will be raised for the specific BTMF change process that should trigger a business event. An empty field value means that no events will be triggered for the selected BTMF change process.

Related Information

[Business Events for Subscription Orders and Contracts](#)

3.9.3.14 Business Events for Subscription Orders

This feature enables you to notify internal applications about the order state and any changes executed on the subscription orders.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM (S4CRM: Subscription Order Management)
Available As Of	SAP S/4HANA 2021

Additional Details

You can use these events in a business event handler in SAP S/4HANA (BEH) so that internal applications can link to the events.

Related Information

[Business Events for Subscription Orders and Contracts](#)

3.9.3.15 OData API: *Business Solution Quotation*

The new fields on the Business Solution Quotation OData API (`API_BUS_SOLUTION_QUOTATION`) enable you to read recurring charge, read the autorenewal date and extension period, and read and maintain the variant condition key for variant prices.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM (<i>S4CRM: Subscription Order Management</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The following fields have been added to the API:

Name	Property	Necessity	Description
A_BusSolnQtanSubscrpnItem			
Recurring Charge	SrvcDocItmRecrrgChrgNetAmt	Read-only	Recurring charge net amount
	SrvcDocItmRecrrgChrgGrossAmt	Read-only	Recurring charge gross amount
	SrvcDocItmRecrrgChrgTaxAmount	Read-only	Recurring charge tax amount
	SrvcDocItmRecrrgChrgDuration	Read-only	Recurring charge duration
	SrvcDocItmRecrrgChrgDurationUnit	Read-only	Recurring charge duration unit
Renewal/Autorenewal	SbscrpnContrItmRnwldTme	Read-only	Auto renewal extension date
	SbscrpnContrArnw1StrtDuration	Read-only	Auto renewal extension start duration
	SbscrpnContrArnw1StrtDurationUnit	Read-only	Auto renewal extension start duration unit
A_BusSolnQtanItmPriceElement			
Variant Price	VariantCondition	Optional	Variant condition key

Related Information

[Subscription Related Item](#)

[Currency Code Conversion \[page 1111\]](#)

3.9.3.16 OData API: *Subscription Contract Read*

The new fields on the Subscription Contract Read OData API (`API_SUBSCRIPTIONCONTRACT`) enable you to read recurring charges and cancellation information, read the rejection state, autorenewal date, and extension period, read a BTMF change process and contract transfer relations, in addition to reading the variant condition key for variant prices.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM (<i>S4CRM: Subscription Order Management</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The following fields have been added to the API:

Name	Property	Necessity	Description
A_SubscriptionContractItem			
Recurring Charge	SrvcDocItmRecrrgChrgGrossAmt	Read-only	Recurring charge gross amount
	SrvcDocItmRecrrgChrgTaxAmt	Read-only	Recurring charge tax amount
	SrvcDocItmRecrrgChrgDuration	Read-only	Recurring charge duration

Name	Property	Necessity	Description
	Srvcdocitmrecrrgchrgdurationunit	Read-only	Recurring charge duration unit
Cancellation	Sbscrcontritmcanclnprocedure	Read-only	Cancellation procedure
	Sbscrcontritemcanclnreason	Read-only	Cancellation reason
	Sbscrcontritemcanclnparty	Read-only	Cancelling partner
Rejection	Sbscrpncontractitemisrejected	Read-only	Subscription contract is rejected
Renewal/Autorenewal	Sbscrpncontritmrenwldtetime	Read-only	Auto renewal extension date
	Sbscrpncontrarnwlsttrtdurn	Read-only	Auto renewal extension start duration
	Sbscrpncontrarnwlsttrtdurnunit	Read-only	Auto renewal extension start duration unit
BTMF Change Process	Srvctranschangeprocess	Read-only	BTMF change process ID
Contract Transfer	SbscrcontrprdcssrExtID	Read-only	Contract transfer predecessor subscription contract ID
	SbscrcontrsuccssrExtID	Read-only	Contract transfer successor subscription contract ID
A_SubscrpnContrItmPrElmnt			
Variant Price	VariantCondition	Read-only	Variant condition key

Related Information

[Subscription Contract Change Process \(Asynchronous\)](#)

[Currency Code Conversion \[page 1111\]](#)

3.9.3.17 SOAP API: *Subscription Order Create*


The new fields on the Subscription Order Create SOAP API (II_CRMS4_PRVO_CREATE_IN) enable you to set the auto renewal indicator and the auto renewal extension period, and read and maintain the variant condition key for variant prices.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM (S4CRM: Subscription Order Management)
Available As Of	SAP S/4HANA 2021

Additional Details

The following fields have been added to the API:

Name	Property	Necessity	Description
Variant Price	VariantCondition	Optional	Variant condition key
			
Autorenewal	SbscrpnContrAutoRnwIsActv	Optional	Auto renewal indicator
	SbscrpnContrAutoRnwDuration	Optional	Auto renewal extension start duration
	SbscrpnContrAutoRnwDurationUnit	Optional	Auto renewal extension start duration unit

Related Information

[Subscription Order Create \(Asynchronous\)](#)

3.9.3.18 Data Archiving: ILM Notifications

All archiving objects in Subscription Order Management now support data protection notifications.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM (S4CRM: Subscription Order Management)
Available As Of	SAP S/4HANA 2021

Additional Details

For more details about enabled extractions, and how to setup and process ILM notifications, refer to [SAP Information Lifecycle Management](#) documentation.

Effects on Existing Data

You can send ILM notifications for the following ILM objects:

- Subscription Order (ILM object CRM_PRVO)
- Subscription Contract (ILM object CRM_PRVC)
- Master Agreement (ILM object CRM_PRVMA)
- Allowance Definition Group (ILM object SOM_ADG)
- Subscription Product-Specific Data (ILM object SOM_PROD)
- Sharing Group (ILM object SOM_SHGR)

Related Information

[ILM Notifications for Data Protection Blocking and Deleting Personal Data](#)

3.10 Governance, Risk and Compliance for Finance

3.10.1 International Trade

3.10.1.1 Business Partner: Adoption of multiple Addresses in Global Trade Services

In accordance with the adoption of multiple address handling in SD documents using SAP Business partner, the transfer of multiple addresses for each business partner to SAP Global Trade Services, edition for SAP HANA is now possible. Also, the transfer of business partner master data to SAP GTS, edition for SAP HANA has been changed and is now possible through delta replication framework (DRF) methodology.

This benefits in reduced time and costs on master-data maintenance. Also, it is now possible to screen multiple addresses for business partners in Sanctioned party list screening in SAP GTS, edition for SAP HANA.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SLL-ITR (<i>International Trade</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Multiple Address Handling in SD Documents Using SAP Business Partner \[page 717\]](#)

3.10.1.2 Classification for International Trade

3.10.1.2.1 Additional Filter on Country in International Trade Classification Apps

You can now narrow down your worklist of products to classify with the help of an additional filter.

This does the following:

- Enable the user to reduce the list of products to be classified according to the countries of the plants.
- Save time by classifying a product only if the classification is really needed.

Relevant for App:

- Classify Products - Commodity Codes
- Classify Products - Intrastat Service Codes
- Classify Products - Legal Control
- Classify Products - Customs Tariff Number

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	2U3
Application Component	SLL-ITR-CLS (<i>International Trade - Classification</i>)
Available As Of	SAP S/4HANA 2021

3.10.1.3 International Trade Compliance

3.10.1.3.1 New Fiori App in International Trade: Analyze and Resolve Blocked Documents - Trade Compliance

You can use this app to analyze and resolve blocked documents that, for example, may have missing classifications, are blocked by embargo, or are missing licenses. To continue the business transactions in question, you either have to enter additional licenses that the system can assign automatically, or you can assign existing licenses and release the transaction manually by using this app. With this app, you can make use of analytical features such as the visual filter bar and chart view result list.

Key Features

- Display of blocking reasons for international-trade-relevant documents.
- Select documents by visual filter for specific attributes such as Legal Regulation, Company Code, or Document Type.
- Resolve blocked documents and assign international trade attributes, such as the following:
 - Control Classes
 - Licenses
 - Embargo Status

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1W8 (Legal Control), 1WC (Embargo Control)
Application Component	SLL-ITR-TRC (<i>International Trade - Trade Compliance</i>)
Available As Of	SAP S/4HANA 2021

Additional Information

Note

The *Resolve Blocked Documents - Trade Compliance* app is deprecated and will soon be deleted from the launchpad.

We recommend that you switch to the successor app *Analyze and Resolve Blocked Documents - Trade Compliance* as soon as possible.

3.10.1.3.2 Enhancements of Trade Compliance Checks in Sales Documents

The Trade Compliance checks in the sales documents have been enhanced for plants abroad scenarios. Legal regulations are now also determined and checked for a plant if the country differs from the company code.

Example

If the company code is in Germany and the plant is in Netherlands, then this results not only in the determination and check of the legal regulations for Germany, but also for the Netherlands.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1W8 (Legal Control), 1WC (Embargo Control), 1WE (Restricted Party Screening with SAP Watch List Screening)
Application Component	SLL-ITR-TRC (<i>International Trade - Trade Compliance</i>)

3.10.1.3.3 Enhancement of Trade Compliance Checks in Purchasing Documents

The Trade Compliance checks in the purchasing documents have been enhanced for plants abroad scenarios. Legal Regulations are now also determined and checked for a plant if the country differs from the company code.

❖ Example

If the company code is in Germany and the plant is in Netherlands, then this results not only in the determination and check of the legal regulations for Germany, but also for the Netherlands.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1W8 (Legal Control), 1WC (Embargo Control), 1WE (Restricted Party Screening with SAP Watch List Screening)
Application Component	SLL-ITR-TRC (<i>International Trade - Trade Compliance</i>)
Available As Of	SAP S/4HANA 2021

3.10.1.3.4 Display of International Trade Compliance Status in Delivery Documents

You can now display the trade compliance status for embargo, legal control, and SAP watch list screening in visual harmonized apps for delivery documents. The trade compliance status can also be displayed in filter and result lists of delivery document apps.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1W8 (Legal Control), 1WC (Embargo Control), 1WE (Restricted Party Screening with SAP Watch List Screening)
Application Component	SLL-ITR-TRC (International Trade - Trade Compliance)
Available As Of	SAP S/4HANA 2021

3.10.1.3.5 Display of International Trade Compliance Status in Sales Documents

You can now display the trade compliance status for embargo, legal control, and SAP watch list screening in visual harmonized apps for sales order, sales order without charge, sales contract, sales quotation, and sales scheduling agreement. The trade compliance status can also be displayed in filter and result lists of Manage Sales Orders, Manage Sales Orders without Charge, and Customer 360 apps.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1W8 (Legal Control), 1WC (Embargo Control), 1WE (Restricted Party Screening with SAP Watch List Screening)
Application Component	SLL-ITR-TRC (International Trade - Trade Compliance)
Available As Of	SAP S/4HANA 2021

3.10.1.3.6 Integration of Embargo and SAP Watch List Screening into Sales Quotation

The following trade compliance checks can be carried out for the sales quotation:

- Embargo
- SAP Watch List Screening

The result of the checks can be managed with the following apps.:

- Manage Documents - Trade Compliance
 - Embargo checks for sales quotation
 - SAP Watch List Screening checks for sales quotation
- Analyze and Resolve Blocked Documents - Trade Compliance
 - Embargo checks for sales quotation
- Schedule Postprocessing - SAP Watch List Screening
 - SAP Watch List Screening checks for sales quotation

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1WC (Embargo Control), 1WE (Restricted Party Screening with SAP Watch List Screening)
Application Component	SLL-ITR-TRC (International Trade - Trade Compliance)
Available As Of	SAP S/4HANA 2021

3.10.1.3.7 Integration of Legal Control, Embargo, and SAP Watch List Screening into Inbound Delivery

The following trade compliance checks can be carried out for inbound delivery:

- Legal Control
- Embargo
- SAP Watch List Screening

The result of the checks can be managed with the following apps.:

- Manage Documents - Trade Compliance
 - Legal control checks for inbound delivery
 - Embargo checks for inbound delivery
 - SAP Watch List Screening checks for inbound delivery
- Analyze and Resolve Blocked Documents - Trade Compliance
 - Legal control checks for inbound delivery
 - Embargo checks for inbound delivery
- Schedule Postprocessing - SAP Watch List Screening
 - SAP Watch List Screening checks for inbound delivery

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1W8 (Legal Control), 1WC (Embargo Control), 1WE (Restricted Party Screening with SAP Watch List Screening)
Application Component	SLL-ITR-TRC (International Trade - Trade Compliance)
Available As Of	SAP S/4HANA 2021

3.10.1.3.8 Integration of Legal Control, Embargo, and SAP Watch List Screening into Sales Scheduling Agreements

The following trade compliance checks can be carried out for the sales scheduling agreement:

- Legal Control
- Embargo
- SAP Watch List Screening

The result of the checks can be managed with the following apps.:

- Manage Documents - Trade Compliance
 - Legal control checks for sales scheduling agreement
 - Embargo checks for sales scheduling agreement
 - SAP Watch List Screening checks for sales scheduling agreement
- Analyze and Resolve Blocked Documents - Trade Compliance
 - Legal control checks for sales scheduling agreement
 - Embargo checks for sales scheduling agreement
- Schedule Postprocessing - SAP Watch List Screening
 - SAP Watch List Screening checks for sales scheduling agreement

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1W8 (Legal Control), 1WC (Embargo Control), 1WE (Restricted Party Screening with SAP Watch List Screening)

3.10.1.3.9 Integration of Legal Control, Embargo, and SAP Watch List Screening into Trading Contract

The following trade compliance checks can be carried out for trading contract:

- Legal Control
- Embargo
- SAP Watch List Screening

The result of the checks can be managed with the following apps.:

- Manage Documents - Trade Compliance
 - Legal control checks for trading contract
 - Embargo checks for trading contract
 - SAP Watch List Screening checks for trading contract
- Analyze and Resolve Blocked Documents - Trade Compliance
 - Legal control checks for trading contract
 - Embargo checks for trading contract
- Schedule Postprocessing - SAP Watch List Screening
 - SAP Watch List Screening checks for trading contract

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1W8 (Legal Control), 1WC (Embargo Control), 1WE (Restricted Party Screening with SAP Watch List Screening)
Application Component	SLL-ITR-TRC (<i>International Trade - Trade Compliance</i>)
Available As Of	SAP S/4HANA 2021

3.10.1.4 Integration for International Trade

3.10.1.4.1 Trade Compliance Status Synchronization from Global Trade Services into Sales Documents

Trade Compliance Status Synchronization from Global Trade Services into sales order and sales scheduling agreement offers the synchronization of legal control, embargo, and sanctions party list (SPL) check results from SAP Global Trade Services (SAP GTS) and guarantees the persistence of trade compliance check results from SAP GTS. The main benefit of this is to make trade compliance check results from SAP GTS directly available in sales orders and sales scheduling agreements and to enable automatic updates of trade compliance check results from SAP GTS.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	24J
Application Component	SLL-ITR-INT-GTS (International Trade - GTS Integration)
Available As Of	SAP S/4HANA 2021

3.10.1.4.2 Schedule Sales Document Status Update – Global Trade Services

After the compliance status of the sales order or sales scheduling agreement was changed in the SAP Global Trade Services system, the updated status can be automatically synchronized with the SAP S/4HANA system. If this status update fails - for example when the sales order or sales scheduling agreement is blocked in SAP S/4HANA - you can use the [Schedule Sales Document Status Update - Global Trade Services](#) app to schedule the status update job to get the sales order or sales scheduling agreement updated in SAP S/4HANA.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	24J
Application Component	SLL-ITR-INT-GTS (<i>International Trade - GTS Integration</i>)
Available As Of	SAP S/4HANA 2021

3.10.1.4.3 Activation of Transfer of Documents to SAP Global Trade Services on Document Type/Company Code Level

It is now possible to activate the transfer of documents to SAP Global Trade Services not only on document type level, but also on document type / company code level. This provides more options to fine-tune the transfer of documents and will reduce the data traffic between S/4HANA and SAP GTS.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	24J, 2U1
Application Component	SLL-ITR-INT-GTS (<i>International Trade - GTS Integration</i>)
Available As Of	SAP S/4HANA 2021

3.10.1.5 Intrastat

3.10.1.5.1 Third Party Declarants for Spain

In Spain, it is now possible to assign third party declarants to providers of information and create Intrastat declarations with information relevant for third party declarants.

Technical Details

Type	New
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Functional Localization	Localized for Spain
Scope Item	BDT
Application Component	SLL-ITR-ISR (<i>Intrastat Reporting</i>)
Available As Of	SAP S/4HANA 2021

3.10.1.5.2 Additional Fields in Intrastat Declarations for Dispatches in Slovakia

For Slovakia, a new legal change is planned to take effect on January 1st, 2022. The following 2 new fields were added to Intrastat declarations for dispatches:

- Partner VAT registration number
- Country of origin

Before January 1st, 2022, these two fields are optional. Companies can start to specify this information before January 1st, 2022, to adapt their business processes in advance of the legal change.

Technical Details

Type	New
Functional Localization	Localized for Slovakia
Scope Item	BDT
Application Component	SLL-ITR-ISR (<i>Intrastat Reporting</i>)
Available As Of	SAP S/4HANA 2021

3.10.1.5.3 Additional Fields in Intrastat Declarations for Dispatches in Denmark

For Denmark, a new legal change is planned to take effect on January 1st, 2022. The following 2 new fields were added to Intrastat declarations for dispatches:

- Partner VAT registration number
- Country of origin

Before January 1st, 2022, these two fields are optional. Companies can start to specify this information before January 1st, 2022, to adapt their business processes in advance of the legal change.

Technical Details

Type	New
Functional Localization	Localized for Denmark
Scope Item	BDT
Application Component	SLL-ITR-ISR (Intrastat Reporting)
Available As Of	SAP S/4HANA 2021

3.10.1.5.4 Additional Fields in Intrastat Declarations for Dispatches in Slovenia

For Slovenia, a new legal change is planned to take effect on January 1st, 2022. The following 2 new fields were added to Intrastat declarations for dispatches:

- Partner VAT registration number
- Country of origin

Before January 1st, 2022, these two fields are optional. Companies can start to specify this information before January 1st, 2022, to adapt their business processes in advance of the legal change.

Technical Details

Type	New
Functional Localization	Localized for Slovenia
Scope Item	BDT
Application Component	SLL-ITR-ISR (Intrastat Reporting)
Available As Of	SAP S/4HANA 2021

3.10.1.5.5 Additional SDF File Format for Intrastat Declarations in Denmark

Prior to SAP S/4HANA 2021, INTRA-DK file format has been supported for Denmark. The INTRA-DK file format will be phased out at the end of 2021.

After the upgrade to SAP S/4HANA 2021, the additional SDF file format is supported for Denmark. The SDF file format can also be used after the end of 2021.

i Note

The two new fields in dispatch declaration, *partner VAT registration number* and *country of origin*, are supported by the SDF file format and not by the INTRA-DK file format.

For more information, see the legal announcement of the Danish authority.

Technical Details

Type	New
Functional Localization	Localized for Denmark
Scope Item	BDT
Application Component	SLL-ITR-ISR (<i>Intrastat Reporting</i>)
Available As Of	SAP S/4HANA 2021

3.10.1.5.6 Availability of Items for Corrections to previous Months for all Countries

Prior to SAP S/4HANA 2021, items for corrections to previous months were supported only for Italy and the Netherlands. After the upgrade to SAP S/4HANA 2021, items for corrections to previous months are supported for all countries. The following country-specific details must be taken into account:

- Items for corrections to previous months are taken over into declaration files only for Italy and the Netherlands. For all other countries, they are for Information purpose only. Users can check and decide if items for corrections to previous months must be reported to the authority by other means than declaration files.
- Items for corrections to previous months in French dispatch declarations are not available because corrections to previous months for dispatches in France are declared in the same section as normal items.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	BDT
Application Component	SLL-ITR-ISR (<i>Intrastat Reporting</i>)
Available As Of	SAP S/4HANA 2021

3.10.1.5.7 Additional Fields in Intrastat Declarations for Dispatches in Luxembourg

For Luxembourg, a new legal change took effect on January 1st, 2021. The following 2 new fields were added to Intrastat declarations for dispatches:

- Partner VAT registration number
- Country of origin

Technical Details

Type	New
Functional Localization	Localized for Luxembourg
Scope Item	BDT
Application Component	SLL-ITR-ISR (<i>Intrastat Reporting</i>)
Available As Of	SAP S/4HANA 2021

3.10.1.5.8 Additional Fields in Intrastat Declarations for Dispatches in the Netherlands

For the Netherlands, a new legal change took effect on January 1st, 2021. The following 2 new fields were added to Intrastat declarations for dispatches:

- Partner VAT registration number
- Country of origin

In addition, the *Procedure* field is obsolete as of January 1st, 2021.

Technical Details

Type	New
Functional Localization	Localized for the Netherlands
Scope Item	BDT
Application Component	SLL-ITR-ISR (<i>Intrastat Reporting</i>)
Available As Of	SAP S/4HANA 2021

3.11 Commodity Management

3.11.1 Commodity Procurement

3.11.1.1 Deal Capture

This feature helps you capture the details of physical and strategy trade deals in the oil and gas industry in an intuitive and efficient way.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FIN-FSCM-TRM-CRM ()
Valid as Of	SAP S/4HANA 2021

Additional Details

Refineries generally operate an integrated network of midstream and downstream oil and gas operations with the objective of refining crude oil and other feedstocks into transportation fuels. To support this business, traders negotiate the purchase of crude oil and feedstocks to supply the refineries demands and also negotiate sales contracts for refined fuels such as gasoline, diesel, and jet fuel. Traders can also sell crude oil and

feedstocks to other oil trading companies when there is an oversupply at the refineries, and can procure refined fuels when the refineries are not able to meet demand.

Therefore, traders need to capture sales deals, purchase deals, borrow and loan deals, strategy deals, and even buy and sell deals that include both purchase and sales agreements in the same deal.

This feature supports capturing all these types of deals.

Related Information

[Deal Capture](#)

3.11.2 Commodity Sales

3.11.2.1 Deal Capture

This feature helps you capture the details of physical and strategy trade deals in the oil and gas industry in an intuitive and efficient way.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FIN-FSCM-TRM-CRM ()
Valid as Of	SAP S/4HANA 2021

Additional Details

Refineries generally operate an integrated network of midstream and downstream oil and gas operations with the objective of refining crude oil and other feedstocks into transportation fuels. To support this business, traders negotiate the purchase of crude oil and feedstocks to supply the refineries demands and also negotiate sales contracts for refined fuels such as gasoline, diesel, and jet fuel. Traders can also sell crude oil and feedstocks to other oil trading companies when there is an oversupply at the refineries, and can procure refined fuels when the refineries are not able to meet demand.

Therefore, traders need to capture sales deals, purchase deals, borrow and loan deals, strategy deals, and even buy and sell deals that include both purchase and sales agreements in the same deal.

This feature supports capturing all these types of deals.

Related Information

[Deal Capture](#)

3.11.3 DCS Floating Price Definition

With this function in transaction *Specify Commodity Derivative Specification* (FDCS01), on the new *Floating Price Details* tab, you can indicate that the selected exchange-traded contract is subject to a settlement price calculation, based on one or more underlying legs as relevant for swap futures or spread futures. Setting this flag enables you to maintain the underlying's risk breakout information and using risk breakout views in *Commodity Risk Analytics*.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FIN-FSCM-TRM-CRM ()
Available As Of	SAP S/4HANA 2021

3.12 APIs for Finance

3.12.1 SOAP API: Journal Entry – Change (Asynchronous)

The API *Journal Entry - Change (Asynchronous)* (JournalEntryBulkChangeRequest_In) has been changed as follows:

- The field `PaymentDifferenceReasonChange` has been added to the `JournalEntryGLItem` and `JournalEntryDebtorCreditorItem` nodes. This enables you to update the reason code for a payment difference of an existing accounting document.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Accounting and Financial Close
Application Component	AC-INT
Available As Of	SAP S/4HANA 2021

Related Information

[Journal Entry - Change \(Asynchronous\)](#)

3.12.2 SOAP API: Journal Entry – Post (Asynchronous and Synchronous)

The APIs [Journal Entry - Post \(Asynchronous\)](#) (`JournalEntryBulkCreationRequest_In`) and [Journal Entry - Post \(Synchronous\)](#) (`JournalEntryCreateRequestConfirmation_In`) have been changed as follows:

- The field `JointVentureBillingType` has been added to the `DebtorItem` node. This enables you to categorize expense types on the partner's bill (invoice).
- The field `VATRegistration` in the `CreditorItem` node is supported.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close)
Application Component	AC-INT
Available As Of	SAP S/4HANA 2021

Related Information

[Journal Entry - Post \(Asynchronous\)](#)

[Journal Entry - Post \(Synchronous\)](#)

3.12.3 SOAP API: Journal Entry – Clearing (Asynchronous)

The API [SOAP API: Journal Entry – Clearing \(Asynchronous\)](#) (`JournalEntryBulkClearingRequest_In`) has been changed as follows to support partial and residual clearing:

- The following fields have been added to the `APARItems` node:
 - `PartialPaymentAmtInDspCrcy`
 - `CashDiscountAmountInDspCrcy`
 - `OtherDeductionAmountInDspCrcy`
 - `PaymentDifferenceReason`

In addition, the `APARItems` node has been updated with the `PaymentDifferenceDistribution` field and the `APARItems- PaymentDifferenceDistribution` substructure.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close) O58 (Accounting and Financial Close)
Application Component	AC-INT
Available As Of	SAP S/4HANA 2021

Related Information

[Journal Entry – Clearing \(Asynchronous\)](#)

3.12.4 SOAP API: Journal Entry by Ledger - Post (Asynchronous)

The *Journal Entry by Ledger - Post (Asynchronous)* service enables you to post journal entries asynchronously by ledger from external systems to your SAP S/4HANA system.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Accounting and Financial Close
Application Component	AC-INT
Available As Of	SAP S/4HANA 2021

Related Information

[Journal Entry by Ledger - Post \(Asynchronous\)](#)

3.12.5 General Ledger Account Events

General Ledger Account events are now available on SAP API Business Hub (<https://api.sap.com>): The *Created* event informs a remote system about newly created G/L accounts in an SAP S/4HANA tenant. The *Changed* event informs a remote system when a G/L account is changed in the chart of accounts view in an SAP S/4HANA tenant.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close)

Application Component	<i>Accounting Interface</i> (AC-INT)
Available As Of	SAP S/4HANA 2021

Related Information

[General Ledger Account Events](#)

3.12.6 Journal Entry - Event

The *Journal Entry* event is available on SAP API Business Hub (<https://api.sap.com>). It informs a remote system about created journal entries in an SAP S/4HANA tenant.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Accounting and Financial Close
Application Component	AC-INT
Available As Of	SAP S/4HANA 2021

Related Information

[Journal Entry Event](#)

3.13 Country/Region Specifics

For country/region-specific changes, please see [Country/Region Specifics \[page 1117\]](#).

4 Human Resources

4.1 External Employment in the New Business Partner Model

This feature enables you to process HR master data for external employees (e.g. contingent workers) in the new employee business partner (BP) model. You can also maintain HR master data for external employees with multiple external contracts, as well as for mixed employment scenarios (internal and external assignment of an employee). This feature enhances the existing model with new BP roles, a new BP identification type, as well as new BP relationship categories.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-HR-S4 (<i>Cross-Application HCM Objects in S/4HANA</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

In the new employee BP model, you can create a BP representing the contract for each external employment. This BP is linked to the corresponding BP representing the external employee.

To distinguish between internal employees and external employees, you can use the new Business Add-In *BAdI: Contingent Worker* (/SHCM/B_EXTERNAL_EMP). To maintain the supplier master data for external employees, you use the new infotype *Supplier* (3435).

To maintain the master data for external resources, you can use the following new role types, BP relationship categories, and identification type.

New Roles

- The role *Service Performer* (BBP005) is added to the root BP representing the external employee.
- The role *External Employment* (BUP011) is assigned to the BP representing the contract.

New BP Relationship Categories

- The BP relationship category *External Employment* (HCM002) links the root BP to the BP representing the contract.
- The BP relationship category *Service Performer* (BUR025) links the root BP to the BP of the external supplier.
- The BP relationship category *Service Performer Contract* (HCM003) links the BP representing the contract to the BP of the external supplier.

New BP Identification Type

The BP identification type *Service Performer* (HCM030) links the root BP to the central person (CP).

Effects on System Administration

To synchronize master data for external employees, you use the BP synchronization report *S/4 BP Synchronization* (/SHCM/RH_SYNC_BUPA_FROM_EMPL).

To display an overview of a BP and the different objects assigned to it (e.g. other BP instances or roles), you can use the report *Employee Business Partner Relation Overview* (/SHCM/R_EE_BP_RELATION_OVW).

Effects on Customizing

To access the new features, refer to the customizing under ► *Personnel Management* ► *SAP S/4HANA for Human Resources* ► *Synchronize Business Partners with an Active Business Partner Integration* ► *External Resource* ►.

Related Information

[New Employee Business Partner Model in S/4HANA](#)

[External Resource in the New Employee Business Partner Model in S/4HANA](#)

4.2 Country/Region Specifics

For country/region-specific changes, please see [Country/Region Specifics \[page 1117\]](#).

5 Manufacturing

5.1 Production Engineering

5.1.1 Integration with SAP S/4HANA Change Record

With this new feature, you can now use SAP S/4HANA for Manufacturing together with SAP S/4HANA Change Record.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BJ8 (Make-to-Stock - Process Manufacturing Based on Process Order), 1NF (Engineering Change Management with Change Records)
Application Component	PP-PI-MD-MRC (<i>Master Recipe</i>); PP-PI-MD-PRV (<i>Production Version</i>); PP-PI-POR (<i>Process Order</i>); LO-MD-BOM (<i>Bills of Material</i>); PLM-CR (<i>Change Management</i>)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

To enable approved production for process orders, you need to make the following settings in Customizing for Manufacturing:

- To enable automatic approval, enable the *Required Approval* feature under ► *Production Planning for Process Industries* ► *Process Order* ► *Master Data* ► *Order* ► *Define Order-Type-Dependent Parameters for Process Orders* and configure a process order type to require approval on tab *Master Data* in the section *Recipe*.
- Optional: For the creation or change of a master recipe, you can set a more restrictive change rule than the one in the recipe profile. You can find this option under ► *Production Planning for Process Industries* ► *Master Data* ► *Master Recipe* ► *Settings for the Task List Type* ► *Define Master Recipe Profiles with Default Values*.

- Configure a change record type (or different change record types) according to your needs with master recipe, BOM, and inspection plan as item types.

There are two new change rules available:

- [4](#): Requires a change record to change the master recipe.
- [5](#): In addition to a change record, a change record type is also required. If you choose change rule [5](#), the change record type is set automatically by the system according to the used change record for this change. Any further change requires a change number generated from a change record of the specified change record type.

Related Information

[Change Management \(PLM-CR\)](#)

5.1.2 Production Resources/Tools

These apps enable users to view, create, and update miscellaneous PRTs. Users can assign document PRTs and miscellaneous PRTs to routings and master recipes.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BJ5 (Make-to-Stock Production - Discrete Manufacturing), BJ8 (Make-to-Stock - Process Manufacturing)
Application Component	PP-BD-PRT (Production Resources/Tools)
Valid as Of	SAP S/4HANA 2021

Related Information

[Production Resources/Tools](#)

5.1.3 Display Material PRT Usage in Production Orders

These apps enable users to view, create, and update material PRTs. Users can assign material PRTs to routings and master recipes in addition to document PRTs and miscellaneous PRTs.

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	BJ5 (Make-to-Stock Production - Discrete Manufacturing), BJ8 (Make-to-Stock - Process Manufacturing)
Application Component	PP-BD-PRT (Production Resources/Tools)
Valid as Of	SAP S/4HANA 2021

Related Information

[Production Resources/Tools](#)


5.1.4 OData API: Work Center

With the OData API [Work Center](#) (API_WORK_CENTERS), you can read, create, and update all details of a work center. Batch mode is supported for create and update operations of specific entities in a work center.

Technical Details

Type	Changed
Functional Localization	Not Applicable
Scope Item	BJ5(Make-to-Stock Production - Discrete Manufacturing)
Application Component	PP-BD-WKC (Work Center)
Valid as Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com> )

Related Information

[Work Center](#)

5.1.5 Apps for Production Engineering

With this feature, you have access to several new apps for Production Engineering.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BJ5 (Make-to-Stock Production - Discrete Manufacturing), BJ8 (Make-to-Stock - Process Manufacturing)
Application Component	PP-PI-MD-MRC(Master Recipe) PP-BD-RTG(Production Routing)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following apps are now available:

- [Manage Standard Text](#) (transaction CA10)
- [Usage of Work Centers in Routings](#) (transaction CA80)
- [Usage of Resources in Master Recipes](#) (transaction CA81)
- [Replace Work Centers in Routings](#) (transaction CA85N)
- [Replace Resources in Master Recipes](#) (transaction CA86)
- [Display Task List Changes](#) (transaction CA60)
- [Delete Task Lists without Archiving](#) (transaction CA98)

Related Information

- [Manage Standard Text](#)
- [Display Task List Changes](#)
- [Delete Task Lists Without Archiving](#)
- [Usage of Resources](#)
- [Replace Resources](#)
- [Usage of Work Centers](#)
- [Replace Work Centers](#)

5.1.6 Manage Routings

With this app, you can search through existing routings and navigate to the apps for creation of new routings and change of existing routings.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BJ5(Make-to-Stock Production - Discrete Manufacturing)
Application Component	PP-BD-RTG (Manage Routings)
Valid as Of	SAP S/4HANA 2021

Related Information

- [Manage Routings](#)

5.1.7 Manage Master Recipes

With this app, you can search through existing master recipes. You can also navigate to the apps for creation of new master recipes and change of existing master recipes.

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	BJ8(Make-to-Stock - Process Manufacturing Based on Process Order)
Application Component	PP-PI-MD-MRC (Master Recipe)
Valid as Of	SAP S/4HANA 2021

Related Information

[Manage Master Recipes](#)

5.1.8 Business Events for Work Center / Resource

This feature enables you to trigger business events such as Change, Create, and Delete in the Work Center business object.

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	BJ5(Make-to-Stock Production - Discrete Manufacturing), BJ8(Make-to-Stock - Process Manufacturing Based on Process Order)
Application Component	PP-PI-MD-RSC (Resource) PP-BD-WKC (Work Center)
Valid as Of	SAP S/4HANA 2021

Related Information

[Work Center Events](#)

5.1.9 Business Events for Master Recipe

This feature enables you to trigger business events such as Change, Create, and Delete in the Master Recipe business object.

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	BJ8(Make-to-Stock - Process Manufacturing Based on Process Order)
Application Component	PP-PI-MD-MRC (Master Recipe)
Valid as Of	SAP S/4HANA 2021

Related Information

[Master Recipe Events](#)

5.1.10 SOAP API: Work Center (Version 2)

With the SOAP API [Work Center \(Version 2\)](#) (CO_PPINT_WRK_CTR_INFO_OUT_V2), you can replicate a work center from S/4 HANA Cloud system to Manufacturing Execution System(MES). In this API, the sent messages are monitored using Application Interface Framework (AIF).

Technical Details

Type	New
------	-----

Functional Localization	Not applicable
Scope Item	BNJ(Create Production Work Center)
Application Component	PP-BD-WKC (Work Center)
Valid as Of	SAP S/4HANA 2021

Related Information

[Work Center - Replicate \(Version 2\)](#)

5.1.11 SOAP API: Production Routing (Version 2)

With the SOAP API [Production Routing \(Version 2\)](#) (CO_PPINT_MFG_ROUTING_V2), you can replicate production planning routing messages from S/4 HANA system to Manufacturing Execution System(MES). With this API, the sent messages are monitored using Application Interface Framework (AIF)

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	3W4(Third-Party Shop Floor Execution - Discrete Industry)
Application Component	PP-BD-RTG (Production Routing)
Valid as Of	SAP S/4HANA 2021

Related Information

[Production Routing - Replicate \(Version 2\)](#)

5.1.12 SOAP API: Master Recipe (Version 2)

With the SOAP API [Master Recipe \(Version 2\)](#) (CO_PPINT_MFG_MASTER_RECIPE_V2), you can replicate production planning master recipes from S/4 HANA system to Manufacturing Execution System(MES). With this API, the sent messages are monitored using Application Interface Framework (AIF).

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	3W4(Third-Party Shop Floor Execution - Discrete Industry)
Application Component	PP-PI-MD-MRC (Master Recipe)
Valid as Of	SAP S/4HANA 2021

Related Information

[Master Recipe - Replicate \(Version 2\)](#)

5.1.13 SOAP API: Production Version (Version 2)

With the SOAP API, Production Version (Version 2), you can replicate the changes in production version from S/4 HANA Cloud system to Manufacturing Execution System(MES). With this API, the sent messages are monitored using Application Interface Framework (AIF).

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	3W4((Third-Party Shop Floor Execution - Discrete Industry) 3W3(Third-Party Shop Floor Execution - Process Industry)

Application Component	PP-PI-MD-PRV (<i>Production Version</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Production Version - Replicate \(Version 2\)](#)

5.1.14 OData API: Work Center

With this feature, you can create, read, and update work centers using an API service based on OData V4 protocol. The service contains entities such as work center header, work center description, cost center allocation, pooled capacity assignment, capacity header, capacity description, capacity intervals and capacity shifts.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BJ8(Make-to-Stock - Process Manufacturing Based on Process Order)
Application Component	PP-BD-WKC (<i>Work Center</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Work Center](#)

5.1.15 OData API: Pooled Capacity

With this feature, you can create, read and update pooled capacity with a service based on OData V4 protocol. The service contains entities such as pooled capacity header, pooled capacity description, pooled capacity interval and pooled capacity shift details.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BJ5(Make-to-Stock Production - Discrete Manufacturing)
Application Component	PP-BD-WKC (<i>Work Center</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Work Center Pooled Capacity](#)

5.1.16 OData API: Production Routing

With this feature, you can read the production resource/tools (PRT) that are required to carry out an operation in Production Routings. You can perform the read operation on the Material PRT, Equipment PRT, Miscellaneous PRT, or Document PRT.

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	3W4(Third-Party Shop Floor Execution - Discrete Industry)
Application Component	PP-BD-RTG (<i>Production Routing</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Production Routing](#)

5.1.17 OData API: Master Recipe

With this feature, you can describe the standard work formula parameters for the phase of a master recipe.

- StandardWorkFormulaParam1
- StandardWorkFormulaParam2
- StandardWorkFormulaParam3
- StandardWorkFormulaParam4
- StandardWorkFormulaParam5
- StandardWorkFormulaParam6
- StandardWorkFormulaParamName1
- StandardWorkFormulaParamName2
- StandardWorkFormulaParamName3
- StandardWorkFormulaParamName4
- StandardWorkFormulaParamName5
- StandardWorkFormulaParamName6

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	3W3(Third-Party Shop Floor Execution - Process Industry)
Application Component	PP-PI-MD-MRC (<i>Master Recipe</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Master Recipe](#)

5.1.18 Manage Work Center Groups

With this release, you can now view and edit the Shift Node Type and Shift Report Type with reference to a work center or resource in the details page of the app under the Shop floor Execution Details facet.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BNJ(Create Production Work Center)
Application Component	PP-BD-WKC (<i>Work Center</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Manage Work Center Groups](#)

5.2 Production Planning

5.2.1 Material Requirements Planning

5.2.1.1 Time-Dependent Safety Stock

With this feature you can use the time-dependent safety stock to make the safety stock more flexible and dynamic.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J44 (Material Requirements Planning), BJ5 (Make-to-Stock Production - Discrete Manufacturing), BJ8 (Make-to-Stock - Process Manufacturing Based on Process Order)
Application Component	PP-MRP (<i>Material Requirements Planning</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The current level of the time-dependent safety stock as an absolute value. The progression of the time-dependent safety stock is shown in the planning situation as safety demands. It has an absolute value for the current period, followed by delta quantities with reference to the predecessor safety stock.

Effects on Data Transfer

In the [Manage Product Master Data](#) app, you can specify the safety stock method. A new field is available to select static or time-dependent safety stock.

5.2.1.2 Monitor Material Coverage

The following features are now available for the [Monitor Material Coverage - Net Segments](#) and [Monitor Material Coverage - Net and Individual Segments](#) apps:

- Intraday supply
- Shortage with reference to safety time

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J44 (Material Requirements Planning)
Application Component	PP-FIO-MRP (Fiori UI for Material Requirements Planning) PP-MRP (Material Requirements Planning)
Available As Of	SAP S/4HANA 2021

Additional Details

Intraday Supply

The new intraday supply is a combination of days' supply and a statistical statement about how long (evenly averaged over the day) the final previous days' inventory will be sufficient relative to the aggregated daily requirement. You can filter and sort the displayed lists by this new column. The intraday supply is displayed with two decimal places.

Shortage with Reference to Safety Time

Two new threshold types are available in the material shortage profile. These threshold types determine the colors used in the *Stock Availability* column of the *Monitor Material Coverage - Net Segments* and *Monitor Material Coverage - Net and Individual Segments* apps. The column displays a chart that shows the stock availability of a selected material within the horizon you select.

A new calculation of the colors of the *Stock Availability* chart is only done for days that have a supply or demand. Otherwise the color stays like on the day before.

Note

The new features are available for the successor apps of *Monitor Material Coverage - Net Segments (Obsolete)* and *Monitor Material Coverage - Net and Individual Segments (Deprecated)*, which are based on the SAP Fiori Elements framework. For more information, see [Deprecated Apps in Material Requirements Planning \[page 444\]](#).

Effects on Existing Data

To display shortages with reference to safety time, one of the following settings must be made in the material master:

- Safety time (complete days)
- Material shortage profile (which has the relevant threshold type, see below) (days with decimals)

Effects on Customizing

To display shortage with reference to safety time, you must select one of the following new threshold types in Customizing for *Production* under **► Material Requirements Planning ► Apps for Material Requirements Planning ► General Settings ► Define Material Shortage Profiles ►**:

- *Avail.Qty Below Zero with Days Coverage*
- *Avail.Qty Below Safety Stock with Days Coverage*

The chart displays the colors as follows, depending on the material shortage profile:

- *Avail.Qty Below Zero with Days Coverage*
 - Stock < 0: red
 - 0 ≤ stock < dynamic safety stock: yellow
 - Dynamic safety stock ≤ stock: green
- *Avail.Qty Below Safety Stock with Days Coverage*
 - Stock < dynamic safety stock: red
 - Stock ≥ dynamic safety stock: green

Related Information

[Monitor Material Coverage - Net Segments](#)

[Monitor Material Coverage - Net and Individual Segments](#)

5.2.1.3 Depreciated Apps in Material Requirements Planning

The following apps were deprecated or removed from the SAP Fiori launchpad and replaced with successor apps that are based on the SAP Fiori elements framework:

- [Monitor Production Orders or Process Orders](#) (deprecated)
- [Monitor Material Coverage - Net and Individual Segments](#) (deprecated)
- [Monitor Material Coverage - Net Segments \(Obsolete\)](#) (removed from the SAP Fiori launchpad)

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	J44 (Material Requirements Planning)
Application Component	PP-MRP (Material Requirements Planning)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

The successor apps of [Monitor Production Orders or Process Orders](#), [Monitor Material Coverage - Net and Individual Segments](#) and [Monitor Material Coverage - Net Segments \(Obsolete\)](#) cover the same functionality as the apps that were deprecated or removed. However, using the Fiori elements framework caused some minor changes on the user interface.

The deprecated apps [Monitor Production Orders or Process Orders](#) and [Monitor Material Coverage - Net and Individual Segments](#) will be deleted from the SAP Fiori launchpad as of [SAP S/4HANA 2022](#). They may no longer be available by default on the SAP Fiori launchpad. In this case, you can find them in the app finder until they are deleted. We recommend that you switch to the successor apps as soon as possible.

Related Information

[Monitor Material Coverage - Net Segments](#)
[Monitor Material Coverage - Net and Individual Segments](#)
[Monitor Production Orders or Process Orders](#)

5.2.1.4 Production Planning with Alternative Plant

With this feature, you can display information on the planning plant and the supplying / receiving plant in the [Manage Material Coverage](#) and [Manage Production Orders or Process Orders](#) apps if a material is planned and produced in two different plants. The new column with this information is only visible if a material is relevant for this scenario. Information on the special procurement type was added to the material info and the material quick view of the apps.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J44 (Material Requirements Planning)
Application Component	PP-MRP (Material Requirements Planning)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

The material to be produced must be assigned a special procurement type that indicates the production in another plant.

Related Information

[Manage Material Coverage](#)
[Monitor Production Orders or Process Orders](#)

5.2.1.5 Create MRP Change Requests

With this new app, you can now create change requests and send them to suppliers using an external system.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J44 (Material Requirements Planning)
Application Component	PP-FIO-MRP (<i>Fiori UI for Material Requirements Planning</i>) PP-MRP (<i>Material Requirements Planning</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

You can create change requests for existing purchase order schedule lines based on the list of purchase orders from MRP rescheduling checks. You can send these change requests to the supplier to request that the supplier changes the quantity or delivery date in a purchase order so that material availability can be ensured and customer requirements can be fulfilled.

i Note

For each change request, you can specify a reason and priority to provide additional information to the supplier. Reasons and priorities can also be determined automatically depending on your configuration settings or based on an implementation of the Business Add-Ins [Retrieve Reason for MRP Change Request](#) and [Retrieve Priority for MRP Change Request](#). When suppliers reject a change request, they can specify a rejection to indicate why a change request was not accepted.

After you have received an answer from the supplier, depending on the answer, you either apply the changes, which automatically updates the purchase order, or you discard the change request. Responses to change requests can also be processed automatically according to your configuration settings or based on an implementation of the Business Add-In [Retrieve Settings for Automatic Processing of Responses to MRP Change Requests](#).

If you need to create an incident regarding this feature, use component PP-FIO-MRP.

Effects on System Administration

You must set up jobs by using the following scheduling apps:

- [Schedule MRP Rescheduling Checks](#)
Using this job, you generate the list of MRP proposals that is displayed in the [Create MRP Change Requests](#) app.
- [Schedule Sending of MRP Change Requests](#)
Using this job, you send the change requests that you have created, as well as status updates of changes requests, to your suppliers.

Effects on Customizing

You must define the available change request reasons, priorities, and rejections. In addition, you can enable automatic processing of responses to MRP change requests by defining the criteria according to which responses to MRP change requests are applied or discarded.

In Customizing for [Production](#) under [► Material Requirements Planning ► Apps Material Requirements Planning ► Settings for MRP Change Requests ►](#) use the following activities:

- [Define Reasons for MRP Change Requests](#)
- [Define Priorities for MRP Change Requests](#)
- [Define Rejections for MRP Change Requests](#)
- [Define Automatic Processing of Responses to MRP Change Requests](#)

In addition, you can create implementations of the following Business Add-Ins to automate the determination of change request priorities and reasons, as well as, the processing of responses to MRP change requests:

- [Retrieve Reason for MRP Change Request](#)
- [Retrieve Priority for MRP Change Request](#)
- [Retrieve Settings for Automatic Processing of Responses to MRP Change Requests](#)

Related Information

[Create MRP Change Requests](#)

[SOAP API: MRP Change Request - Send \[page 450\]](#)

[SOAP API: MRP Change Request Response - Receive \[page 451\]](#)

[SOAP API: MRP Change Request Confirmation - Send \[page 452\]](#)

[OData API: MRP Change Request Reason - Read \[page 452\]](#)

[OData API: MRP Change Request Priority - Read \[page 453\]](#)

[OData API: MRP Change Request Rejection - Read \[page 454\]](#)

5.2.1.6 My Area of Responsibility for Work Center Groups

With this feature, you can use the [My Area of Responsibility for Work Center Groups](#) app to display all work center groups of each plant and assign the names of the work center groups and plants for which you are

responsible. You can change the assignment of the work center groups and plants at any time. The app is available in the search function embedded in the shell bar and in the app finder.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J44 (Material Requirements Planning)
Application Component	PP-FIO-MRP (Fiori UI for Material Requirements Planning) PP-MRP (Material Requirements Planning)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

You need to group work centers into groups based on the group type and plant in the [Manage Work Center Groups](#) app.

Related Information

[My Area of Responsibility for Work Center Groups](#)
[Manage Work Center Groups](#)

5.2.1.7 Schedule Unassigning of MRP Areas

With this new application job app, you can schedule the deletion of assignments of materials to MRP areas in the product master as a background job using the job template [Schedule Unassigning of MRP Areas](#). For the assignments that shall be deleted, the deletion indicator must be set.

Technical Details

Type	New
------	-----

Functional Localization	Not applicable
Scope Item	J44 (Material Requirements Planning)
Application Component	PP-MRP (Material Requirements Planning)
Available As Of	SAP S/4HANA 2021

Related Information

[Schedule Unassigning of MRP Areas Application Jobs](#)

5.2.1.8 Schedule MRP Rescheduling Checks

With this new app, you can now schedule MRP rescheduling checks to run periodically.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J44 (Material Requirements Planning)
Application Component	PP-FIO-MRP (Fiori UI for Material Requirements Planning) PP-MRP (Material Requirements Planning)
Available As Of	SAP S/4HANA 2021

Additional Details

If you need to create an incident regarding this feature, use component PP-FIO-MRP.

Related Information

[Schedule MRP Rescheduling Checks](#)

5.2.1.9 Schedule Sending of MRP Change Requests

With this new app, you can now schedule MRP change requests and status updates to be sent to your suppliers periodically, by using the APIs provided.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J44 (Material Requirements Planning)
Application Component	PP-FIO-MRP (<i>Fiori UI for Material Requirements Planning</i>) PP-MRP (<i>Material Requirements Planning</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

If you need to create an incident regarding this feature, use component PP-FIO-MRP.

Related Information


[Schedule Unassigning of MRP Areas](#)
[Application Jobs](#)

5.2.1.10 SOAP API: *MRP Change Request - Send*

This service enables you to send MRP change requests to suppliers using an external system. Using this asynchronous outbound service, you can transfer one or more change requests.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J44 (Material Requirements Planning)
Application Component	PP-MRP (Material Requirements Planning), PP-ES (Enterprise Services)
Available As Of	SAP S/4HANA 2021

This API is available on the SAP API Business Hub (<https://api.sap.com> )

Related Information


[MRP Change Request - Send](#)

5.2.1.11 SOAP API: *MRP Change Request Response - Receive*

This service enables you to receive MRP change request responses from suppliers using an external system. Using this asynchronous inbound service, you can receive one or more responses at the same time.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J44 (Material Requirements Planning)
Application Component	PP-MRP (Material Requirements Planning), PP-ES (Enterprise Services)
Available As Of	SAP S/4HANA 2021

This API is available on the SAP API Business Hub (<https://api.sap.com> )

Related Information

[MRP Change Request Response - Receive](#)

5.2.1.12 SOAP API: *MRP Change Request Confirmation - Send*

This service enables you to send MRP change request confirmations to suppliers using an external system. Using this asynchronous outbound service, you can send one or multiple confirmations at the same time.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J44 (Material Requirements Planning)
Application Component	PP-MRP (<i>Material Requirements Planning</i>), PP-ES (<i>Enterprise Services</i>)
Available As Of	SAP S/4HANA 2021

This API is available on the SAP API Business Hub (<https://api.sap.com>.

Related Information

[MRP Change Request Confirmation - Send](#)

5.2.1.13 OData API: *MRP Change Request Reason - Read*

This OData API enables external systems to read the reasons that are configured for change requests in *Material Requirements Planning*. Change request reasons can be assigned to change requests to provide additional information about why a change request was created. This synchronous inbound service reads the available reasons along with their descriptions to make them available to suppliers using an external system.

Technical Details


Type	New
Functional Localization	Not applicable
Scope Item	J44 (Material Requirements Planning)
Application Component	PP-MRP (<i>Material Requirements Planning</i>), PP-ES (<i>Enterprise Services</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

Change request reasons are determined automatically for change requests that are based on rescheduling proposals. If required, they can be changed in the [Create MRP Change Requests](#) app before a change request is transferred to the external system.

Effects on Customizing

To use this service, you must complete the configuration activity [Define Reasons for MRP Change Requests](#) in Customizing for *Production* under ► [Material Requirements Planning](#) ► [Apps for Material Requirements Planning](#) ► [Settings for MRP Change Requests](#) ►.

This API is available on the SAP API Business Hub (<https://api.sap.com> .

Related Information

[MRP Change Request Reason - Read](#)

5.2.1.14 OData API: *MRP Change Request Priority - Read*

This OData API enables external systems to read the priorities that are configured for change requests in [Material Requirements Planning](#). Priorities can be assigned to change requests to provide information about which change requests are most important and must be processed first. This synchronous inbound service reads the available priorities along with their descriptions to make them available to suppliers using an external system.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J44 (Material Requirements Planning)
Application Component	PP-MRP (Material Requirements Planning), PP-ES (Enterprise Services)
Available As Of	SAP S/4HANA 2021

Additional Details

For change requests that are based on rescheduling proposals, change request priorities can be determined automatically according to your configuration. If required, they can be added or changed in the [Create MRP Change Requests](#) app before a change request is transferred to the external system.

Effects on Customizing

To use this service, you must complete the configuration activity [Define Priorities for MRP Change Requests](#) in Customizing for [Production](#) under [Material Requirements Planning](#) > [Apps for Material Requirements Planning](#) > [Settings for MRP Change Requests](#).

This API is available on the SAP API Business Hub (<https://api.sap.com>).

Related Information

[MRP Change Request Priority - Read](#)

5.2.1.15 OData API: [MRP Change Request Rejection - Read](#)


This service enables external systems to read the rejection reasons that are configured for change requests in [Material Requirements Planning](#). When suppliers reject a change request, they can specify one of the rejection reasons to provide additional information about why a change request was rejected. This synchronous inbound service reads the available rejections along with their descriptions to make them available to suppliers using an external system.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J44 (Material Requirements Planning)
Application Component	PP-MRP (Material Requirements Planning), PP-ES (Enterprise Services)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

To use this service, you must complete the configuration activity [Define Rejections for MRP Change Requests](#) in Customizing for [Production](#) under ► [Material Requirements Planning](#) ► [Apps for Material Requirements Planning](#) ► [Settings for MRP Change Requests](#) ►.

This API is available on the SAP API Business Hub (<https://api.sap.com> .

Related Information

[MRP Change Request Rejection - Read](#)

5.2.2 Capacity Planning

5.2.2.1 Manage Work Center Capacity

With this feature, you can select a date range or set an offset value before and after the current date in the [Evaluation Horizon](#) filter to narrow down your search. You can also set an overdue horizon using the [Overdue For](#) filter.

Technical Details

Type	New
------	-----

Functional Localization	Not applicable
Scope Item	31L (Production Capacity Leveling)
Application Component	PP-CFS-CE (<i>Capacity Evaluation</i>)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

You may have to update the display variants that you have previously saved (for example, with 14 days as the evaluation horizon) with the new filtering options.

Related Information

[Manage Work Center Capacity](#)

5.2.2.2 Mass Maintenance of Work Center Capacities

With this app, you can perform a mass create of intervals for the selected work center capacities. As a Production Planner, you must manage the capacities of multiple work centers to meet future demands. When you foresee a spike in demand, you can create multiple intervals for a few or all capacities that belong to the work centers in a production line/Work Center group. Intervals can be created for both working and non-working days. Within the given interval, you can create shifts for a single day and allow it to repeat on a daily, weekly or monthly basis.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	31L(Production Capacity Evaluation)
Application Component	PP-BD-WKC (<i>Work Center</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Mass Maintenance of Work Center Capacities](#)

5.2.2.3 Capacity Scheduling Table

This app was renamed from [Schedule Production](#) to [Capacity Scheduling Table](#). Additionally, you can do the following:

- Set an offset value before and after the current date in the [Evaluation Horizon](#) filter based on which the dates are calculated.
- Set a threshold for scheduling order operations in the past while rescheduling using the [Past Scheduling Threshold](#) option under [App Settings](#).
- Realign your order schedules to a past or future date.
- Assign work center groups from the [Area of Responsibility](#) control under [App Settings](#).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	3LQ (Production Capacity Leveling)
Application Component	PP-CFS-SCH (Capacity Scheduling)
Available As Of	SAP S/4HANA 2021

Additional Details

Related Information

[Capacity Scheduling Table](#)

5.2.2.4 Capacity Scheduling Board

This app was renamed from [Monitor Work Center Schedules](#) to [Capacity Scheduling Board](#). In this app, the placement of [Order Details](#) has been moved to the top-right corner, next to [Set Strategy](#). In addition to this,

[Operation Details](#) is now called [Operation Info](#), [Reschedule](#) is now called [Manage Operation](#), and [Schedule Production](#) has been moved to the extreme left.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	3LQ (Production Capacity Leveling)
Application Component	PP-CFS-GNT (Monitor Work Center Schedule Gantt View)
Available As Of	SAP S/4HANA 2021

Additional Details

You can also do the following:

- View details related to the operation in the [Manage Operation](#) page, where you can now change the scheduling start or the scheduling end of the operation based on the strategy.
- Select a free slot on the chart and view its start and end times.
- View the order receipt date and requirement date in the [Operation Info](#).
- Select a date range or set an offset value before and after the current date in the [Evaluation Horizon](#) filter to narrow down your search.
- Re-prioritize the order schedules in pacemaker work centers to an earlier or a later date using the [Realign Schedules](#) button.
- Set a threshold for scheduling order operations in the past (while rescheduling or realigning orders) using the [Past Scheduling Threshold](#) option under [App Settings](#).

Related Information


[Capacity Scheduling Board](#)

5.2.3 OData API: Planned Order

With the OData API [Planned Order](#) (`API_PLANNED_ORDERS`), you can read, create, change, and delete planned orders. The API has been made extensible for reading header data.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BJ5 (Make-to-Stock Production - Discrete Manufacturing) J44 (Material Requirements Planning)
Application Component	PP-ES (<i>Enterprise Services</i>)
Available As Of	SAP S/4HANA 2021

This API is available on the SAP API Business Hub (<https://api.sap.com/> )

Additional Details

→ Recommendation

It is recommended to use *Planned Order* OData version 4 service to manage planned orders.

Related Information

[Planned Order \(OData V4\)](#)

[Planned Order \(OData V2\)](#)

5.2.4 CDS Views for Production Planning

With this release, you can use new CDS views for Production Planning. Elements of existing CDS views are deprecated.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	BJ5 (Make-to-Stock Production - Discrete Manufacturing), BJ8 (Make-to-Stock - Process Manufacturing Based on Production Order), J44 (Material Requirements Planning)
Application Component	PP-VDM (<i>Virtual Data Model in PP</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The following CDS views are now available for Production Planning:

- I_ConfirmationApplOrigin
- I_ConfirmationApplOriginText
- I_ConfirmationRecordType
- I_ConfirmationRecordTypeText
- I_FinalConfirmationType
- I_FinalConfirmationTypeText
- I_PlannedOrderStdVH
- I_ProductMRPArea
- I_MRPAreaPlanningFileEntry
- I_RepetitiveMfgProfile
- I_RepetitiveMfgProfileText
- I_MRPMasterDataIssueBasic
- I_MfgOrderOperationTrggrPoint

The following CDS view elements are deprecated:

Deprecated Elements for CDS Views

CDS View	Deprecated Element	Successor Element
I_PlannedOrderComponent	WBSElementInternalID	WBSElementInternalID_2
	BillOfMaterialInternalID	BillOfMaterialInternalID_2
	BillOfMaterialItemNumber	BillOfMaterialItemNumber_2
I_ProdnRsceToolByInternalKey	ProdnRsceToolCategory	ProdnRsceToolCategory_2
	_ProdnRsceToolCategory	_ProdnRsceToolCategory_2
I_ProdnRsceToolMasterData	ProdnRsceToolCategory	ProdnRsceToolCategory_2
	_ProdnRsceToolCategory	_ProdnRsceToolCategory_2
I_RptvMfgProdCostCtrlgOrdItem	WBSElementInternalID	WBSElementInternalID_2
I_FailedGoodsMovementItem	WBSElementInternalID	WBSElementInternalID_2
I_RepetitiveMfgConfirmation	ProductionLot	ProductionLotInternalID
	MaterialRevisionLevel	MaterialRevisionLevel_2

CDS View	Deprecated Element	Successor Element
	ScrapQuantityInEntryUnit	RptvMfgConfEntryQuantity
	_Batch	_Batch2
I_CapacityRequirementItemCap	Operation	Operation_2
I_MfgBOOOperationChangeState	Operation	Operation_2
I_MfgBOOOpBOMItemChangeState	BillOfMaterial	BillOfMaterial_2
	BillOfMaterialRoot	BillOfMaterialRoot_2
I_MfgBOOMaterialAssgmtChgSt	WBSElementInternalID	WBSElementInternalID_2
I_MfgOrderOperationWithStatus	ManufacturingOrderOperation	ManufacturingOrderOperation_2
	ManufacturingOrderSubOperation	ManufacturingOrdSubOperation_2
	BillOfMaterialInternalID	BillOfMaterialInternalID_2
	_MfgOrderOpComponent	_MfgOrderOpComponent2
	_MfgOrderOperationPRT	_MfgOrderOperationPRT2
I_MfgOrderWithStatus	WBSElementInternalID	WBSElementInternalID_2
	MaterialRevisionLevel2	MaterialRevisionLevel_2
	BillOfMaterial	BillOfMaterialInternalID
I_ManufacturingOrder	WBSElementInternalID	WBSElementInternalID_2
	MaterialRevisionLevel2	MaterialRevisionLevel_2
	BillOfMaterial	BillOfMaterialInternalID
I_MfgOrderItemAmountCube	FiscalYear	FiscalYear_2
I_MfgOrderConfirmation	ManufacturingOrderOperation	ManufacturingOrderOperation_2
I_MfgOrderOperationComponent	ManufacturingOrderOperation	ManufacturingOrderOperation_2
	WBSElementInternalID	WBSElementInternalID_2
	BillOfMaterialItemNumber	BillOfMaterialItemNumber_2
	BillOfMaterialInternalID	BillOfMaterialInternalID_2
I_MfgOrderOperationPRT	ManufacturingOrderOperation	ManufacturingOrderOperation_2
I_ManufacturingOrderOperation	ManufacturingOrderOperation	ManufacturingOrderOperation_2
	ManufacturingOrderSubOperation	ManufacturingOrdSubOperation_2
	MfgOrderOperationOrSubOp	MfgOrderOperationOrSubOp_2
	BillOfMaterialInternalID	BillOfMaterialInternalID_2
	_MfgOrderOpComponent	_MfgOrderOpComponent2
	_MfgOrderOperationPRT	_MfgOrderOperationPRT2
I_MfgOrderSequence	MfgOrderSequenceBrnchOperation	MfgOrderSqncBranchOperation_2
	MfgOrderSequenceRetOperation	MfgOrderSqncReturnOperation_2
I_ManufacturingOrderItem	WBSElementInternalID	WBSElementInternalID_2

CDS View	Deprecated Element	Successor Element
I_PlannedOrder	WBSElementInternalID	WBSElementInternalID_2
	MaterialRevisionLevel	MaterialRevisionLevel_2

The elements are deprecated due to non-permitted conversion routines in the domains. The replacement elements contain no or only permitted conversion routines.

Related Information

[Master Data Related Issues of an MRP Run](#)
[MRP Area Planning File Entry](#)
[Repetitive Manufacturing Profile Text](#)
[Repetitive Manufacturing Profile](#)
[Product MRP Area](#)
[Manufacturing Order Operation Trigger Point](#)
[Production Resource Tool Master Data](#)
[Production Resource Tool Master Data by Internal Key](#)
[Manufacturing Bill of Operations Operation Change State](#)
[Manufacturing Bill Of Operations Operation - BOM Item Change State](#)
[Manufacturing Bill of Operations: Change State of Material Assignment](#)
[Planned Order](#)
[Planned Order Component](#)
[Manufacturing Order](#)
[Manufacturing Order Item](#)
[Manufacturing Order Item Amount Cube](#)
[Manufacturing Order Operation](#)
[Manufacturing Order Operation Component](#)
[Manufacturing Order Operation With Status](#)
[Manufacturing Order Sequence](#)
[Manufacturing Order With Status](#)
[Manufacturing Order Confirmation](#)
[Mfg Order Operation Production Resource Tool](#)
[Failed Goods Movement Item](#)
[Repetitive Manufacturing Product Cost Controlling Order Item](#)
[Repetitive Manufacturing Confirmation](#)
[Capacity Requirement Item Capacity](#)
[Mfg Order Operation Production Resource Tool](#)
[Application Origin for Order Confirmation](#)
[Confirmation Record Type](#)
[Text of Application Origin for Order Confirmation](#)
[Text for Confirmation Record Type](#)
[Final Confirmation Type](#)
[Text for Final Confirmation Type](#)
[Standard Value Help for Planned Orders](#)

5.2.5 OData API: Material Planning Data - Read

With the OData API [Material Planning Data – Read](#) (API_MRP_MATERIALS_SRV_01), you can read planning data for materials in Material Requirements Planning (MRP). This API has been made extensible for reading material master data.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J44 (Material Requirements Planning)
Application Component	PP-ES (Enterprise Services)
Available As Of	SAP S/4HANA 2021

This API is available on the SAP API Business Hub (<https://api.sap.com> .

Related Information

[Material Planning Data – Read](#)

5.3 Extended Production Planning and Scheduling

5.3.1 Demand-Driven Replenishment

5.3.1.1 Customizing for Demand-Driven Replenishment

With this feature, you can make additional Customizing settings for demand-driven replenishment for better integration of Integrated Business Planning (IBP) and support of repetitive manufacturing.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J44 (Material Requirements Planning), 1Y2 (Demand-Driven Buffer Level Management), BJH (Make-to-Stock Production - Repetitive Manufacturing)
Application Component	PP-MRP (Material Requirements Planning) PP-REM (Repetitive Manufacturing) PP-DD (Demand-Driven Replenishment)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

You can make additional Customizing settings under ► [Production](#) ► [Material Requirements Planning](#) ► [Master Data](#) ► [Check MRP Types](#) ► for the [Demand-Driven Replenishment](#) procedure.

Related Information

[Demand-Driven Replenishment Planning Procedure](#)

5.3.1.2 Projected On-Hand Alerts

With this app, you can monitor the occurrence of material stockouts closely and hence ensure that optimum quantities of stock are maintained. This app is designed to display stock alerts in the future till the decoupled lead time (DLT) before the actual replenishment takes place.

Technical Details

Type	New
Functional Localization	Not Applicable

Scope Item	2QI (Demand-Driven Replenishment Planning and Execution)
Application Component	PP-DD-REP (<i>Demand-Driven Replenishment Planning and Execution</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The app also displays an alert chart that represents the projected-on hand alerts in time- from today till DLT. You can also view the planning view and execution view of stock projections for buffered materials from the time-dependent buffer level charts.

Related Information

[Projected On-Hand Alerts](#)

5.3.2 Predictive Material and Resource Planning (pMRP)

5.3.2.1 Forecast Delivery Schedules for Materials in a Demand-Driven Environment

With this feature, you can use predictive material and resource planning (pMRP) to send forecast delivery schedules for subcomponents of demand-driven materials to suppliers.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1Y2 (Demand-Driven Buffer Level Management), 4B5 (Predictive Material and Resource Planning)

Application Component	PP-MRP (<i>Material Requirements Planning</i>)
	PP-PMR (<i>Predictive MRP</i>)
	PP-DD (<i>Demand-Driven Replenishment</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

In pMRP, you can create planned independent requirements (PIR) for subcomponents of demand-driven materials and for non-MRP Kanban materials, to create scheduling agreement delivery schedule lines.

Related Information

[Forecast Delivery Schedules for Materials in a Demand-Driven Environment](#)

5.3.2.2 Flexible Constraints

With this feature you can use the following enhancements for flexible constraints:

- In the [Define Flexible Constraints](#) app, you can create constraints for multiple materials, for example materials of a material group, supplied materials or materials of a production line. In addition, a constraint that is added without saving, is available as a draft. This prevents any loss of work before saving, for example.
- In the [Simulation Components](#) view of the [Process pMRP Simulations](#) app, you can now display the constraint quantities for each material and source of supply in a simulation. An exceeded constraint quantity is displayed in red. If there is an issue with a material constraint in a simulation, you can now check which maximum constraint for which material component has been violated.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1Y2 (Demand-Driven Buffer Level Management), 4B5 (Predictive Material and Resource Planning)

Application Component	PP-PMR (Predictive MRP)
Available As Of	SAP S/4HANA 2021

Additional Details

Related Information

[Define Flexible Constraints](#)

5.3.2.3 OData API: Flexible Constraints

A new API allows you to read flexible constraints in your system. You can also manage certain aspects of the flexible constraints, for example, by assigning a period or language-specific text.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4B5
Application Component	PP-PMR (Predictive Material and Resource Planning)
Available As Of	SAP S/4HANA On-Premise 2021

5.3.3 Production Planning and Detailed Scheduling

5.3.3.1 Fill Level View Periodic and Fill Level Detail List

With this feature, you can now display details on the fill level of resources with storage characteristics (container resources), like tanks, in the [Product Planning Table](#) and the [Detailed Scheduling Planning Board](#) in Production Planning and Detailed Scheduling (PP/DS).

Technical Details

Type	New
Application Component	SCM-APO-PPS-DST (Detailed Scheduling Planning Board)
	SCM-APO-PPS-PPT (Product Planning Table)
Available As Of	SAP S/4HANA 2021

Additional Details

The [Product Planning Table](#), now has the following new features:

- On the **selection screen**, you can now specify that resources with storage characteristics (container resources) that aren't part of the production data structure (PDS) but are assigned via the product storage definition (PSD) of selected objects are also loaded.
- In the [Product Planning Table](#), you can now use the new [Fill Level View: Periodic](#) chart that displays information rows for container resources:
 - Fill level
 - Filling and draining quantities
 - Highest and lowest fill level
 - Remaining filling quantity
 - Lowest remaining filling quantity

For each resource in the [Fill Level View: Periodic](#), you can open a [Detail List](#) which shows, for example, the following detailed information for the periods:

- Fill level
Total quantity of all products that is available in the resource at the start or end of intervals within the period
- Product fill level
Quantity of the product that is available in the resource at the start or end of intervals within the period
- Filling or draining quantities
Quantities that are filled into or drained from the resource

In the [Detailed Scheduling Planning Board](#), you can display the [Fill Level Detail List](#) as dynamic chart similar to the [Detail List](#) in the [Product Planning Table](#).

Effects on Existing Data

If you already have a user variant and want to add new information rows, follow the steps described in [3085787](#)



Related Information

[Fill Level View: Periodic](#)

[Defining User Settings for the Periodic Fill Level View](#)

[Displaying the Fill Level](#)

5.3.3.2 SAP S/4HANA Manufacturing for Planning and Scheduling

SAP S/4HANA Manufacturing for planning and scheduling is a new capability of SAP Digital Supply Chain Management, edition for SAP S/4HANA. It can be deployed independently from other solution implementations.

With this new capability, you can use the advanced planning features of Production Planning and Detailed Scheduling (PP/DS) in a separate SAP S/4HANA system that is deployed side-by-side to one or more existing ERP systems.

Technical Details

Type	New
Application Component	SCM-APO-PPS (<i>Production Planning and Detailed Scheduling</i>) SCM-S4H-INT-MD (<i>Master Data</i>)
Available As Of	SAP S/4HANA 2021 (as PP/DS system) in combination with one the following systems as ERP systems: <ul style="list-style-type: none">• SAP Enhancement Package 7, Support Package 23 for SAP ERP 6.0 or higher• SAP Enhancement Package 8, Support Package 17 for SAP ERP 6.0 or higher• SAP S/4HANA 2020 FPS01 or higher

Additional Details

The SAP S/4HANA Manufacturing for planning and scheduling capability enables you to use selected PP/DS innovations without having to upgrade the system in which you use other ERP components.

The SAP S/4HANA system that you use for PP/DS is connected via Core Interface (CIF) to one or more SAP S/4HANA or SAP ERP systems that you use for other ERP components with harmonized master data. Master

data is integrated from the ERP systems to the PP/DS system, transactional data is exchanged bidirectionally. The integration is controlled via integration models that are created and activated in the ERP systems.

For current restrictions and a detailed integration guide, see SAP Note [2997719](#) .

5.3.3.3 Flexible Integration

Flexible Integration is aimed at providing flexibility for a customer to choose between different scope limitations for PP/DS with respect to Advanced Planning and Detailed Scheduling capabilities. It is designed to help in differentiating ownership of planning & scheduling capabilities between SAP S/4HANA PP, PP/DS and other external planning applications like IBP.

Flexible Integration takes a generic approach to provide flexibility of Advanced Planning by introducing 'Scope Limitation' and 'Scope Profile' fields in the Material Master > Advanced Planning tab.

Technical Details

Type	New
Functional Localization	
Scope Item	n/a
Application Component	SCM-APD-PPS
Valid as Of	SAP S/4HANA 2021

Additional Details

The following are the available options for Scope Limitation and they define the behaviour and features for the Advanced Planning applications -

- **'1 PP/DS Display Only'** - Create/Update/Delete (CUD) operations, Heuristics as well as Planning function execution are not allowed for both Inhouse and External Procurement Planning Objects from PP/DS applications for Product Locations with Scope Limitation '1 PP/DS Display Only'.
- **'2 PP/DS Restricted for Inhouse Only'** - Create/Update/Delete (CUD) operations and Planning function execution are allowed ONLY for Inhouse Planning Objects but not for External Procurement Planning Objects from PP/DS applications for Product Locations with Scope Limitation '2 PP/DS Restricted for Inhouse Only'. Though Heuristics execution is allowed, it is limited only as per the list of allowed heuristics maintained in the 'Scope Profile' for Inhouse planning objects like planned and production orders (but not for external procurement requisitions and orders).
- **'3 PP/DS Restricted'** - Create/Update/Delete (CUD) operations and Planning functions execution are allowed for both Inhouse and external procurement Planning Objects manually from PP/DS applications for Product Locations with Scope Limitation '3 PP/DS Restricted'. Heuristics execution is allowed only as

per the list of allowed heuristics maintained in the 'Scope Profile' for the Product Locations in the material master.

- *'4 PP/DS Entire Scope for Inhouse Only'* - Create/Update/Delete (CUD) operations, Heuristics as well as Planning function execution are allowed ONLY for Inhouse Planning Objects but not for External Procurement Planning Objects from PP/DS applications for Product Locations with Scope Limitation '4 PP/DS Entire Scope for Inhouse Only'.
- *' '(Blank)'* - In the material master, if the user selects the Advanced Planning flag but does not select a specific 'Scope Limitation', the blank scope is selected by default and all the PP/DS applications run without any restrictions for such Product Locations.

Related Information

[Flexible Integration](#)

5.3.3.4 Demand Driven Scheduling

With this feature, we now support the process of Demand Driven Scheduling in PP/DS.

For supporting this, a new scheduling heuristic (based on the algorithm - /SAPAPO/DD_SCHEDULE_HEURISTIC) is provided. This heuristic is provided to support and complement the concepts of Demand Driven (DD) planning in S/4 . This heuristic considers safety stock parameters for the products relevant for DD planning (referred to as Buffered Product and in general identified by MRP type) and calculates the priorities of operations of orders for buffered and non-buffered products.

Additionally, for better visualization of DDMRP related KPIs in PP/DS, such KPIs as Projected Stock, Projected Stock Status, Safety Stock, Max Stock and Reorder Point are available in PP/DS transactions such as Product view, Receipts view and Resource Planning table.

It is now possible to navigate from DDMRP Fiori applications such as Replenishment Planning, Replenishment Execution and Projected On-Hand Alerts to PP/DS apps such as Resource Planning Table, Product View and Receipts View.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-APO-PPS-DDP (<i>Production Planning Optimizer Application</i>)

Related Information

[Demand Driven Scheduling](#)

5.3.3.5 Production Planning Optimizer

Following new functionalities/enhancements have been added as a part of Production Planning Optimizer:

- Enhancement of Product Planning table for better visualization of PPO inputs and outputs:
 - Product View Periodic – New information rows such as Safety Stock Planned, Safety Days' of Supply, Projected Stock, Max Stock, Max Days' of Supply have been added.
 - Resource View Periodic – New information rows such as Extended Capacity (in percentage and value) and Minimum Capacity (in percentage and value) have been introduced.
 - New Period Category (SAP_PPO) has been introduced to display time buckets in periodic display as per PPO time bucket profile.
- Ability to execute DS optimizer as a back to back run after PPO execution to convert bucket based plan to a time continuous plan.
- Product Interchangeability is also supported in PPO.
- Support Maximum Days' of Supply as a constraint.
- Ability to maintain Safety Stock Method to determine whether time dependent or time independent Safety Stock or Safety Days' of Supply should be considered.
- Support maintenance of PPO related fields using material master (MM01,MM02) transactions. These fields are also supported by material master related BAPI and SOAP.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-APO-PPS-PPO (Production Planning Optimizer Application)
Valid as Of	SAP S/4HANA 2021

Related Information

[Production Planning Optimization](#)

5.3.3.6 Time-dependent Safety Stock

Following new functionalities/enhancements have been added as a part of time-dependent safety stock:

- **Time-dependent Safety stock methods:** With this feature, you can maintain time-dependent safety stock methods, and can use them for planning.
- **Auto-determination of safety stock method:** This feature enables you to auto-determine safety stock methods based on the values of safety stock, safety time and MRP procedure.
- **Period factor for TDS (time-dependent safety stock):** This feature enables the system to calculate the validity time of changes applied to time-dependent stock levels within a day.
- **Additional fields in RRP3 transaction:** New fields, such as [Safety Stock](#), [Projected Safety Stock](#) and [Max. Stock](#) have been added to the RRP3 transaction.
- **Planning File entry:** Any changes in the time-dependent stock level master data triggers a planning file entry, which is then used for production planning run.
- **Period Factor:** This factor is used by the system to calculate the availability date or time of a receipt element within a time period (bucket).
- **Use Period Factor:** You can use this indicator to define how the system determines the desired availability date or time of the receipts that should cover the requirements within a time period.
- **Target Stock Level Method:** You can choose target stock level methods as [Blank \(Target days' supply from product master\)](#) or [7 \(No target stock level\)](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-APO-PPS (Production Planning and Detailed Scheduling)
Valid as Of	SAP S/4HANA 2021

Additional Details

Effects on Existing Data

Effects on Data Transfer

Effects on System Administration

Effects on Customizing

Related Information

[Safety and Target Stock Level Planning in PP/DS](#)
[Period Factor for Time-Dependent Safety Stock](#)

5.4 Production Operations (Execution and Control)

5.4.1 Manage Production Orders

This feature supports you in your daily work as a production supervisor. You can now use new functions and features that provide you with more information about your production orders.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BJ5 (Make-to-Stock Production - Discrete Manufacturing)

Additional Details

The following enhancements have been made to the app:

- You can now display parallel and/or alternative sequences for your standard sequences in a graphical representation in the [Order Schedule](#) section on the detail screen.
- You can now use a new filter to display whether production resources/tools (PRTs) are assigned to any operation of an order. In the [Order Schedule](#) section on the detail screen, you can open a dialog to display the PRTs for the current operation or all PRTs for the order.
- You can now display suboperations in the [Order Schedule](#) section on the detail screen. The relevant column is displayed by default.
- You can now create a tile for your personalized view of the apps and define where the tile will be stored on the SAP Fiori launchpad. If you work with the home page, you can select one or more groups. If you work with spaces and pages, you can select one or more pages.
- You can now split a production order in the Manage Production Orders app as well as in transaction CO02. You can also split a production order and instruct the system to transfer the component costs to the child order.
For more information, see [Order Split with Component Transfer \(No By-Product\)](#) [page 477].
- Several new features have been developed for the app that are available for shop floor orders (PEO).
For more information, see [Manage Production Orders](#) [page 541].

Related Information

[Manage Production Orders](#)

[How to Work with Sequences](#)

5.4.2 Manage Production Operations

This feature supports you in your daily work as a production supervisor. You can now use new functions and features that provide you with more information about your production operations.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BJ5 (Make-to-Stock Production - Discrete Manufacturing)
Application Component	PP-FIO-SFC (<i>Fiori UI for Production Orders</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The following enhancements have been made to the app:

- You can now display parallel and/or alternative sequences for your standard sequences in a graphical representation in the [Order Schedule](#) section on the detail screen.
- You can now use a new filter to display whether production resources/tools (PRTs) are assigned to any operation of an order. In the [Order Schedule](#) section on the detail screen, you can open a dialog to display the PRTs for the current operation or all PRTs for the order.
- You can now display the batch number of the produced material.
- You can display suboperations as well in the worklist as in the [Order Schedule](#) section on the detail screen. A default filter for suboperations is available.
- You can now create a tile for your personalized view of the apps and define where the tile will be stored on the SAP Fiori launchpad. If you work with the home page, you can select one or more groups. If you work with spaces and pages, you can select one or more pages.

Related Information

[Manage Production Operations](#)
[How to Work with Sequences](#)

5.4.3 Production Order Object Page

With this feature, you can now display an overview of documented goods movements for a production order on the [Production Order](#) object page. From the documented goods movements section, you can navigate to apps related to the material, batch, material document, and purchase order if the respective roles are assigned to your user.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BJ5 (Make-to-Stock Production - Discrete Manufacturing)
Application Component	PP-SFC (Production Orders)
Valid as Of	SAP S/4HANA 2021

Related Information

[Production Order](#)

5.4.4 Confirm Repetitive Manufacturing

With this feature, you can now use the explosion date of the bill of materials (BOM) to determine which BOM version is valid when you create a confirmation for repetitive manufacturing. The feature is only available for the make-to-stock scenario. The field has been added to the [Confirm Repetitive Manufacturing](#) application (**MFBF**) as well as to the Business API `BAPI_REPMANCONF1_CREATE_MTS` and the OData API [Repetitive Manufacturing Confirmation](#).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BJH (Make-to-Stock Production - Repetitive Manufacturing)
Application Component	PP-REM (Repetitive Manufacturing)
Valid as Of	SAP S/4HANA 2021

5.4.5 Order Split with Component Transfer (No By-Product)

With this feature, you can perform an order split for a production order and repost the actual component costs at order split. At order split, the system performs a reversal goods issue posting for the components (using the

goods movement type 262) for the parent order and a standard goods issue posting (using the goods movement type 261) for the components for the child order. It is also now possible to move the entire parent order quantity from the parent to the child order. Depending on configuration settings, you can create the child order with a new header material, change the WB element during the order split, or change the order type of the child order. You can now also perform the order split from the Manage Production Orders app as well as transaction [CO02](#).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BJ5 (Make-to-Stock Production - Discrete Manufacturing)
Application Component	PP-SFC-EXE (Order Processing)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

To perform an order split with component transfer, you first have to complete the following tasks:

- Define in Customizing under [Production](#) > [Shop Floor Control](#) > [Operations](#) > [Define Settings for Order Split](#), whether the WBS element and/or order type for the child order can be changed during the order split. You can define this setting for a specific plant or for a combination of plant and parent order type.
- In Customizing under [Production](#) > [Shop Floor Control](#) > [System Modifications](#) > [Business Add-Ins](#), you have implemented the BAdI `BADI_GOODS_ISSUE_TRANSFER` Determination of Goods Issue Items for Transfer at Order Split. You implement this BAdI to reverse goods issue postings for the parent order and post them again for the child order during an order split.
- In Customizing under [Production](#) > [Shop Floor Control](#) > [System Modifications](#) > [Business Add-Ins](#), you are also recommended to implement the BAdI `BADI_SPLIT_QUANTITY_CHECK` Additional Check for Split Quantity. This BAdI ensures that all goods movements have been successfully completed for the operations before the split point.

Related Information

[Manage Production Orders \[page 474\]](#)

5.4.6 SOAP API: *Manufacturing Order – Send (Version 2)*

With the SOAP API *Manufacturing Order – Send (Version 2)*

(`ManufacturingOrderExecuteRequest_Out_V2`), you can send manufacturing orders from an SAP S/4HANA system to one or more external manufacturing execution systems (MES). The API has been enhanced.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-ES (<i>Enterprise Services</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The following enhancements have been made to the API:

- You can now add values for the total work quantity to be confirmed for the work center.
- You can now include numerous new fields for the production resources/tools (PRTs) node (`ManufacturingOrderProdnRsceTool`).
- For the category *Document* of production resources/tools (PRTs), you can now include reference links to the original file attachments in the SOAP message.
- The categories **M** – *Material* and **S** – *Miscellaneous (PRT with a PRT Master Record)* have been added as categories for PRTs.
- The `ManufacturingOrderMESReference` node has been inserted as subnode to the `ManufacturingOrderActivityNetworkElement` node to enable you to send information on operations that belong to routings defined in an external manufacturing execution system.
- The `ResvnItmRequiredQtyInEntryUnit` field has been added to the `ManufacturingOrderComponent` node. The required quantity in base unit of measure has already been provided. You can now use the required quantity in entry unit of measure to expose quantities in alternative units of measure.
- The `Warehouse` field has been added to the `ManufacturingOrderItem` and the `ManufacturingOrderComponent` nodes. Using this field, you can now include the warehouse number for order items and order components in the SOAP message.
- The new Business Add-In (BAI) *BAI: Exclusion of Operations from Distribution to Specific Systems* (`BD_COBADICFL_ORDER_FLT_OP_INIT`) enables you to filter operations of production or process orders in a way that they can be excluded from the distribution to specific manufacturing execution systems.

- A new method in the Business Add-In (BAI) *BAI: Control Redistribution of Production Orders After Changes* (CO_MES_INT_REDISTRIBUTION) enables you to prevent the distribution of distribution-relevant production orders depending on the order data or order status.

This API is available on the SAP API Business Hub (<https://api.sap.com>).

Related Information

[Manufacturing Order – Send \(Version 2\)](#)

5.4.7 OData API: *Production Order (Version 2)*

With the OData API *Production Order (Version 2)* (API_PRODUCTION_ORDER_2_SRV), you can create, read, and update production orders as well as set a wide range of statuses. The OData API has been enhanced.


Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BJ5 (Make-to-Stock Production - Discrete Manufacturing)
Application Component	PP-ES (<i>Enterprise Services</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The following enhancements have been made to the API:

- You can now read information on alternative items.
- This API has been made extensible for reading operation and component data.
- The new entity *Production Order Component Extended* (A_ProductionOrderComponent_3) including the key field ReservationRecordType has been added to enable you to work with discontinuation control for materials.
- The *Production Resources/Tools* entity (A_ProductionRsceTools_2) has been enhanced with numerous properties.
- The ProductionResourceTool property has been added to the A_ProductionRsceTools_2 entity.
- For unit of measure properties, the properties for the ISO code (*UnitISOCode) and the internal SAP code (*UnitSAPCode) for the unit of measurement have been added.

This API is available on the SAP API Business Hub (<https://api.sap.com> )

Related Information

[Production Order \(Version 2\)](#)

5.4.8 OData API: *Production Order Confirmation*

With the OData API *Production Order Confirmation* (`API_PROD_ORDER_CONFIRMATION_2_SRV`), you can process confirmations for production orders. The API has been enhanced.


Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BJ5 (Make-to-Stock Production - Discrete Manufacturing)
Application Component	PP-ES (<i>Enterprise Services</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The following enhancements have been made to the API:

- Before you create a confirmation, you can now fetch proposal data for quantities, work activities, dates and times, personnel data, and goods movements using the new functions `GetConfProposal` and `GetGdsMvtProposal`.
- The entity *Batch Characteristics for Material Movements* (`ProdOrderConfBatchCharc`) has been added that you can use to read batch characteristics for goods movements and to create material documents with batch characteristics for goods receipts.
- The API has been made extensible. Key users can enable the usage of custom fields for reading and writing.

This API is available on the SAP API Business Hub (<https://api.sap.com> )

Related Information

[Production Order Confirmation](#)

5.4.9 OData API: *Process Order (Version 2)*

With the OData API *Process Order (Version 2)* (API_PROCESS_ORDER_2_SRV), you can create, read, and update process orders as well as set a wide range of statuses. The OData API has been enhanced.


Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BJ8 (Make-to-Stock - Process Manufacturing Based on Process Order)
Application Component	PP-ES (<i>Enterprise Services</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The following enhancements have been made to the API:

- You can now read information on alternative items.
- This API has been made extensible for reading operation and component data.
- The `ProductionResourceTool` property has been added to the entity *Process Order Production Resources/Tools* (`A_ProcessOrderProdRscTools_2`).
- For unit of measure properties, the properties for the ISO code (`*UnitISOCode`) and the internal SAP code (`*UnitSAPCode`) for the unit of measurement have been added.

This API is available on the SAP API Business Hub (<https://api.sap.com> )

Related Information

[Process Order \(Version 2\)](#)

5.4.10 OData API: *Process Order Confirmation*

With the OData API *Process Order Confirmation* (API_PROC_ORDER_CONFIRMATION_2_SRV), you can process confirmations for process orders. The API has been enhanced.


Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BJ8 (Make-to-Stock - Process Manufacturing Based on Process Order)
Application Component	PP-ES (<i>Enterprise Services</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The following enhancements have been made to the API:

- Before you create a confirmation, you can now fetch proposal data for quantities, work activities, dates and times, personnel data, and goods movements using the new functions `GetConfProposal` and `GetGdsMvtProposal`.
- The entity *Batch Characteristics for Material Movements* (`ProdnOrderConfBatchCharc`) has been added that you can use to read batch characteristics for goods movements and to create material documents with batch characteristics for goods receipts.
- The API has been made extensible. Key users can enable the usage of custom fields for reading and writing.

This API is available on the SAP API Business Hub (<https://api.sap.com> .

Related Information

[Process Order Confirmation](#)

5.4.11 OData API: *Repetitive Manufacturing Confirmation*


With the new OData version 4 API *Repetitive Manufacturing Confirmation* (REPETITIVEMFGCONFIRMATION), you can process repetitive manufacturing confirmations for the make-to-stock and the make-to-order

scenario. You can create, read, and cancel confirmations. When creating confirmations, you select the scenario and one of the processing types relevant for the scenario. For both scenarios, you can create confirmations for assemblies. For the make-to-stock scenario, you can in addition create confirmations for reporting points, activities, and components. Your cancelations can be document-specific or document-neutral.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BJH (Make-to-Stock Production - Repetitive Manufacturing)
Application Component	PP-ES (Enterprise Services)
Available As Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com> )

Related Information

[Repetitive Manufacturing Confirmation](#)

5.4.12 BAdI for Excluding Operations from Distribution to Specific Systems

With the Business Add-In (BAdI) [BAdI: Excluding Operations from Distribution to Specific Systems](#) (BD_COBADICFL_ORDER_FLT_OP_INIT), you can now filter operations of production or process orders in a way that they can be excluded from the distribution to specific manufacturing execution systems when using the SOAP API [Manufacturing Order – Send \(Version 2\)](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BJ5 (Make-to-Stock Production - Discrete Manufacturing)
Application Component	PP-SFC (Production Orders)
Valid as Of	SAP S/4HANA 2021

Additional Details

You find the Business Add-In in the SAP Customizing Implementation Guide under ► [Production](#) ► [Integration with a Manufacturing Execution System](#) ► [Integrate Production Order with a Manufacturing Execution System](#) ► [BAdI: Excluding Operations from Distribution to Specific Systems](#) ►.

Related Information

[Manufacturing Order – Send \(Version 2\)](#)

5.4.13 BAdI for Controlling Redistribution of Production Orders After Changes

This feature enables you to prevent the distribution of distribution-relevant production orders depending on the order data or order status if you are using SOAP messages for distribution. A new method (CHECK_DISTRIBUTION_REL_SOAP) has been added to the Business Add-In (BAdI) [BAdI: Control Redistribution of Production Orders After Changes](#) (CO_MES_INT_REDISTRIBUTION).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	PP-MES (Integration with Manufacturing Execution Systems)
Valid as Of	SAP S/4HANA 2021

Additional Details

You find the Business Add-In in the SAP Customizing Implementation Guide under ► [Production](#) ► [Integration with a Manufacturing Execution System](#) ► [Integrate Production Order with a Manufacturing Execution System](#) ► [BAdI: Control Redistribution of Production Orders After Changes](#) ►.

Related Information

[Manufacturing Order – Send \(Version 2\)](#)

5.4.14 Hide Pricing Information for Production and Process Orders

With this new feature, you can now hide the display of pricing information for users according to their roles.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BJ5 (Make-to-Stock Production - Discrete Manufacturing)
Application Component	PP-SFC (Production Orders), PP-PI-POR (Process Order)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can now grant or restrict the authorization to display price information for your users.

The following apps are affected:

- CO01 - Create Production Order
- COR1 - Create Process Order
- CO02 - Change Production Order
- COR2 - Change Process Order
- CO03 - Display Production Order
- COR3 - Display Process Order
- COOIS - Monitor Production / Planned Orders
- COOISPI - Monitor Process / Planned Orders
- COHV - Mass Processing Production Orders
- COHVPI - Mass Processing Process Orders
- F2261 - Production Order Object Page

Effects on System Administration

To use this restriction, you need to activate the corresponding scenario with the switchable authorization check framework (SACF). You can find the scenario PP_MFG_HIDE_PRICE_INFO in the [Workbench for Switchable Authorization Check Scenarios](#) (transaction [SACF](#)).

5.4.15 Tightened Authorization Checks for Documents in Production Order Release

Authorizations for document types and objects are now strictly checked when adding documents to the production order. To ensure all relevant documents for manufacturing are added to a released order, the release is rejected when documents are automatically added during a release for which the user has no authorization.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BJ5 (Make-to-Stock Production - Discrete Manufacturing)
Application Component	PP-SFC (Production Orders)
Valid as Of	SAP S/4HANA 2021

Additional Details

The new authorization check now verifies the connection with C_DRAD_OBJ. These are the relevant fields:

- The field *DOKOB* needs to be set to *PORDER*
- The field *DOKAR* needs to be set to a document type the user has access to.
- The field *STATUS* needs to be set to a document status the user has access to.

For the release of production order with automatic attachment of documents, find [Define Production Scheduling Profile for Discrete Manufacturing](#) in Customizing under ► [Production](#) ► [Shop Floor Control](#) ► [Master Data](#) ►.

5.4.16 Manage Process Orders

This app allows users to select multiple orders and release or technically complete them. You can also choose to perform these actions immediately or schedule it for later. You can now calculate operations in progress based on the activities recorded during time ticket and time event confirmations, view the interruptions at the phase level for time event confirmations which includes details such as date and timestamp of interruption and reason for interruption.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BJ8(Make-to-Stock - Process Manufacturing Based on Process Order)
Application Component	PP-FIO-PI (Manage Process Orders)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following features were added to the [Manage Process Orders](#) app:

- New facet [Other Manufactured Products](#) shows details of Co-products & By-products and MicroChart shows a comparison of Planned and Delivered quantities
- [Order Schedule](#) facet has a popover representing details on Secondary Resources
- [Time Delay](#) issue popover enhanced with Delay Duration details
- [Order Information](#) facet displaying a pie chart depicting Delivered, Open and Confirmed Scrap Quantities

- [Quantity in Base Unit](#) in the list page
- Add-on Order Header Information
- Implemented Common AOR for both Manage Process Orders and Manage Process Order Operations app.
- Added additional filters to distinguish between all and active confirmations.

You can use the new Business Add-Ins (BAdIs) PP_PL_MNGPROCORDOP_CALCTPRGRS to customize the logic of calculating the progress of operations for Manage Process Orders app expressed as a percentage. Refer to the BAdI documentation embedded in the Manage Process Orders app for more details.

Related Information

[Manage Process Orders](#)

5.4.17 Manage Process Order Operations

With this app, you can monitor the progress of process orders at the detailed operations level. You can have an overview of the phases, components, relationships between phases, all the other operations linked to the process order.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BJ8(Make-to-Stock - Process Manufacturing Based on Process Order)
Application Component	PP-FIO-PI (Manage Process Order Operations)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following features are added to the [Manage Process Orders Operations](#) app:

- View the details of all the operations involved in a process order.
- Determine whether the operation has been released, planned, or in progress.
- View the progress of operation expressed as a percentage and the number of confirmed phases.
- Filter operations using filters such as processing status, scheduled start date, component availability status, and quality status.

- Determine whether the order has issues owing to time delay, missing components, or quality.
- View details about the product, resource, status of operation, control key and scheduled and actual start and end time in the details page of the app.
- The various facets of this app are as follows:
 - Facets
 - Long Text
 - Phases
 - Components
 - Secondary Resources
 - Relationship
 - All Operations
 - Confirmations
 - Goods Movement
 - Quality Management

Related Information

[Manage Process Order Operations](#)

5.4.18 Kanban

5.4.18.1 Enhancements for the Kanban Board

The following enhancements are now available in the [Kanban Board](#) app:

- Create new event-driven kanban containers
- Define a time interval for automatically refreshing the list of kanban containers with the latest status and information
- Set back the status of containers that are on "Error" to their previous valid status

Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	1E3 (Material Replenishment with Kanban - External Procurement), 4B3 (Material Replenishment with Kanban - In-House Production), 4B4 (Material Replenishment with Kanban - Stock Transfer)
Application Component	PP-KAB (Kanban)
Available As Of	SAP S/4HANA 2021

Additional Details

Three enhancements are available in the [Kanban Board](#):

- Create Event-Driven Kanban Containers**
 You can manually create new containers for event-driven control cycles by using the [+ Create Containers](#) button.
- Automatic Refresh**
 You can define an interval setting in minutes, for the system to automatically refresh the list of kanban containers with the latest status and information. In addition, a button allows you to refresh the list directly.
- Reverse Status Change**
 When you change the status of a kanban container, the system carries out validity checks which can result in errors and the container status is set to "Error".
 The [Set back to ...](#) button allows you to set a container on "Error" back to its previous valid status. The button automatically shows the previous valid status.
 For example, you change a kanban container status from "Empty" to "Full". However, the system detects that there is no material available, and sets the container status to "Error". Later, when stock for the material has been booked, you use the [Set back to EMPTY](#) button to change back to the previous container status. Lastly, you repeat the first step and you change the container status from "Empty" to "Full" successfully.

Related Information

[Kanban Board](#)
[Create Event-Driven Kanban Container](#)

5.4.18.2 Withdraw Quantity from Kanban Container

The [Set Kanban Container Status](#) Fiori app has been enhanced to allow quantities to be withdrawn from kanban containers.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1E3 (Material Replenishment with Kanban - External Procurement), 4B3 (Material Replenishment with Kanban - In-House Production), 4B4 (Material Replenishment with Kanban - Stock Transfer)
Application Component	PP-KAB (<i>Kanban</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

This feature enables you to withdraw a partial or the complete quantity of a material from a kanban container. You can choose one of the two processing options [Change Status](#) or [Withdraw Quantity](#) and select these options individually for each entered kanban container.

Related Information

[Set Kanban Container Status](#)

5.4.18.3 Kanban Control Cycles Analysis

This new app is a graphical analysis tool which provides an aggregated overview of the status of kanban containers in selected control cycles. By selecting measures and dimensions you can create evaluations to visualize the overall replenishment situation and identify errors or critical situations in the kanban process.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	1E3 (Material Replenishment with Kanban - External Procurement), 4B3 (Material Replenishment with Kanban - In-House Production), 4B4 (Material Replenishment with Kanban - Stock Transfer)
Application Component	PP-KAB (<i>Kanban</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

- Analyse kanban control cycles to check container statuses within the plant and production supply area, or based on additional filter criteria.
- Use different chart types and personalization options for quick insights into the overall kanban replenishment situation.
- Take prompt actions based on your analysis results, for example, check the container information on the SAP Fiori kanban board.
- With the measure *Days Since Last Container Change* you can evaluate when the last status change of a container in this group happened. With this information you can identify Kanban control cycles that are inactive or no longer needed.

Related Information

[Kanban Control Cycles Analysis](#)

5.4.18.4 Monitor Kanban Containers

This new app helps you to monitor and evaluate your Kanban containers allowing you to act quickly to solve issues. You can personalize the displayed list of Kanban containers according to your use cases. You can navigate to a Kanban container to see more details.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	1E3 (Material Replenishment with Kanban - External Procurement), 4B3 (Material Replenishment with Kanban - In-House Production), 4B4 (Material Replenishment with Kanban - Stock Transfer)
Application Component	PP-KAB (Kanban)
Available As Of	SAP S/4HANA 2021

Additional Details

With this app, you can see a list of all your Kanban containers. You can configure and save the displayed list of Kanban containers according to your use cases. For example, you want to display empty Kanban containers with delayed replenishment elements, or you want to see the Kanban containers in error state together with their error messages. Use the [Export to Spreadsheet](#) option to download your list, or the [Save as Tile](#) option to create a tile on the launchpad allowing you to quickly access your personalized worklist.

Related Information

[Monitor Kanban Containers](#)

5.4.18.5 Kanban Monitoring and Correction Catalogs

In the current release, the existing business catalog SAP_BCR_SCM_KNBN_MNTRG_MC (old name: [Production Control - Kanban Monitoring](#), new name: [Production Control - Kanban Monitoring \(Deprecated\)](#)) was deprecated and replaced by two new business catalogs:

- SAP_BCR_SCM_KNBN_MNTRG_PC ([Production Control - Kanban Monitoring](#))
- SAP_BCR_SCM_KNBN_CORRECTION_PC ([Production Control - Kanban Correction](#))

Technical Details

Type	Change
Functional Localization	Not applicable

Scope Item	1E3 (Material Replenishment with Kanban - External Procurement), 4B3 (Material Replenishment with Kanban - In-House Production), 4B4 (Material Replenishment with Kanban - Stock Transfer)
Application Component	PP-KAB (Kanban)
Available As Of	SAP S/4HANA 2021

Additional Details

In the current release, the existing business catalog SAP_BCR_SCM_KNBN_MNTRG_MC (old name: [Production Control - Kanban Monitoring](#), new name: [Production Control - Kanban Monitoring \(Deprecated\)](#)) was deprecated and replaced by two new business catalogs:

- SAP_BCR_SCM_KNBN_MNTRG_PC ([Production Control - Kanban Monitoring](#))
- SAP_BCR_SCM_KNBN_CORRECTION_PC ([Production Control - Kanban Correction](#))

With the split into two business catalogs, the monitoring of Kanban processes and the correction of Kanban containers are now separated and can be assigned individually. If a group of users should not be allowed to make Kanban container corrections, then the second business catalog can be omitted when you compose your own business roles.

5.4.19 Just-In-Time (JIT) Supply to Production

With this release, the following new features are available:

- **Migrate control cycle and communication group data**
You can migrate control cycles data and communication group data using the migration tool. The migrated data displays in the [Manage JIT Control Cycles](#) and [Manage Communication Groups](#) applications, respectively.
- **Blocked Status of JIT Calls**
A warehouse clerk responsible for the extended warehouse managed (EWM) production supply area (PSA) can block a JIT call during the warehouse task processing. In such a scenario, it is not possible to edit the same JIT call in the [Manage JIT Calls](#) application. The internal processing status change to *Picking Started*. On using the [Edit](#) option, the warning message *Warehouse request for JIT calls (*) is blocked for demand date/time* displays. The lifecycle status of the JIT call is retained as active.
- **Picking reversal**
When a warehouse clerk responsible for the extended warehouse managed (EWM) production supply area updates or reverts the JIT call for which the warehouse task processing is done, then the internal processing status of the JIT call is updated to *Picking Started*. In addition, the picking quantity is updated with the respective number in the details page of the JIT call within the [Manage JIT Calls](#) and [Manage JIS Calls and Reorder](#) applications.
- **Deviation Quantity**
Additional field referencing deviation quantity. In the case of internal replenishment of goods, the deviation quantity is calculated as the difference between the picked quantity of goods and requested quantity. In

external replenishment of goods, the deviation quantity is the difference between the *Advanced Shipping Notification* (ASN) quantity or delivered quantity and the requested quantity. The number of picked quantity and requested quantity is visible within the detail page of JIT calls in the [Manage JIT Calls](#) application.

- **Restrict edit of JIT Calls**

In case of external replenishment, not possible to edit or modify JIT calls once a message is successfully sent to suppliers or partners.

- **Calculate physical stock at production supply area**

You can calculate the physical stock of a component before the production backflush. Rather determine the stock at the storage during the transient state. To achieve this, you need to sequence the planned orders or production orders based on the confirmation date and time at the factory layout and map the current position of the planned orders or production orders in the sequence with the work centres. In this scenario, the planned orders or production orders that crosses the particular work centre is considered as consumed physically for the particular work centre.

For repetitive manufacturing and Production Planning and Detailed Scheduling (PPDS) manufacturing scenarios, it is planned and production orders, whereas in discrete manufacturing, it is production orders.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LE-JIT-S2P
Available As Of	SAP S/4HANA 2021 FPSO

Additional Details

The following new applications have been added:

- **Monitor JIS Calls:** With this application, a *Production Supervisor - Lean Manufacturing* can get a view of number of JIS calls available in the responsible area. Also, possible to identify the active, completed, or cancelled JIS calls against different filter criteria.
- **JIT Supply to Production Overview:** With this analytical application, a *Production Supervisor - Lean Manufacturing* can get an overview of all JIT calls in the responsible area against different filter criteria.

Effects on Customizing

The relevant customizing activities are:

- [Define Priority Types for Just-In-Time Calls](#) under [Logistics Execution](#) > [Just-In-Time Processing \(Next Generation\)](#) > [JIT Supply to Production](#) . You can maintain the priority types of JIT calls here.
- [Define Maximum Number of JIT Calls](#) under [Logistics Execution](#) > [Just-In-Time Processing \(Next Generation\)](#) > [JIT Supply to Production](#) . The number of JIT calls are defined using this activity.
- [Define JIT Actions](#) under [Logistics Execution](#) > [Just-In-Time Processing \(Next Generation\)](#) > [Action Control](#) . In this IMG activity, you check the standard actions. Then you define further actions.
- [Data Aging](#) under [Logistics Execution](#) > [Just-In-Time Processing \(Next Generation\)](#) . This activity enables you to move large volumes of data within a database so as to gain more working memory. The data is moved from the current area (hot area) to the historical area (cold area).

For better usability, shortcuts are provided for the following customizing activities:

- [Define Delivery Priorities](#) under [Logistics Execution](#) > [Just-In-Time Processing \(Next Generation\)](#) > [JIT Supply to Production](#) . Define how you would like to prioritize your deliveries.
- [Define Customer Calendars](#) under [Logistics Execution](#) > [Just-In-Time Processing \(Next Generation\)](#) > [JIT Supply to Production](#) . Using this IMG activity, you define customer-specific calendars in this menu option. By this calendar, the SAP System determines the customer's workdays and public holidays.
- [Define Person in Charge of Supply Area](#) under [Logistics Execution](#) > [Just-In-Time Processing \(Next Generation\)](#) > [JIT Supply to Production](#) . In this IMG activity you can define a person in charge of the supply area.
- [Define Shift Sequences](#) under [Logistics Execution](#) > [Just-In-Time Processing \(Next Generation\)](#) > [JIT Supply to Production](#) . Define shifts, break schedules, and shift sequences for specific areas.
- [Define BOM Usages](#) under [Logistics Execution](#) > [Just-In-Time Processing \(Next Generation\)](#) > [JIT Supply to Production](#) . Define configuration of the item status while defining a bill of material (BOM) usage. The item status controls how the BOM item is processed in the related application areas.

5.4.20 Just-In-Time Supply to Customer

With this release, the following new features have been included:

- **Process Customer JIT Calls – By Scan/Data Entry**
As a production operator, you can confirm the production of the component group of a JIT call by scanning or data entry.
- **Schedule Custom Action Execution for Customer JIT Calls**
This app enables you to schedule the execution of custom actions using a background job.

Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	2EM (Just-In-Time Supply to Customer)
Application Component	LE-JIT-S2C
Available As Of	SAP S/4HANA 2021

Related Links

For more information, refer to the product documentation at <https://help.sap.com> under ► [SAP S/4HANA](#) ► [Manufacturing](#) ► [Production Operations](#) ► [Just-In-Time \(JIT\) Supply to Customer](#) ►.

5.5 Quality Management

5.5.1 Manage FMEAs

This app enables you to execute a Failure Mode and Effects Analysis (FMEA) using a graphical framework.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	QM-PT-FA (Failure Mode and Effects Analysis)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

See [Technical Compatibility of FMEA Cockpit and Manage FMEAs App](#)

Related Information

[Manage FMEAs](#)

5.5.2 Action Priority in FMEA

You can now use the action priority as the valuation method for a failure mode and effects analysis (FMEA).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	QM-PT-FA (Failure Mode and Effects Analysis)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

To use the action priority method, you need to activate a BC Set containing the relevant Customizing settings. For more information, see Customizing for Quality Management under ► [Quality Planning](#) ► [Failure Mode and Effects Analysis \(FMEA\)](#) ► [FMEA Definition](#) ► [Activate BC Sets for Action Priority in FMEA](#) ►.

Related Information

[Calculation of Action Priority](#)

5.5.3 Distinction of Valuation Procedures for FMEA and Audit Management

It is now possible to distinguish the valuation procedures that can be used in Failure Mode and Effects Analysis (FMEA) and in Audit Management. Up to now, all filter values defined in the implementations for the Business

Add-In (BAdI) `PIM_AUDIT_CALCULATE` were available in both applications. Now you can enter the relevant procedures for FMEA and Audit Management in different Customizing activities.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	<code>QM-PT-FA</code> (<i>Failure Mode and Effects Analysis</i>), <code>CA-AUD</code> (<i>Audit Management</i>)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

For existing BAdI implementations, the system behaves as before. That is, the defined filter values are visible in both components as procedures if you do not enter them in one of the Customizing activities. Only for new BAdI implementations you need to define the procedures separately in Customizing.

Effects on Customizing

The following new Customizing activities are available:

- FMEA: [▶ Quality Planning](#) [▶ Failure Mode and Effects Analysis \(FMEA\)](#) [▶ FMEA Definition](#) [▶ Define Procedures to Calculate Result and Rating](#) [▶](#)
- Audit Management: [▶ Quality Management](#) [▶ Audit Management](#) [▶ Audit Definition](#) [▶ Procedures to Calculate Result and Degree of Fulfillment](#) [▶](#)

5.5.4 Manage Inspection Plans

With this app, you can now:

- Copy dependent characteristic specifications along with the header, material assignments, operations, and characteristics from one inspection plan to create a new one
- Assign dependent characteristic specifications for the characteristics assigned in inspection plans

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1E1 (Quality Management in Discrete Manufacturing), 1FM (Quality Management in Procurement), 1MP (Quality Management in Sales), 1MR (Quality Management in Stock Handling)
Application Component	QM-PT-IP (<i>Inspection Planning</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Manage Inspection Plans](#)

5.5.5 Manage Inspection Lots

With this app, you can now record inspection results and make usage decisions for inspection lots from the worklist page.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1MP (Quality Management in Sales), 1MR (Quality Management in Stock Handling), 1E1 (Quality Management in Discrete Manufacturing), 1FM (Quality Management in Procurement)
Application Component	QM-IM (<i>Quality Inspection</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Manage Inspection Lots](#)

5.5.6 New App: Record Inspection Results

With the new [Record Inspection Results](#) app, you can record and process results for characteristics for one or more inspection lots effectively. You can also use this app to create defects manually for different categories, such as inspection lots, inspection operations, and characteristics.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1E1 (Quality Management in Discrete Manufacturing), 1FM (Quality Management in Procurement), 1MP (Quality Management in Sales), 1MR (Quality Management in Stock Handling)
Application Component	QM-IM-RR (Results Recording)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

This app is the successor of the [Record Inspection Results \(Deprecated\)](#) app. The deprecated app (as of SAP S/4HANA 2021) will be deleted from the SAP Fiori launchpad in SAP S/4HANA 2022 release. You can continue using the deprecated app until it is deleted. However, it may no longer be available by default on the SAP Fiori launchpad. In this case, you can find it in the app finder.

Related Information

[Record Inspection Results \(New\)](#)

5.5.7 Renamed App: Display Inspection Lots – Outstanding Quantities

For consistency reasons, the [Display Inspection Lots – Outstanding Quantities](#) app (transaction QVM2) has been renamed to [Display Inspection Lots – Open Quantities](#) (in English only).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	QM-IM (Quality Inspection)
Available As Of	SAP S/4HANA 2021

5.5.8 Customizing Structure for Quality Planning

The Customizing structure for quality planning in the [SAP Reference IMG](#) has changed. To transfer these changes your the project Customizing, you need to newly generate the project Customizing.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	QM-PT (Quality Planning)
Available As Of	SAP S/4HANA 2021

Additional Details



Some Customizing activities in the implementation guide (IMG) for quality planning consisted of several views to be maintained in one activity. Since these composite activities can cause technical problems, they have been

split and included separately in the IMG structure. In addition, some smaller changes were made (for example, renaming) and new IMG activities were created for the new developments for Failure Mode and Effects Analysis (FMEA).

Effects on Existing Data

The views of the activities that were split up are identical to those of the composite activities. Therefore the data that you previously maintained in the composite activities is also available in the new Customizing activities.

Effects on Customizing

In detail, the following changes were made to the Customizing structure under  [Quality Management](#) :

[Basic Data](#)

- Under [Inspection Characteristic](#), [Inspection Method](#), the Customizing activity [Define Number Range](#) was split into the following activities:
 - [Define Number Range for Master Inspection Characteristics](#)
 - [Define Number Range for Inspection Methods](#)
- Under [Sampling](#), [SPC](#), the Customizing activity [Define Valuation Mode](#) was split into the following activities (under [Define Valuation](#)):
 - [Define Valuation Modes](#)
 - [Define Valuation Rules](#)

[Inspection Planning](#)

- Under [General](#), the Customizing activity [Define Task List Usages](#) was renamed to [Define Task List Usage for Inspection Plans](#).

[Failure Mode and Effects Analysis \(FMEA\)](#)

The following changes were made to reflect the latest FMEA developments:

- Under [FMEA Definition](#), the following new activities were added:
 - [Activate BC Sets for Action Priority in FMEA](#)
 - [Define Procedures to Calculate Result and Rating](#)In addition, the Customizing activity [Rating](#) was renamed to [Define Rating Profiles](#).
- Under [Risk Analysis](#), the following new activity was added:
[Assign Risk Analysis Profile to Procedure](#)

5.5.9 Customizing Structure for Quality Inspections

The Customizing structure for quality inspections in the [SAP Reference IMG](#) has changed. To transfer these changes to your project Customizing, you need to newly generate the project Customizing.




Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	QM-IM (<i>Quality Inspection</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

One Customizing activity in the implementation guide (IMG) for quality inspections consisted of several views to be maintained in one activity. Since these composite activities can cause technical problems, they have been split and included separately in the IMG structure. Two Customizing activities were joined for technical reasons. In addition, some smaller changes were made (for example, renaming).

Effects on Customizing

In detail, the following changes were made to the Customizing structure under  *Quality Management*  *Quality Inspection* :

Inspection Lot Creation

- Under *Inspection at Shipping*, the existing Customizing activity was split into the following activities:
 - *Assign Inspection Lot Origin to Delivery Type*
 - *Assign Inspection Type to Delivery Category*

In addition, the existing Customizing activity is still included and is now called *Inspection at Shipping (Composite Activity)*

- The activity *Maintain Number Ranges* was renamed to *Define Number Ranges for Inspection Lots*.

Results Recording

- The following Customizing activities were combined into one activity called *Make Settings for Results Copy and Operation Completion*:
 - *Make Settings for Operation Completion*
 - *Make Settings for Copy of Inspection Results*

The data to be maintained is the same as before.

Subsystems

- The activity *Process Quality Inspections Using QM-IDI Interface* was renamed to *Define Subsystems for External Inspection Processing* because the settings are also relevant for other interfaces.

5.5.10 Customizing Structure for Quality Notifications

The Customizing structure for quality notifications in the [SAP Reference IMG](#) has changed. To transfer these changes to your project Customizing, you need to newly generate the project Customizing.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	QM-QN (Quality Notifications)
Available As Of	SAP S/4HANA 2021

Additional Details

Some Customizing activities in the implementation guide (IMG) for quality notifications consisted of several views to be maintained in one activity. Since these composite activities can cause technical problems, they have been split and included separately in the IMG structure. In addition, some smaller changes were made (for example, renaming).

Effects on Existing Data

The views of the activities that were split up are identical to those of the composite activities. Therefore the data that you previously maintained in the composite activities is also available in the new Customizing activities.

Effects on Customizing

In detail, the following changes were made to the Customizing structure under [► Quality Management ► Quality Notifications ► Notification Creation ►](#):

[Notification Type](#)

- The Customizing activity [Define Number Ranges](#) was renamed to [Define Number Ranges for Notification Type](#).

- The Customizing activity *Define Screen Templates* was renamed to *Define Screen Templates (Composite Activity)*.
For some of the activities within this composite activity, separate activities were created additionally for ease of maintenance:
 - *Define Screen Areas and Tabs* (view cluster VC_TQSCR)
 - *Define Initial Screens* (view V_TQ80_E)
- The Customizing activity *Allocate Start Values for Transactions* was renamed to *Set Start Values for Transactions*.

Partners

- The Customizing activity *Define Partner Determination Procedures* was split into the following activities:
 - *Define Partner Functions and Determination Procedures*
 - *Assign Partner Determination Procedure to Notification Type*
 - *Assign Partner Functions to Notification Type*

5.5.11 Customizing Structure for QM Environment

In the *SAP Reference IMG*, the Customizing structure for quality management-related environment settings (for example, archiving, digital signatures) has changed. To transfer these changes to your project Customizing, you need to newly generate the project Customizing.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	QM (<i>Quality Management</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

Some Customizing activities in the implementation guide (IMG) for QM-related environment settings consisted of several views to be maintained in one activity. Since these composite activities can cause technical problems, they have been split and included separately in the IMG structure. In addition, some smaller changes were made (for example, renaming).

Effects on Existing Data

The views of the activities that were split up are identical to those of the composite activities. Therefore the data that you previously maintained in the composite activities is also available in the new Customizing activities.

Effects on Customizing

In detail, the following changes were made to the Customizing structure under **Quality Management** **Environment** **Central Functions**:

- Under **Authorization Management**, the Customizing activity **Define Authorization Groups and Digital Signature** was split into the following activities:
 - **Define Authorization Groups for QM Master Data**
 - **Define Material Authorization Groups**
- A new node called **Digital Signature** was included under **Central Functions** to group the settings for digital signatures at one place.
 - Under this new node, a new activity for defining signature methods is included: **Specify Signature Method for Approval Using Simple Signature**. This activity replaces the old activity that was previously included in the composite activity **Define Authorization Groups and Digital Signature**.
 - In addition, the settings for signature strategies were moved to the new node.

5.5.12 CDS Views for Defect Codes and Code Groups

With this feature, several CDS views for defect codes are released in the area of quality improvement.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	QM-QN-DEF (Defects Recording)
Available As Of	SAP S/4HANA 2021

Additional Details

The following CDS views are released:

- Defect Code Group (I_DefectCodeGroup)
- Defect Code Group Text (I_DefectCodeGroupText)
- Defect Code Group (Value Help) (I_DefectCodeGroupStdVH)
- Defect Code (I_DefectCode)
- Defect Code Text (I_DefectCodeText)
- Defect Code (Value Help) (I_DefectCodeStdVH)

Related Information

[Defect Code Group](#)

[Defect Code Group \(Value Help\)](#)

[Defect Code](#)

[Defect Code \(Value Help\)](#)

5.5.13 Deprecation of ProfitabilitySegment in CDS Views for Quality Management

The field `ProfitabilitySegment` was deprecated with SAP S/4HANA 2021 and will be replaced with the field `ProfitabilitySegment_2`. We recommend that you switch to the field `ProfitabilitySegment_2` as soon as possible.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	QM-IM (<i>Quality Inspection</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

- The new field `ProfitabilitySegment_2` is a character field (CHAR), while the field `ProfitabilitySegment` is a numeric character field (NUMC). The field lengths are the same. The switch to a character field allows the generation of more profitability segment numbers.
- If no profitability segment is assigned to the field `ProfitabilitySegment_2`, there may be entries with a space (new entries), entries with 0000000000 (old entries), or both. When you switch to the field `ProfitabilitySegment_2`, you must adapt your code that checks whether the field is empty (that is, a space or 0000000000).
- The field `ProfitabilitySegment_2` will contain non-numeric characters (that is, characters from A to Z) after the system reaches the highest numerical value.

The following CDS view is affected:

- [Inspection Lot](#) (`I_InspectionLot`)

Related Information

[Deprecation of ProfitabilitySegment in CDS Views \[page 1108\]](#)

5.5.14 QM Material Authorization Group for Inspections in Repetitive Manufacturing

The new switchable authorization check scenario `QM_INSPLOT_REM` enables you to switch on an authorization check for the [Material Authorization Group in QM](#) in transaction `MFPR` (Process Inspection Lots for Production Versions).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	QM-IM (Quality Inspections)
Available As Of	SAP S/4HANA 2021

Effects on System Administration

You activate the new scenario in transaction `SACF`. There you can also find more information in the scenario documentation.

5.5.15 Authorization for Deleting Quality Levels

For checking the authorization for the deletion of quality levels, the authorization object `Q_QLEVEL` was extended by activity 06 ([Delete](#)). The authorization object is checked in the following apps:

- Delete Quality Level (transaction `QD33`)
- Change Quality Level (transaction `QDL2`)

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	QM-QC (Quality Control)
Available As Of	SAP S/4HANA 2021

Effects on System Administration

Enter the authorization object `Q_QLEVEL` in the relevant roles and maintain the authorizations as required.

This authorization change is part of the generated role `SAP_NEW`, which supports you during the upgrade. For more information, see [Generated Role SAP_NEW](#).

5.5.16 OData API for Inspection Planning

You can now perform PATCH operations on all the inspection plan entities.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1E1 (Quality Management in Discrete Manufacturing), 1FM (Quality Management in Procurement), 1MP (Quality Management in Sales), 1MR (Quality Management in Stock Handling)
Application Component	QM-PT-IP (<i>Inspection Planning</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Inspection Plan](#)


5.5.17 OData API for Warehouse Defect

This service enables you to create defects of defect category 08 (warehouse defect). The API supports adding affected object to defects and the execution of follow-up actions for the affected objects.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	2QN (Nonconformance Management)
Application Component	QM-QN-DEF (<i>Defects Recording</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com/>)

Related Information

[Warehouse Defect](#)

5.5.18 OData API for Quality Task

This service enables you to read, create, or update a quality task with the task origin [defect](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	2QN (Nonconformance Management)
Application Component	QM-QN-TSK (Quality Task Management)
Valid as Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com/>.

Related Information

[Quality Task](#)

5.5.19 OData API for Task Code - Read

This service enables you to read task codes.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	2QN (Nonconformance Management) 2FA (Quality Management for Complaints From Customers) 2F9 (Quality Management for Complaints Against Suppliers) 2QP (Quality Management of Internal Problems)
Application Component	QM-PT-BD-CAT (Catalog)
Valid as Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com/> .

Related Information

[Task Code - Read](#)

5.5.20 Business Events for Inspection Plans

With this feature, you can now trigger business events for the [Manage Inspection Plans](#) app and the Inspection Plan OData API. You trigger events when you create, update, or delete inspection plans.

Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	1E1 (Quality Management in Discrete Manufacturing), 1FM (Quality Management in Procurement), 1MP (Quality Management in Sales), 1MR (Quality Management in Stock Handling)
Application Component	QM-PT-IP (<i>Inspection Planning</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Inspection Plan Events](#)

5.5.21 Business Events for Quality Info Records

With this feature, you now trigger a business event when you create a quality info record from the [Manage Quality Info Records](#) app or from the Quality Info Record OData API.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1FM (Quality Management in Procurement)
Application Component	QM-PT-RP-PRC (<i>QM Control in Procurement</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Quality Info Record Events](#)

5.6 Project Manufacturing Management and Optimization

You can use the following new features in Project Manufacturing Management and Optimization for non-valuated grouped project stock in an engineer-to-order scenario:

- Subcontracting
- Rounding pegging assignments based on unit of measure (uom)
- Vendor confirmation
- Costed stock gain
- Fiori app: [Pegging Assignments with Costs](#)

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-PMM (Project Manufacturing Management and Optimization)
Valid as Of	SAP S/4HANA 2021

Related Information

[Subcontracting](#)
[Configuration of Run Profile](#)
[Vendor Confirmation](#)
[Movement Types \(Project Stock\)](#)
[Display Assignments with Costs](#)

5.7 Country/Region Specifics

For country/region-specific changes, please see [Country/Region Specifics \[page 1117\]](#).

6 Manufacturing for Production Engineering and Operations

6.1 Cross-Area Features

6.1.1 Customizing Activities and Business Add-Ins for PEO

This topic provides an overview of new or changed Customizing activities and Business Add-Ins (BAIs) in Customizing for *Production* under *Manufacturing for Production Engineering and Operations*.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO (<i>Production Engineering and Operations</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

Customizing Path	Customizing Activity/BAI	Description
▶ Production ▶ Manufacturing for Production Engineering and Operations ▶ Production Engineering ▶ Routings ▶ General Data ▶	Define Version Profile	Define a default value for the control key in the version profile which is then automatically entered when creating operations in shop floor routings and in reference templates. You can also define a default version profile to be used for re-work routings.
▶ Production ▶ Basic Data ▶ Routing ▶ Control Data ▶	Maintain Task List Types and Set SET/GET Parameters	Define the number range to be used for reference templates (task list type F).

Customizing Path	Customizing Activity/BAdI	Description
► Production ► Manufacturing for Production Engineering and Operations ► Production Engineering ► Routings ► Shop Floor Routing Template ►	Define Number Ranges for Shop Floor Routing Template	Define the values of the number ranges for shop floor routing templates.
► Production ► Basic Data ► Routing ► Control Data ►	Maintain Task List Types and Set SET/GET Parameters	Define that change documents are to be created for shop floor routings (task list type V) and shop floor routing templates (task list type F).
► Logistics - General ► Product Lifecycle Management (PLM) ► Change Records ► Settings for Engineering Changes ►	Define Engineering Change Record Types	Define that the <i>PEO Relevant</i> checkbox is set for the record type you use for PEO processes (MFG). This setting determines that the correct change impact analysis tool is selected for PEO objects.
► Logistics - General ► Product Lifecycle Management (PLM) ► Change Records ► Settings for Engineering Changes ►	Define Engineering Change Record Type	Add the two objects, planning routing (PLR) and shop floor routing template (TER) to the reference objects for the record type that you use for PEO processes (such as MFG).
► Production ► Basic Data ► Bill of Material ► General Data ► BOM Usage ►	Define Control Data for BOM Usage	Use the following new checkboxes: <ul style="list-style-type: none"> • <i>Mnl Vers</i>: Enables manual entry of the BOM version when you create a new BOM or a new version of a BOM with this usage. • <i>Mand. CR</i>: Specifies that BOMs created with this usage must be assigned to a change record.
► Production ► Manufacturing for Production Engineering and Operations ► Production Engineering ►	Define MRS Authorization Groups	Define MRS authorization groups to control user access to manufacturing reference objects and manufacturing reference structures.
► Production ► Shop Floor Control ► Operations ►	Define Settings for Order Split	Define for a specific plant or combination of plant and parent order type that the WBS element and/or order type of the child order can be changed during an order split.

Customizing Path	Customizing Activity/BAdI	Description
Production > Manufacturing for Production Engineering and Operations > Production Operations >	<i>Define Additional Parameters for Processing Shop Floor Orders</i>	<p>Configure automated actions that enable you to:</p> <ul style="list-style-type: none"> • Trigger automatic skipping of operation activities in the <i>Setup</i> and <i>Teardown</i> segments if the operation activities in the <i>Produce</i> segment are skipped automatically. • Trigger automatic skipping of operation activities in the <i>Produce</i> segment if the remaining quantity is split at a predecessor operation.
Production > Manufacturing for Production Engineering and Operations > Business Add-Ins (BAdIs) > BAdIs for Auxiliary Data >	<i>BAdI: Direct Assignment for PRT Miscellaneous</i>	<p>Define that preselected auxiliary data is to be directly assigned to a PRT of the type miscellaneous when assigning a new one to an operation activity in the auxiliary data workspace of the shop floor routing.</p>
Production > Manufacturing for Production Engineering and Operations > Business Add-Ins (BAdIs) > BAdIs for Auxiliary Data >	<i>BAdI: Auxiliary Data Transformation</i>	<p>Transform and convert incoming XML auxiliary data to the required internal format for saving it to the database. You must implement this BAdI to be able to work with auxiliary data.</p> <div> <p>Note</p> <p>This BAdI replaces the Customizing activity <i>Configure FITF Parameters for Auxiliary Data Transformation</i>. This activity is no longer available.</p> </div>
Production > Shop Floor Control > System Modifications > Business Add-Ins >	<i>BAdI: Determination of GI Items for Transfer at Order Split.</i>	<p>Implement this BAdI if you want to use goods movements to transfer components costs from the parent order to the child order. By default, the system uses a by-product to transfer already incurred costs proportionally from the parent order to the child order.</p>
Production > Shop Floor Control > System Modifications > Business Add-Ins >	<i>BAdI: Additional Check for Split Quantity</i>	<p>Implement this BAdI in conjunction with the BAdI <code>BADI_GOODS_ISSUE_TRANSFER</code> to trigger a check that determines whether all goods movements have been successfully completed for the operations before the split operation.</p>
Production > Manufacturing for Production Engineering and Operations > Business Add-Ins > Production Operations > Goods Movements >	<i>BAdI: Goods Movement Adjustment for Assembly Postings</i>	<p>Implement this BAdI to change goods movement data for component assembly postings before the system posts the goods movement.</p>

Customizing Path	Customizing Activity/BAdI	Description
Production > Manufacturing for Production Engineering and Operations > Business Add-Ins > Production Operations > Goods Movements	<i>BAdI: Suppression of Automatic Goods Movements for Assembly Postings</i>	Implement this BAdI to suppress or enforce a goods movement when a component assembly is posted.
Quality Management > Environment > Tools > Business Add-Ins > Nonconformance Management > Business Add-Ins for Custom Logic in Defects	<i>Transfer Defects Automatically to Notification Item</i>	Implement this BAdI to define that a defect is automatically transferred to a quality notification item. You define the rules for the automatic transfer based on the data entered for the defect and the affected objects.
Production > Manufacturing for Production Engineering and Operations > Business Add-Ins > Production Operations > Enrichment of Functional Locations	<i>BAdI: Check for Functional Location Enrichment</i>	Use this BAdI to implement logic that determines when to trigger the enrichment of functional locations based on manufacturing reference structure information derived from the as-built data.
Production > Manufacturing for Production Engineering and Operations > Business Add-Ins > Production Operations > Enrichment of Functional Locations	<i>BAdI: Enrichment of Functional Locations</i>	Use this BAdI to trigger the enrichment of functional locations based on manufacturing reference structure information derived from as-built data.

6.1.2 Integration with Smart Tools

PEO now provides interfaces for data exchange that you can use to trigger communication from equipment (smart tools or machines) to PEO. You can then connect this equipment to Plant Connectivity (PCo), optionally via SAP MII.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO (<i>Manufacturing Engineering Cockpit</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

PEO provides the following remote-enabled function modules that enable you to remotely trigger actions for operation activities in the segment type *Produce* without any user action:

- **MPE_OA_EXEC_SAS_ACTION** (Executes SAS Action)
Trigger this function module remotely from a smart tool or machine on the shop floor to execute actions from a status and action schema (SAS) in the system based on the import parameters.
- **MPE_COMPONENT_ASSEMBLY** (Posts a Component Assembly)
Trigger this function module remotely from a smart tool or machine on the shop floor to post goods movements for components in the system based on the import parameters.
- **MPE_OA_EXEC_GETINSPCHAR** (Get Inspection Characteristics of an Operation Activity)
Trigger this function module remotely from a smart tool or machine to retrieve inspection characteristics for operation activities from the system based on the import parameters.
- **MPE_OA_EXEC_RECORDRESULTS** (Record Results for Inspection Characteristics of an Operation Activity)
Trigger this function module remotely from a smart tool or machine to record inspection characteristics in the system based on the import parameters.
- **MPE_OA_EXEC_DEFECT_CREATE** (Create a Defect for an Operation Activity)
Trigger this function module remotely from a smart tool or machine to create a defect for an operation activity in the system based on the import parameters.

The function modules can be triggered via synchronous, single-action RFCs.

i Note

PEO does not provide the implementation out of the box. You need to decide how you want to trigger the PEO actions and configure this accordingly.

Related Information

[Integration with Smart Tools and Machines](#)

6.1.3 Manufacturing Reference Structures

PEO now provides APIs that can be used by SAP product data management integration with SAP S/4HANA to create a manufacturing reference structure (MRS) hierarchy and link it to the EBOM hierarchy. A manufacturing reference structure (MRS) is a separate hierarchy of information that can be linked to the EBOM hierarchy to provide additional contextual information for BOM components during production processes. PEO tracks MRS information during production engineering and production execution and allows you to use this information to build and enrich asset structures based on the as-built status of executed production orders.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-MRS (Manufacturing Reference Structure)
Valid as Of	SAP S/4HANA 2021

Additional Details

In production engineering, MRS information in the context of the immediate BOM header is available, as well as absolute MRS information, which shows where a component is linked to an MRS hierarchy in the context of a parent BOM header.

The MRS is linked to BOM components. When production orders are created with these BOMs, the MRS designator is displayed in the production execution and monitoring apps in the context of the component to which it is linked. In production order execution, only MRS information in the context of the immediate BOM header is available.

Manage Manufacturing Reference Structures App

PEO provides a dedicated app that gives you an overview of all manufacturing reference structures created by the APIs through SAP product data management integration with SAP S/4HANA.

Functional Location Enrichment

PEO can use information from the manufacturing bill of material, production order, and component linking to the manufacturing reference structure (MRS) to build and enrich asset structures based on the as-built status of executed production orders. To enable you to enrich functional locations, PEO provides:

- Action handler `CREATE_FLOC` (action handler class `CL_MPE_FLOC_ENRICHMENT`)
By defining this action handler for object type 004 ([Serialized Material in OA](#)) and assigning it to the `SAP_COMPLETE` action, you can trigger enrichment of functional locations on completion of an operation

activity. This action handler calls the BAdI `MPE_FLOC_ENRICHMENT_CHECK`, which determines whether creation of a functional location hierarchy is required.

- **BAdI: Check for Functional Location Enrichment** (`MPE_FLOC_ENRICHMENT_CHECK`)
You can use this BAdI to determine whether creation of a functional location hierarchy is required. SAP provides the example implementation `MPE_FLOC_ENR_CHECK_EXAMPLE`, which checks whether the material type of the output material is an installation kit (IKIT). If this is true, the BAdI triggers report `MPE_FLOC_ENRICHMENT` as an asynchronous job.
- Report **FLOC Hierarchy Enrichment** (`MPE_FLOC_ENRICHMENT`)
This report calls the BAdI `MPE_FLOC_ENRICHMENT` to enrich the functional location hierarchy and successfully create the functional location hierarchy for each serial number. You can run this report directly to trigger functional location enrichment for a specific order and its serial number, or you can trigger the report using the BAdI `MPE_FLOC_ENRICHMENT_CHECK`.
- **BAdI: Enrichment of Functional Locations** (`MPE_FLOC_ENRICHMENT`)
You can use this BAdI to trigger the enrichment of functional locations based on manufacturing reference structure information derived from as-built data. SAP provides the example implementation `MPE_FLOC_ENRICHMENT_EXAMPLE`.

Effects on System Administration

The following authorization objects are provided:

- `C_MPE_MRS` (*Manufacturing Reference Structure*)
This authorization object enables you to control which actions users can perform for a manufacturing reference structure (MRS). Here you can specify the MRS authorization group and MRS usage (currently only usage 0001 is supported) for which a user can perform a specific action (create or generate, change, display, or delete).
- `C_MPE_MROB` (*Manufacturing Reference Object*)
This authorization object enables you to control which actions users can perform for a manufacturing reference object. Here you can specify the MRS authorization group for which a user can perform a specific action (create or generate, change, display, or delete).

Effects on Customizing

► *Production* ► *Manufacturing for Production Engineering and Operations* ► *Production Engineering* ► *Define MRS Authorization Groups* ►

Here you can define MRS authorization groups to control user access to manufacturing reference objects and manufacturing reference structures. The MRS authorization group is a field of the authorization objects `C_MPE_MROB` and `C_MPE_MRS`, which control which actions users can perform for a reference object and reference structure.

Related Information

- Manufacturing Reference Structures
- Manage Manufacturing Reference Structures
- Using MRS Information in PEO
- Functional Location Enrichment
- Creating and Updating Functional Locations

6.1.3.1 Manage Manufacturing Reference Structures

With this app, you have an overview of all manufacturing reference structures sorted by header reference object. For each manufacturing reference structure (MRS), you can view details of the MRS items and drill down into lower-level reference structures in the MRS hierarchy.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-MRS (<i>Manufacturing Reference Structure</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

- Manufacturing Reference Structures
- Manage Manufacturing Reference Structures

6.1.4 Manufacturer's Serial Number and Supplier Batch

You can now enter the manufacturer's serial number and supplier batch number when assembling externally produced parts. These external IDs are shown next to the internal IDs in the production monitoring apps.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFE (<i>Shop Floor Execution</i>)
Valid as Of	SAP S/4HANA 2021

6.1.5 Custom Fields at BOM Item Level

You can now add custom fields at BOM item level in the apps listed below.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO (<i>Manufacturing Engineering Cockpit</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

For detailed information on how to add custom fields at BOM item level, see:

- [App Extensibility: Maintain Bill of Material \(Key User\)](#)
- [App Extensibility: Manage Manufacturing Reference Structures \(Key User\)](#)
- [App Extensibility: Manage Production Orders \(Key User\)](#)
- [App Extensibility: Manage Production Operations \(Key User\)](#)
- [App Extensibility: Assign Work \(Key User\)](#)
- [App Extensibility: My Work Queue \(Key User\)](#)
- [App Extensibility: Perform Operation Activity \(Expert\)](#)
- [App Extensibility: Product Genealogy \(Key User\)](#)
- [App Extensibility: As-Built Report \(Key User\)](#)

6.2 Extended Production Engineering

6.2.1 Migration of Classic BOMs to Unitized Version-Controlled BOMs

With the migration report `RMPE_MIGRATE_UNITIZED_BOM`, you can migrate classic bills of material (BOMs) for unitized materials into unitized version-controlled BOMs used in SAP S/4HANA Manufacturing for production engineering and operations (PEO). The report has been enhanced with an [Effectivity Match](#) section where you can now also select how you want to deal with effectivity parameters during the migration.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-MIG (PEO Migration related Topics)
Valid as Of	SAP S/4HANA 2021

6.2.2 Template Conversion Report

With this feature you can run the conversion report `MPE_RTG_CONV_CLBRD_REFT` which is a mandatory step before you can work with shop floor routings, rework routings, order-specific routings, and the Manage Templates app from the SAP S/4HANA 2021 release. The report is used to convert the former referenceable templates into a new format of reference template which is required for this release. That is, the report converts the former referenceable templates into the new version-controlled reference templates, the former common templates into shared copy templates, and your my favorites into private copy templates.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	PP-PEO-MIG (<i>PEO Migration related Topics</i>)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

For information on how existing data is converted, see [Migrating Referenceable Templates and Common Favorites to the Manage Templates App](#).

6.2.3 Migration Report for Icons

With this feature you can run the conversion report `MPE_RTG_UPG_HAS_FLAG` which is a mandatory step before you can work with shop floor routings, rework routings, order-specific routings, and reference templates from the SAP S/4HANA 2021 release. The report is used to update the object icons at operation level in the routing/template. In past releases, the system only displayed icons for components, inspection characteristics, PRTs, and documents. After executing this report, the system also displays all other icons at operation level. That is, for work instructions, buyoffs, logical components, qualifications, and relationships. You use this report to perform a one-time update of the object icons to make them visible at operation level as well as at operation activity level.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-MIG (<i>PEO Migration related Topics</i>)
Available As Of	SAP S/4HANA 2021

6.2.4 Manage Planning Routings

With this feature you can create and manage your planning routings. You can now use new functions and features that are available for maintaining planning routings.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFR (<i>Shop Floor Routing</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

Using the new and changed features available for the planning routing, you can:

- Assign change records to planning routings.
For more information, see [Working with Change Records and Change Numbers for Date-Effective Planning Routings](#).
- Create planning routings directly from the Manage Engineering Changes app.
For more information, see [How to Create Planning Routings from the Change Record](#).

6.2.5 Version Profile for Routings and Reference Templates

The version profile has been enhanced for shop floor routings and rework routings and has been enabled for shop floor routing templates.

i Note

The successive version checkbox will be a mandatory setting from release SAP S/4HANA 2022 000. This means that, in future releases, you will only be able to create a new routing version from the last version to be released. It will not be possible to switch this setting off to be able to create a new version from any previously released version.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	PP-PEO-RTG (<i>Shop Floor Routing</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The following features have been enhanced:

- You can define a default value for the control key in the version profile. The system then automatically enters this default value in the control key field when creating operations in shop floor routings and in reference templates. You can change this default value, if necessary.
- You can create a default version profile to be used for rework routings.
- The default version profile that you create for shop floor routings also applies to reference templates meaning that when you create a new reference template, the system automatically presets certain fields and checkboxes according to the version profile.

Related Information

[Version Profile](#)

6.2.6 Manage Shop Floor Routings

With this feature you can create and manage your shop floor routings. You can now use multiple new functions and features that are available for maintaining shop floor routings. In addition, several changes have been made to improve existing features.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFR (<i>Shop Floor Routing</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

Using the new, changed, and enhanced features available in the shop floor routing, you can:

- Refer to the new header for the shop floor routing that contains the shop floor routing group number, the group counter number, the routing version number as well as the header description. A subheader is now also available that displays the status of the material and MBOM assignment. This subheader can also contain information on the effectivity filter. You can switch it on and off as necessary if you need more space to process the routing.
For more information, see step 5 of [How to Create New Routings](#).
- Use the [Expand All](#) and [Collapse All](#) buttons which are available in all workspaces to expand and collapse the complete routing structure tree.
For more information, see the structure workspace section in [Navigation in Shop Floor Routings](#).
- Display the change history for the shop floor routing.
For more information see, [Change History for Routings and Reference Templates \[page 537\]](#).
- Show and hide the template library to open the list of all templates (reference, shared copy, and private copy) in a dedicated section on the left-hand side of the screen. The section was previously known as the Favorites section.
For more information, see [Working with the Template Library](#).
- Create an operation in the structure workspace without having to create the first operation activity. Or, you can now create the first operation activity and choose any segment; setup, produce, or teardown. You can save a shop floor routing that contains operations without operation activities or without an operation activity in the produce segment. However, if you try to release such as routing, the release checks will issue an appropriate error message.
For more information, see [How to Create Operations](#).
- Create an inspection characteristic with reference to a particular component. When searching for the component, the system automatically filters the search list to display the components that were assigned to the operation activity for which you are creating the inspection characteristic. You can also reference a component when creating a table of inspection characteristics. In this case, the system automatically passes on the component information to all the inspection characteristics in the table.
For more information, see [Setting Up Component Data Collection](#).
- Reference inspection characteristics and tables of inspection characteristics with component information in the interactive work instructions. This means that the production operator on the shop floor can immediately see for which component an inspection characteristic is to be performed. If no specific component is referenced, the data is collected for the header material of the production order.
For more information, see [How to Create Work Instructions with Single MBOM Assignment \(No Instances\)](#).
- Assign miscellaneous PRTs to operation activities in the details workspace in addition to equipment PRTs and material PRTs. You can also create references to miscellaneous PRTs in the work instructions.
For more information, see [How to Assign PRTs to Operation Activities](#).
- Change the attribute according to which the list of components is sorted in the component assignment workspace. By default, the components are sorted in the table according to the item number. If you want to change this and sort the list according to the components, for example, click the sort icon in the table toolbar and select [Component](#) from the dropdown list. You can also use your own customer-specific fields as a sorting criterion. You can always see the attribute that is currently selected for sorting the components in the table by hovering your mouse on the select icon. The tooltip shows which attribute is currently selected.
For more information, see [How to Assign and Unassign Components](#).
- Display the bulk indicator for components:

- In the assigned component information in the details workspace for the operation activity - in the [Components](#) tab.
- In the component assignment workspace - in the components list.
- In the component assignment workspace - in the assigned components table.

For more information, see steps 6 and 7 of [How to Assign and Unassign Components](#).

- Display the MBOM item category description in the MBOM tree in the component assignment workspace.
- Include bulk components in the interactive work instructions. If you select a bulk component and choose [Add Reference](#), no [Enter Quantity](#) checkbox is available as no quantity data is collected for bulk components in execution. In addition, if you select all components and choose [Add Reference](#), the system now automatically creates a separate section for bulk components with a corresponding title. In this section, no quantity input fields exist.

For more information, see [How to Create Work Instructions with Single MBOM Assignment \(No Instances\)](#)

- Upgrade all reference templates for which new versions exist simultaneously in the details workspace by choosing the new button [Upgrade All to Newest Versions](#).
For more information, see [How to Upgrade Changed Reference Templates](#).
- In the component assignment workspace, you can see MRS designator information and display the manufacturing reference structure hierarchy (MRS hierarchy) for components and component instances if available for the MBOM assigned to the shop floor routing. You can access this information in the component assignment workspace and in the details workspace.

For more information, see [How to Assign and Unassign Components](#).

- Include MRS designator information in the interactive work instructions.
For more information, see [Adding Component References with MRS Designators \(With and Without Instances\)](#).
- Assign a change record to rework routings.
For more information, see [How to Assign a Change Record](#).
- Work with the new flexible workflow that enables you to change started workflows and process workflow steps in parallel.
For more information, see [How to Change a Started Workflow](#).

Effects on Existing Data

Note the following significant changes:

- The favorites section has been replaced by the template library.
- The two root folders have been renamed from Common Templates to [Shared Templates](#) and from My Favorites to [Private Copy Templates](#). All previously existing folders have been taken over into the new root folders.
- Referenceable templates have been renamed to reference templates which you can only create in the Manage Templates app.
- Only the latest released reference templates are displayed in the template library.
- You can classify all your templates (reference, shared, and private) to enable better search possibilities.

Effects on Data Transfer

In order to convert the former referenceable templates into the format of reference template which is required for the SAP S/4HANA 2021 release, you are required to run the report `MPE_RTG_CONV_CLBRD_REFT`. This is a

mandatory step before you can work with shop floor routings, rework routings, order-specific routings, and the Manage Templates app in this release.




For more information, see [Template Conversion Report \[page 526\]](#).

You must also run the conversion report `MPE_RTG_UPG_HAS_FLAG` to be able to work with shop floor routings, rework routings, and order-specific routings from the SAP S/4HANA 2021 release. This report is used to update the object icons at operation level in the shop floor routing.

For more information, see [Migration Report for Icons \[page 527\]](#).

Effects on Customizing

The following Customizing activities have been added:

- Several customizing settings are required to be able to work with the new reference templates. For more information, see [Settings for Reference Templates - For Shop Floor Routings](#).
- [Production](#) > [Manufacturing for Production Engineering and Operations](#) > [Production Engineering](#) > [Routings](#) > [General Data](#) > [Define Version Profile](#) 
You can now define a default control key in the version profile and you can also a default version profile that is relevant for rework routings.
- [Production](#) > [Basic Data](#) > [Routing](#) > [Control Data](#) > [Maintain Task List Types and Set SET/GET Parameters](#) 
If you want the system to create change documents for shop floor routings, you must have selected the [Documents](#) checkbox for the task list type V.
- [Production](#) > [Manufacturing for Production Engineering and Operations](#) > [General Settings](#) > [Activate Features and Acknowledge License Obligations](#) 
The customizing settings for activating certain features of the shop floor routing have changed. From the SAP S/4HANA 2021 release, you no longer have to activate the following features:
 - Change Alerts
 - Buyoffs
 - QualificationsThese features are always switched on and no longer have to be activated per plant.

6.2.7 Manage Templates - For Shop Floor Routings

With this app, you can manage all templates that can be inserted into shop floor routings, rework routings, and order-specific shop floor routings. Templates are predefined building blocks such as operation sets or operations, which can be used in multiple routings. The aim is to facilitate and speed up the creation and maintenance of routings and to enable a company-wide usage of standard best practices. In this app, you can create reference templates for which a complete lifecycle management has been enabled. Like shop floor routings, reference templates are version based. Releasing a version enables its use in routings. If you need to make changes to a released reference template, you first have to create a new version, make your changes, and release the new version. Where-used information is available to find and upgrade all routings that are affected by a new version quickly. In this app, you can also manage shared copy templates (Shared Templates folder) as

well as your own private copy templates (Private Templates folder). These copy templates have no lifecycle management, are not version based, and have no status information.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFR (Shop Floor Routing)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

In order to process the reference templates that you created in previous releases, you must first run the conversion report `MPE_RTG_CONV_CLBRD_REFT` that converts the old reference templates to the new format required for processing in the new app. For information on the report, refer to the report documentation.

Note

You must first run this conversion report to be able to access all routings and template apps and transactions in the SAP S/4HANA 2021 release.

Effects on System Administration

To be able to work with the new Manage Templates app, the following authorizations are required:

- `C_MPE_CFAV` with activity 03 (display)
- `C_ROUT` activity 03 and routing type F, for each plant. There is also a plant parameter for `C_ROUT`. So if you do not have authorization for plant 0001 you will not see its templates, for example.
- You also require the necessary authorization for classification objects to be able to set the classification filter in the entry screen workspace.

Effects on Customizing

The following Customizing settings are required to work with the new Manage Templates app:

- [▮ Production ▸ Basic Data ▸ Work Center ▸ General Data ▸ Define Task List Usage ▮](#)
You have to add the task list type F (reference template) to the task list usages that you use in the context of PEO to enable the use of reference templates in shop floor routings. If this setting is not maintained, you cannot release shop floor routings that contain reference templates.
- [▮ Production ▸ Basic Data ▸ Routing ▸ Control Data ▸ Maintain Task List Types and Set SET/GET Parameters ▮](#)
You can define the number range to be used for reference templates (task list type F).
- [▮ Production ▸ Manufacturing for Production Engineering and Operations ▸ Production Engineering ▸ Routings ▸ Shop Floor Routing Template ▸ Define Number Ranges for Shop Floor Routing Template ▮](#)
You can define the values of the number ranges to be used for reference templates.
- [▮ Production ▸ Basic Data ▸ Routing ▸ Control Data ▸ Maintain Task List Types and Set SET/GET Parameters ▮](#)
If you want the system to create change documents for reference templates, you must have selected the [Documents](#) checkbox for the task list type F.
- [▮ Logistics - General ▸ Product Lifecycle Management \(PLM\) ▸ Change Records ▸ Settings for Engineering Changes ▸ Define Engineering Change Record Type ▮](#)
To be able to see the shop floor routing templates in the details screen of the Manage Change Records app, you have to add the object to the record type you use for PEO (such as MFG).
- [▮ Logistics - General ▸ Product Lifecycle Management \(PLM\) ▸ Classification ▮](#)
To be able to classify reference templates and search for them using these classification values, you have to maintain the characteristics and their related characteristics values. Then, you have to create a class for class type 018 and assign the characteristics.

Related Information

[Manage Templates](#)

6.2.8 Manage Order-Specific Shop Floor Routings

With this feature you can manage your order-specific shop floor routings. You can now use new functions and features that are available for order-specific shop floor routings.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable

Additional Details

Using the new and changed features available in the shop floor routing, you can:

- See a new header containing information on the order-specific routing group, counter, and version as well as the description. A subheader is now also displayed containing information on the production order for which the order-specific routing was created. You can switch the subheader on and off as necessary if you need more space for processing.
- See all operations of parent and child production orders in the case of an order split. These operations are always *Not Editable* as they belong to either a parent or a child production order and cannot therefore be edited in the current order.
- See information on the manufacturer's serial number and supplier batch in the *Assembly Information* section of the *Disassemble* dialog box in the component list workspace, if available.
- Display the change history for the order-specific shop floor routing.
For more information see, [Change History for Routings and Reference Templates \[page 537\]](#).
- Set the bulk indicator when changing a component or adding a new component in the component list workspace. On release of the order-specific shop floor routing, this information is passed on to the production order.
- Change and update auxiliary data assignments for editable operation activities in the auxiliary data workspace. If you have created a new operation activity in the order-specific routing, you can navigate to the auxiliary data workspace to create inspection characteristics and assign PMI, for example. If you have implemented the BADIs for direct assignment, this feature is also available in the order-specific routing.
- Incorporate changes from a new version of the auxiliary data file if:
 - The production order is released but not yet started and all operation activities still have the status initial and are editable.
 - A new version of the auxiliary data file associated with the MBOM exists but no new MBOM version exists.

In this case, you can update the auxiliary data assignments using the new version of the auxiliary data file. You first have to delete all existing assignments. When you save these changes, the system automatically loads and displays the updated version of the auxiliary data file and you can proceed to create new assignments.

Related Information

[How to Change Order-Specific Routings](#)

6.2.9 Component Data Collection

With this feature you can create inspection characteristics and tables of inspection characteristics with reference to a specific component in the Manage Shop Floor Routings app. When searching for the component, the system automatically filters the search list to display the components that were assigned to the operation activity for which you are creating the inspection characteristic. When referencing a component in a table of inspection characteristics, the system automatically passes the component information on to all the inspection characteristics created in the table. You can also reference inspection characteristics and tables of inspection characteristics that were created with reference to a specific component in the interactive work instructions.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO_SFR (<i>Shop Floor Routing</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Setting Up Component Data Collection](#)

6.2.10 Flexible Workflow Enabled for Shop Floor Routings and Templates

With this feature, you can use the new flexible processing features available for maintaining workflow. That is, it is now possible to change a workflow that has already been started by adding new workflow steps, changing existing steps, and changing the order in which the steps are to be processed. You can also enable several steps to be processed in parallel.

Technical Details

Type	Changed
------	---------

Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFR (<i>Shop Floor Routing</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[How to Create and Start the Workflow](#)
[How to Change a Started Workflow](#)

6.2.11 Change History for Routings and Reference Templates

The change history enables you to track changes in shop floor routings, rework routings, order-specific shop floor routings, and reference templates while they are still in process. The change history provides you with information on the changes made during creation and maintenance, when were the changes done, and who did the changes. The information is available when the routing/template is in process as well as after release for reference purposes.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFR (<i>Shop Floor Routing</i>)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

You can configure whether the system is to create change documents for routings and reference templates:

- [Production](#) ► [Basic Data](#) ► [Routing](#) ► [Control Data](#) ► [Maintain Task List Types](#) ► [Set SET/GET Parameters](#) ►

If you want the system to create change documents for routings and reference templates, you must have selected the *Documents* checkbox for all the relevant task list types:

- Shop floor routings, rework routings, and order-specific shop floor routings: Task list type, V
- Reference templates: Task list type, F

i Note

You are recommended only to switch on this change tracking feature for routings or templates if you want to create change documents as it could affect performance.

Related Information

[Tracking Changes in the Change History](#)

6.2.12 Where-Used Information for Standard Texts

With this feature you can better manage your standard texts in the Manage Standard Texts app. You can now find where-used information for standard texts of the usage type *Reference* and *Reference and Copy*. The new *Where Used* section in the app displays a table with information on which version of the standard text is currently being used in which routings. You also have information on the operation and operation activity that references the standard text as well as on the current processing status of the routing. You can also navigate directly to a routing from the Where Used section.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-STX (<i>Standard Text</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[How to Find Where-Used Information for Standard Texts](#)

6.2.13 Report for Handling Stray Images

You can trigger the deletion of stray images with the new report `RMPE_RTE_DELETE_UNUSED_ATT`. You can schedule a background job to run this report as frequently as you require. The report searches for all the stray images that are no longer used in work instructions or in standard texts and marks them for deletion. A second report is already available that deletes the images (`RSBCS_REORG`). This results in a regular cleanup of the DMS (Document Management Services) and frees up memory that was unnecessarily blocked by images that are no longer required.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-STX (<i>Standard Text</i>)
Available As Of	SAP S/4HANA 2021

6.2.14 Manage Change Records

With this feature you can create and manage your change records. Note that the name of this app has been changed from Manage Engineering Changes to Manage Change Records. In the app, you can use several new functions: The two manufacturing objects, planning routings and shop floor routing templates are now also available as sections in the change record details screen. The planning routing is now also included in the change impact analysis so that you have an even more complete picture of all the objects that could potentially be affected by engineering changes. In addition, you can now also create a planning routing for a planning BOM directly from the change record.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-CR (<i>Manufacturing Change Record</i>)

Effects on Customizing

You have to update the following customizing setting to see the new manufacturing objects in the Manage Change Records app:

- Under ► [Logistics - General](#) ► [Product Lifecycle Management \(PLM\)](#) ► [Change Records](#) ► [Settings for Engineering Changes](#) ► [Define Engineering Change Record Types](#) ►, you have to add the two objects, planning routing (PLR) and shop floor routing template (TER) to the reference objects for the record type that you use for PEO processes (such as MFG).

Related Information

[Settings for Change Records](#)

[Manage Change Records](#)

[How to Create Planning Routings from the Change Record](#)

6.2.15 Analyze Change Impact

With this feature you can analyze the impact that changes to engineering data have on various manufacturing objects such as MBOMs, shop floor routings, and production orders. You can now also analyze the impact of changes on planning routings. Various new features are also available in the object details screen.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-ACI (Analyze Change Impact)
Available As Of	SAP S/4HANA 2021

Additional Details

Using the new and enhanced features available in the impact analysis, you can:

- See the impact of changes on planning routings.
- See the manufacturing reference structure (MRS) designator information for BOM items, if available, and display the MRS as well as the MRS hierarchy.
- See where changes have been made to MRS designators for individual BOM items in the [Net Change](#) section of the screen.
- View related orders information for production orders, if available. For this purpose, the new button [Related Orders](#) has been added to the details screen of the Analyze Change Impact app for production orders, which is only active if related orders actually exist for the current order. Related orders could be either a parent or a child order and are the result of an order split.
- Specify in Customizing that the correct impact analysis tool relevant for PEO processing is launched from the change record for the record type MFG (Manufacturing Engineering).

Effects on Customizing

In Customizing for Logistics - General under ► [Product Lifecycle Management \(PLM\)](#) ► [Change Records](#) ► [Settings for Engineering Changes](#) ► [Define Engineering Change Record Types](#) ►, for the record type MFG (Manufacturing Engineering), you can select the [PEO Relevant](#) checkbox which controls that the correct impact analysis tool relevant for PEO processing is launched from the change record.

Related Information

[How to Analyze the Impact of Engineering Changes](#)

6.3 Extended Production Operations

6.3.1 Production Control

6.3.1.1 Manage Production Orders

This app enables you to monitor the progress of production and manage your production orders. You can now perform an order split for shop floor orders.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFE (<i>Shop Floor Execution</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

You can now:




- Split a shop floor order into two separate orders with the same material if you need to handle the processed partial quantity separately from the remaining quantity to be produced.

Note

The split method *Split to warehouse*, which allows you to place the processed partial quantity of the order into the warehouse as a by-product, is currently only supported in transaction C002.

Effects on Customizing

The following Customizing activities and Business Add-Ins (BAdIs) related to order split have been added:

- [Production](#) > [Shop Floor Control](#) > [Operations](#) > [Define Settings for Order Split](#) 
You can configure here whether the system allows changes to WBS element and order type during an order split.
- [Production](#) > [Shop Floor Control](#) > [System Modifications](#) > [Business Add-Ins](#) > [BAdI: Additional Check for Split Quantity](#) 
You can implement this BAdI `BADI_SPLIT_QUANTITY_CHECK` to determine whether all goods movements have been successfully completed for the operations before the split operation.
- [Production](#) > [Shop Floor Control](#) > [System Modifications](#) > [Business Add-Ins](#) > [BAdI: Determination of GI Items for Transfer at Order Split](#) 
You can implement this BAdI `BADI_GOODS_ISSUE_TRANSFER` to transfer the goods issue items from the parent to the child order during an order split, instead of using a by-product. A prerequisite for using this BAdI is that all goods movements have been successfully completed for the operations before the split operation. You can perform this check by implementing the BAdI `BADI_SPLIT_QUANTITY_CHECK`.

Related Information

[Order Split for Shop Floor Orders](#)
[How to Split Orders with the Same Material](#)
[How to Split Orders to the Warehouse](#)
[Settings for Order Split](#)
[Manage Production Orders \[page 474\]](#)

6.3.1.2 Manage Production Holds

You can use this app to maintain a complete overview of all production holds. You can now change the hold reason and note for active holds and change the release reason and note for released holds, provided that entry of reason and note is required or allowed for the hold and release actions. In addition, you can now also search for holds placed as a result of a quality notification using the two new filter criteria, notification and notification item.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	Shop Floor Execution (PP-PEO-SFE)
Available As Of	SAP S/4HANA 2021

Additional Details

Use the [Manage Action Settings](#) app to check whether entry of reason and note is required or allowed for the hold and release actions.

Related Information

[Manage Production Holds](#)
[How to Edit Action Settings](#)

6.3.1.3 Assign Work

This app enables you to assign work to production operators. You can now also use new functions and features, which are described below.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFE (<i>Shop Floor Execution</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The following enhancements have been made:

- You can click an operation activity to navigate to the [Operation Activity Assignments](#) page, where you can see all assignments (such as components, work instructions, and inspection characteristics) for the operation activity.
- The *On Hold* column has been replaced by an *Issues* column with icons that are highlighted if an operation activity is on hold or has missing components. The popover contains a link to the *Issues* section of the [Operation Activity Assignments](#) page.
- You can now use a new filter called *OA Issues* to display operation activities that are not on hold or have no missing components.
- You can now assign teams to operation activities.

i Note

A prerequisite is that teams of category EPO (*Extended Production Operations*) have been created in the Manage Teams and Responsibilities app

Related Information

[Assign Work](#)

[How to Assign Teams to Operation Activities](#)

6.3.1.4 Manage Production Operators

With this app, you can manage the workload of your production operators and assign operation activities to them. You can now see whether operation activities assigned to an operator were assigned directly or assigned to a team to which the operator belongs.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFE (<i>Shop Floor Execution</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The *Assigned Operation Activities* section now contains the following three tabs:

- *Direct Assignment*
- *Team Assignment*
- *All*

6.3.2 Production Execution

6.3.2.1 My Work Queue

This app enables you to display all operation activities currently assigned to you by your production supervisor. You can now also use new functions and features, which are described below.

Technical Details

Type	Changed
------	---------

Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFE (Shop Floor Execution)
Available As Of	SAP S/4HANA 2021

Additional Details

The following enhancements have been made:

- You can now use a new filter called [OA Issues](#) to display operation activities that are not on hold or have no missing components.
- The list page now includes an [Issues](#) column with icons that are highlighted if an operation activity is on hold or has missing components. The popover contains a link to the [Issues](#) section of the [Operation Activity Assignments](#) page.
- The [Operation Activity Assignments](#) page now contains the following additional sections:
 - Issues
 - Assigned Operators
 - Assigned Teams
- The [Components](#) section on the [Operation Activity Assignments](#) page now contains a [Missing Components](#) subsection.

6.3.2.2 Perform Operation Activity

This app enables you to perform operation activities. You can now also use new functions and features that are available for production execution.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFE (Shop Floor Execution)
Available As Of	SAP S/4HANA 2021

Additional Details

Component Data Collection

If components of an operation activity have been assigned to inspection characteristics, you can now perform inspections for these components in the work instructions or in the [Data Collection](#) section, as applicable. For components with instances, you can click the component ID (or instance number or reference designator) to highlight the component in the 3D visual (if available).

The results appear in the [Component Inspection Characteristics](#) section on the details screen of the Manage Production Orders and Product Genealogy apps.

Defect Recording for a Specific Component

When recording a defect, you now have the option to select a specific component to which the defect applies.

If defects recording has been enabled for a component-specific inspection characteristic assigned to an operation activity, the system automatically creates a quality notification if you reject the valuation of the inspection result for this component in case it does not meet the specifications. This quality notification then appears in the [Defects](#) section.

Details of the quality notification appear in the [Defects](#) section on the details screen of the Manage Production Orders and Product Genealogy apps.

Manufacturer's Serial Number and Supplier Batch

You can now enter the manufacturer's serial number and supplier batch number when assembling externally produced parts.

Related Information

[Component Data Collection](#)

[Setting Up the Automatic Creation of Quality Notifications at Data Collection](#)

6.3.3 Quality Management

6.3.3.1 Nonconformance Handling with Quality Notifications

With this feature you can use the extended nonconformance handling with quality notifications. Up until now, nonconformance in SAP S/4HANA PEO could only be processed using defects. From this release onwards, you can also:

- Instruct the system to create defects first and then transfer these defects to quality notifications manually.
- Instruct the system to transfer defects to quality notifications automatically.
- Instruct the system to create quality notifications when collecting data if the inspection characteristic specifications are not met.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO (Manufacturing Engineering Cockpit)
Valid as Of	SAP S/4HANA 2021

Additional Details

In the Change Quality Notifications app, the following features have been enhanced for SAP S/4HANA PEO:

- The link [Display PEO Object Information](#) has been added to the [Action box](#) on the right-hand side of the screen. Click to display information on the production order, operation, operation activity, defective quantity, applied hold, and serial number (for serialized products), for example.
- All the follow-up quality tasks for the code group NONCF that are available for defects are now also available for the quality notification.
- The follow-up actions for the tasks are also available for quality notifications.

Effects on Customizing

- If you want to transfer the defect to a quality notification, you must have maintained the default mapping of quality notification type and defect category in Customizing for Quality Management under [Nonconformance Management](#) > [Defects Recording](#) > [Notification Type: Mapping of Defect Categories](#) . The quality notification is created with the notification type you set as the default for the defect category.
- If you want the system to transfer the defect to a quality notification automatically, you must also have implemented the BAdI QM_NCM_AUTO_TRANSFER_OF_DEF (BAdI for Transfer of Defects to a Notification) in customizing for Quality Management under [Environment](#) > [Tools](#) > [Business Add-Ins](#) > [Nonconformance Management](#) > [Business Add-Ins for Custom Logic in Defects](#) > [Transfer Defects Automatically to Notification Item](#) . In this BAdI, you define that a defect is automatically transferred to a quality notification item. You define the rules for the automatic transfer based on the data entered for the defect and the affected objects.

Related Information

[Integration of Defects in Quality Notifications](#)

[How to Create Quality Notifications When Recording Inspection Results](#)

6.3.4 Production Monitoring

6.3.4.1 As-Built Report

This app enables you to generate an as-built report for serialized products to get a top-down view of which materials (planned and unplanned) have been consumed in an assembly and in any subassemblies. You can now use a range of new functions and features, which are described below.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFA (<i>Shop Floor Analytics</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

Corrections to As-Built Information

You now have the option to make corrections to as-built information, for example, if the wrong serial number, batch number, or quantity was recorded for a material during assembly. This allows you to resolve any inconsistencies in the as-built information for the product you're manufacturing.

Depending on the assembly type of the material, you can make the following corrections:

- For serialized materials or serialized batch-managed materials, you can:
 - Replace the current serial number with a different serial number.
 - Remove the serial number completely.
 - Add a serial number.
- For batch-managed materials, you can:
 - Move the consumed quantity of the selected batch either partially or completely to a different batch.
 - Adjust the consumed quantity of the selected batch by entering a positive or negative quantity.
 - Add a batch with a quantity, thus increasing the overall consumed quantity.
- For materials that require manual posting, you can adjust the consumed quantity for the selected component by entering a positive or negative quantity.

Other New Features

You can now:

- Click a serial number to navigate to transaction `IQ03` and view details of the serial number.
- Click a batch number to navigate to transaction `MSC3N` and view details of the batch.
- View the MRS designator of an assembled component and display the manufacturing reference structure hierarchy.
- View the supplier batch and manufacturer's serial number of assembled components.
- Refresh the screen without having to exit the report.
- Navigate to the Order Genealogy app.

Effects on Existing Data

When you correct as-built information, the system posts corresponding goods movements. If necessary, you can select an indicator to perform the corrections locally without posting goods movements, but this can lead to data inconsistencies. In this case, the correction is reflected neither in inventory management nor in the actual costs of the corresponding production order.

Effects on System Administration

The following actions have been introduced for assembly corrections:

- `SAP_ASSEMBLY_CORRECTION` ([Assembly Correction](#))
- `SAP_ASSEMBLY_CORRECTION_WO_GM` ([Assembly Correction \(No Goods Movements\)](#))

To make corrections to as-built information, your user must be authorized to:

- Create component assembly corrections for the order type and plant related to the production order in which the material was assembled.
This authorization is controlled by authorization object `C_MPE_ASCR` ([Component Assembly Correction](#)).
- Perform assembly and disassembly actions for the plant and object type related to the material and production order for which you want to make a correction.
This authorization is controlled by authorization object `C_SFO_ACTN` ([Shop Floor Order Execution Action](#)).

Related Information

[How to Correct As-Built Information](#)

6.3.4.2 Order Genealogy

With this app, you can analyze and track the production process at production order level. For example, you can see the order status, what components have been assembled or disassembled, which operation activities have been performed, and whether any defects have been recorded in the order. You can also see PRTs, attachments, and documents assigned to the production order, operations, or operation activities.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFA (<i>Shop Floor Analytics</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The app shows the current history of information recorded in production orders for serialized and non-serialized products. To display the current history of information recorded for serial numbers of an order, you can branch directly to the Product Genealogy app.

Related Information

[Order Genealogy](#)

6.4 Complex Assembly Project Management

6.4.1 Manage Major Assembly Projects

With this app, you have a complete overview of your major assembly projects. You can now use a range of new features to manage your major assembly projects, which are described below.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	PP-PEO-MA (Manage Major Assembly and Installation Kits)
Available As Of	SAP S/4HANA 2021

Additional Details

You can now:

- Assign an existing project to a bill of material for an end item directly in the app by choosing [Assign](#). The system then determines component demand by exploding the end item bill of material. Once the project has been linked to the end item BOM successfully, the project is listed in this app and any issues can be detected in the [Check Major Assembly Projects](#) app.
- Unassign an existing project from the end item BOM to reverse all project changes, including deletion of component demand created during the BOM explosion when the end item BOM and project were assigned.

i Note

The unassign function works only if the project has not been started yet.

6.4.2 Check Major Assembly Projects

This app now detects a network issue if BOM and network have not yet been selected for a major assembly and provides you with the option to take corrective action by assigning the BOM and network.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-MA (Manage Major Assembly and Installation Kits)
Valid as Of	SAP S/4HANA 2021

Additional Details

The app shows the error message [BOM and network not yet selected for major assembly](#) for the [Network Issues](#) issue type. On the details page of the major assembly issue, the [Assign BOM and Network](#) button allows you to

select the BOM and create or select an existing network. When creating a network, you are prompted to specify WBS element, MRP controller, and planner group.

7 R&D/Engineering

7.1 Enterprise Portfolio and Project Management

7.1.1 Project System





7.1.1.1 Project System: Small Enhancements as Part of Customer Connection 2021

Improvements in [Project System](#) are available to you in the context of the SAP Customer Connection project for Product Lifecycle Management. These improvements are based on proposals submitted by customers through the Customer Influence program.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PS (Project System)
Valid as Of	SAP S/4HANA 2021

Improvement Details

Application Component	Improvement Description	Product Features are (New/Changed)	Improvement Request ID	SAP Note
PS-IS-LOG (Logistics)	Descriptions of Certain Project Elements Available in Transaction CN47/CN47N, CN53N, and CN43N/CNS43	New	255672 	3044197 
			260035 	
			259809 	

More Information

For more information about Customer Influence, see <http://influence.sap.com> .

7.1.1.2 Project Financials Control

7.1.1.2.1 Enabling Business Partner Multiple Address Selection in Project Systems

This feature enables you to select an address from multiple delivery addresses associated with a business partner user in project systems. This feature is enabled for:

- Create, change, or display of delivery information
- Delivery from project
- Project-Oriented Procurement (ProMan)

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PS-ST (<i>Structures</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Project Builder](#)

7.1.1.3 Project Logistics Control

7.1.1.3.1 Project Schedule

This app enables you to display project and network master data and dates as a table and chart, and to analyze data of individual objects. You can adapt the display to your needs - for example, configure the chart area to view **Basic**, **Actual**, or **Forecast** timelines, or select attributes displayed for project objects in the table area. You can access detailed information of the **project definitions**, **WBS elements**, **networks**, **network activities**, **activity elements**, and **milestones** depending on your selection. From the side panels of individual objects you can navigate to the relevant object pages and applications.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PS-FIO (Project System)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can access the [Project Schedule](#) app from the Fiori launchpad directly.

Related Information

[Project Schedule](#)

7.1.2 Commercial Project Management

7.1.2.1 Project Workspace

7.1.2.1.1 Remove Team Members from a Commercial Project

With this feature, you can now choose to remove a team member from a commercial project and a team in one step. When you remove a member from a team, you can also select the [Remove Member from Project](#) checkbox to remove the team member from the project as well.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	Not applicable
Application Component	CA-CPD-WS (<i>Project Management for Commercial Projects (SAP S/4HANA)</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Assigning Roles and Teams to Members](#)

7.1.2.1.2 Overwrite Values of Characteristics


With this feature, you can now implement a business add-in (BAI) to overwrite the value of a characteristic that you use in analytical reports of commercial projects. Note that this BAI can be used only for characteristics in the following InfoAreas:

- CA-CPD: Project Cost and Revenue Planning (/CPD/PPF)
- CA-CPD: Analytics (/CPD/AVR)

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-CPD-WS (<i>Project Management for Commercial Projects (SAP S/4HANA)</i>)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

If you wish to use this feature, you must create a new implementation to suit your business needs. You can access the BAI under Customizing for *Commercial Project Management*, under **Analytics** **Business Add-Ins** **BAI: Overwrite Characteristic Value** . 

Related Information

[Embedded Analytics](#)

7.1.3 SAP Portfolio and Project Management

7.1.3.1 Project Management


7.1.3.1.1 Integration with Enterprise Product Development

This feature enables you to link existing collaborations to your project elements and view detailed information from the Project Management application. You can also navigate directly to a collaboration from the Project Management application.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PPM (Portfolio and Project Management)
Valid as Of	SAP S/4HANA 2021

More Information

Attachment [Configuration Guide for SAP Portfolio and Project Management](#) in [3077647](#) under [► Project Management: Configuration ► Project Management: Configuration ► System Connections ► Defining Integration with Enterprise Product Development](#) .

7.1.3.1.2 Field Extensibility for Project Structure Reports

With this feature you can add custom fields by choosing a business context and enable them in the user interface and reports section. You can also find the custom field with GUI usage in the [Custom Fields](#) tab for all project system GUI transactions.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PS (<i>PROJECT</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Overviews in the Information System](#)

7.2 Integrated Product Development for Discrete Industries

7.2.1 New App: Manage Multilevel Bill of Material

This app allows you to display and maintain the hierarchical tree structure of a multilevel BOM. The app also allows you to view the BOM header of the multilevel BOM followed by the nested list of components, assemblies, and material.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-MD-BOM (<i>Bills of Material</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

To use this app, you need the same authorizations as the BOM Engineer ([SAP_BR_BOM_ENGINEER](#)) business role template.

Related Information

[Manage Multilevel Bill of Material](#)

7.2.2 Configuration to Define Versioning of Bill of Material

With this feature, you can enable versioning for bills of material using the Customizing [Define Additional Control Data](#).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-MD-BOM (Bills of Material)
Valid as Of	SAP S/4HANA 2021

Related Information

[Defining Versioning for Bills of Material](#)

7.2.3 Configuration to Maintain Manual or Automatic Versioning for BOM Usage

With this feature, you can specify whether the version-controlled BOMs for a specific BOM usage to have manual or automatic versioning while creating a versioned BOM using the Customizing [Define Control Data for BOM Usage](#).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-MD-BOM (<i>Bills of Material</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Maintaining Manual or Automatic Versioning for BOM Usage](#)

7.2.4 Configuration to Maintain Mandatory Assignment of Change Record

With this feature, you can specify whether BOMs for a specific BOM usage to have mandatory assignment of change record while creating a BOM using the Customizing [Define Control Data for BOM Usage](#).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-MD-BOM (<i>Bills of Material</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Maintaining Mandatory Assignment of Change Record](#)


7.2.5 Configuring Communication Scenario SAP_COM_0150 - Bills of Material

With this feature, you can now configure the outbound communication scenario for bills of material using the [Communication Arrangement](#) tool.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-MD-BOM (Bills of Material)
Valid as Of	SAP S/4HANA 2021

Additional Details

The set-up instructions for configuring communication scenario [SAP_COM_0150](#) is available in the SAP Note [3042413](#) .

7.2.6 Configuration to Determine Expansion of Assembly Node

With this feature, you can determine the assembly nodes to be expanded for a viewable using the Business Add-In (BAI) [Settings to Determine Expansion of Assembly Nodes](#). The BAI checks if the assembly nodes and its child components are assigned to the material. If the assembly node is assigned to the material and their child components are not assigned to the material, the assembly node is not expanded. The assembly node is displayed as an instance node and you're unable to expand the assembly node.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	Not applicable
Application Component	PLM-VEP-VMP (<i>Visual Manufacturing Planner</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[BAdI to Determine Expansion of Assembly Node](#)

7.2.7 Configuration to Define Dynamic Viewing of a Viewable

With this feature, you can define the way you want to load and view the EBOM viewable of type .VDS or .VDX. As a user, you cannot find any difference in viewing of the viewable type .VDS or .VDX in the VEMP application. But you can configure the type of viewable you want to load and view the viewable.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PLM-VEP-VMP (<i>Visual Manufacturing Planner</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Defining Dynamic Viewing of a Viewable \(Monolith or Shattered\)](#)

7.2.8 Maintain Attributes of Bill of Material in VEMP

With this feature, you can enrich the target BOM with certain additional attributes or change the existing attributes to cater to the production requirements. Currently, the reconciliation checks are done based on the attributes of the component, and it depends on the item category of the BOM item.

The VEMP has been enhanced to support the mechanism of exposing and editing all the attributes including custom attributes of the BOM item. The system allows you to edit the relevant BOM item attributes based on the profiling of the item category for the BOM item.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PLM-VEP-VMP (<i>Visual Manufacturing Planner</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Maintain Attributes of Bill of Material](#)

7.2.9 Handling Manufacturing Reference Structure (MRS) in VEMP

With this feature you can perform handover of EBOM to MBOM with MRS objects, the system establishes a component mapping between the MRS hierarchy and the MBOM by tracing back to the already established component mapping between the MRS hierarchy and the EBOM.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PLM-VEP-VMP (<i>Visual Manufacturing Planner</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Handling Manufacturing Reference Structure \(MRS\) in VEMP](#)

7.2.10 Harmonized Document Management (HDM)

This feature is based on the existing attachment service solution in S/4HANA. It intends to harmonize the process of handling attachments across the leading applications that consume the attachment service. The attachment service, internally, uses functions exposed from document management frameworks such as Document Management System (DMS), Generic Object Services (GOS), and ArchiveLink. Depending on their business needs, different applications use different document frameworks to handle attachments. With the **Harmonized Document Management (HDM)** functionality, business applications can work with attachments from different document frameworks in a single user interface. By default, the DMS document framework is the recommended and primary solution in HDM; however, the GOS and ArchiveLink document frameworks are also supported.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-DMS (Document Management System)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

Business applications can choose to activate/deactivate the HDM functionality and maintain the active document frameworks and document types using the Customizing provided in the following path: ► [SAP Customizing Implementation Guide](#) ► [ABAP Platform](#) ► [Application Server](#) ► [Basis Services](#) ► [Harmonized Document Management](#) ► [Activate HDM for Attachment Object Type](#) ►.

Related Information

[Harmonized Document Management \(HDM\)](#)
[Configuration for Harmonized Document Management \[page 566\]](#)

7.2.11 Configuration for Harmonized Document Management

With this feature you can activate and configure the **Harmonized Document Management (HDM)** functionality for your business application using the [Activate HDM for Attachment Object Types](#) customizing activity.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-DMS (Document Management System)
Valid as Of	SAP S/4HANA 2021

Additional Details

Business applications can choose to activate/deactivate the HDM functionality and maintain the active document frameworks and document types using the Customizing provided in the following path: ► [SAP Customizing Implementation Guide](#) ► [ABAP Platform](#) ► [Application Server](#) ► [Basis Services](#) ► [Harmonized Document Management](#) ► [Activate HDM for Attachment Object Type](#) ►.

Related Information

[Harmonized Document Management \(HDM\)](#)

7.2.12 Collaboration on Change Proposals via BOM Redlining for Change Records

This release introduces redlining to markup existing Bill of Materials and create new BOM versions.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PLM-CR (Change Record)
Valid as Of	SAP S/4HANA 2021

Additional Details

With this feature, you can perform the following tasks:

- Propose changes directly in the system for Engineering BOM
- Easily track the proposed and accepted changes
- Update the existing components for Classic BOM or generate a new BOM version for Version BOM

Related Information

[Creating Redlines](#)

7.3 User Experience Improvements in Recipe Development

With this feature, you are able to access the following improvements in Recipe Development:

- Manage specifications, recipes, and label sets from both desktop and tablet devices
- User interface adjustments in Fiori applications for Recipe Development

Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	1QA (<i>Specification Management for Recipes</i>)
	1QC (<i>Formulation - Recipe Development</i>)
Application Component	PLM-WUI-RCP (<i>Recipe Development</i>)
Valid as Of	SAP S/4HANA 2021

7.4 Business Events for Recipe Specification Phrases

With this feature, you can use Business Events for phrases in recipe product specifications. The following types are available:

- **RecipeSpecificationPhrase**
A Recipe Specification Phrase is a standard text. Phrases can be used for value assignment of characteristic fields in the property tree, value assignment of certain input fields in screens and dialog boxes, and reports. Phrases are managed in libraries, and can group the same text in several languages.
- **RecipeSpecificationPhraseSet**
A Recipe Specification Phrase Set is a grouping of phrases for a purpose. A phrase set can include allowed and default phrases for a value assignment type. A phrase can be assigned to a number of phrase sets.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PLM-WUI-SPC (<i>Specification Management</i>)
Valid as Of	SAP S/4HANA 2021

7.5 Product Compliance

7.5.1 Foundation for Product Compliance

7.5.1.1 Regulatory Content Service for Product Compliance

With this service, you receive regular updates for phrases of SAP branded content. Translations are included with in the content delivery which happens after tests like security, integration and acceptance are completed.

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	3VR (Manage Safety Data Sheets for Products)
Application Component	EHS-SUS-FND (<i>Sustainability Foundation</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[First Step After Configuration: Activate Regulatory Content](#)
[Background Processing Jobs Update](#)
[SAP Content for Product Compliance](#)

7.5.1.2 Manage Regulatory Graphics

With this feature, you can view provided graphics content, assembled in graphics collections which are delivered in the *Classify Packaged Dangerous Goods* app. You can search through the entire graphics catalog using a wide range of filters and attach additional information, to provided graphics, for future reference.

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	Not Applicable
Application Component	EHS-SUS-FND (Sustainability Foundation)
Available As Of	SAP S/4HANA 2021

Related Information

[Graphics](#)

7.5.1.3 Manage Phrase-Enabled Fields

The [Manage Phrase-Enabled Fields](#) app features allow you to view provided phrases and the translations. You can create your own phrases, including copying from provided content, and create new translations. Additional features are the ability to easily search for phrases based on many different details and hiding phrases that you no longer want or aren't applicable.

Technical Details

Type	Changed
Functional Localization	Not Applicable
Scope Item	Not Applicable
Application Component	EHS-SUS-FND (Sustainability Foundation)
Available As Of	SAP S/4HANA 2021

Related Information

[Phrase Management](#)

7.5.1.4 Regulatory Content 2021

With this feature, new and updated content is delivered to your system. 40 new or updated compliance requirements for product marketability. 25 new compliance requirements versions for components with occupational exposure limits and 65 other updated safety data sheet-related compliance requirements. Additionally, 7 new compliance requirements for hazardous ingredients and 7 new compliance requirements for components with occupational exposure limits. There are also 8 new or updated compliance requirements for dangerous goods management.

Embedded phrases for packaged dangerous goods - notes and supplement to dangerous goods descriptions. Also updated phrases in firefighting measures, personal protection, first aid measures, and ecological information.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	31G (Chemical Compliance Approval for Purchased Material and Supplier), 31H (Assess Marketability of a Product), 31J (Chemical Compliance in Sales), 3VR (Manage Safety Data Sheets for Products), 3VQ (Safety Data Sheets in Sales), 3FC (Assess Dangerous Goods for a Product), 3G8 (Dangerous Goods Sales)
Application Component	EHS_SUS_FND (Sustainability Foundation)
Available As Of	SAP S/4HANA 2021

Related Information

[SAP Content for Product Compliance Regulatory Content Service](#)

7.5.1.5 Integration of Product Compliance Checks into Purchasing

With this feature, a supplier check, a dangerous goods check, and a safety data sheet check are now integrated into purchasing documents.

Technical Details





Type	New
Functional Localization	Not applicable
Scope Item	31J (Chemical Compliance in the Value Chain) 3G8 (Dangerous Goods in the Value Chain) 3VQ (Safety Data Sheets in the Value Chain)
Application Component	EHS-SUS-FND (<i>Foundation for Product Compliance</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

For compliance-relevant products, the system carries out compliance checks when a purchaser creates or edits a purchase document. Depending on the outcome of these checks, the system sets the corresponding status for the item. Based on the item status, the system also sets the status of the whole document in the document header. If issues arise during the checks, the system blocks the document. The following checks are integrated into purchasing documents:

- **Supplier Check**
When a purchaser creates or edits purchase order for a compliance-relevant product, the system checks the status of the supplier assessment.
- **Safety Data Sheet Check**
When a purchaser creates or edits an intercompany stock transfer order for a compliance-relevant product, the system verifies for the product:
 - Whether a safety data sheet is required.
 - Whether the relevant safety data sheet is available in the defined languages.
- **Dangerous Goods Check**
When a purchaser creates or edits an intercompany stock transfer order or a purchase order with transport responsibility for a compliance-relevant product classified as a dangerous good, the system checks whether transportation of the product is allowed, forbidden, or restricted.

Effects on Customizing

To use the integration functions, activate the following business features in Customizing under  **Product Compliance**  **Integration**  **Activate Business Features for Product Compliance** :

- For using the supplier assessment in purchasing documents, activate the *Product Compliance Supplier Integration into Value Chain* business feature.
- For using safety data sheet information, activate the *Safety Data Sheet Management Integration into Value Chain* business feature.

- For using dangerous goods classification data, activate the [Dangerous Goods Integration into Value Chain](#) business feature.

The following settings are important for using the supplier check:

- In the [Adapt Behavior of Compliance Checks in Value Chain](#) activity, the configuration expert can specify how the checks behave for specific issues, such as, if the compliance-relevant indicator is not set or the supplier assessment is still in progress. The configuration expert can specify whether the compliance checks block a document in this case or not.
The standard system is delivered without any settings. That means that the check doesn't block any documents. You can change the settings in Customizing under ► [Product Compliance](#) ► [Integration](#) ► [Adapt Behavior of Compliance Checks in Value Chain](#) ►.

Related Information

- For more information about this feature from a purchasing point of view, see [Product Compliance in Purchase Orders \[page 840\]](#).
- You can find more information about the integration of *Product Compliance* into purchasing processes in the Product Assistance for *Product Compliance*. See [Product Compliance Data in Purchasing Processes](#).

7.5.1.6 Work View of Unpackaged Products and Raw Materials

With this feature, you can get an overview of the information available in the system for a given raw material or unpackaged product. The information is organized similarly to a safety data sheet - it is grouped and sorted identically. This allows you to easily manage it and maintain it in the system.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-FND (Sustainability Foundation)
Valid as Of	SAP S/4HANA 2021

Additional Details

The apps start with default work views delivered by SAP that is independent of any country/region.

Related Information

[Raw Material - Work View](#)

[Unpackaged Product - Work View](#)

7.5.1.7 Event Processing for Components with OELs Assessments of Products and Raw Materials

With this feature, you can check the processing status of changes in the Components with OEL assessments of products and raw materials. These changes are caused by the following actions and can be traced in the [Process Product Compliance Events](#) app:

- Activating a new version of the safety data sheet compliance requirement used for the assessment.
- Activating a new version of the health and safety compliance requirement that is referenced in a safety data sheet compliance requirement used for the assessment.
- Activating a new version of the safety data sheet compliance requirement that uses a different composition than the one maintained for the product or raw material.
- Releasing a new version of the composition assigned to the product or raw material that is being assessed.
- Change in the substance used in the composition assigned to the product or raw material that is being assessed.

Each of these actions triggers an event that is processed in the background. As a result, the respective Components with OEL assessments are updated automatically.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-FND (Sustainability Foundation)
Valid as Of	SAP S/4HANA 2021

Additional Details

When a user activates a safety data sheet or a health and safety compliance requirement, the system automatically identifies the compliance assessments for which the newly activated compliance requirement version is relevant.

The system calculates the compliance assessment for each affected compliance requirement version that is assigned to the unpackaged product. The calculation of each compliance assessment is an action in the system and appears in the [Process Product Compliance Events](#) app.

Related Information

[Process Product Compliance Events](#)

7.5.1.8 Management of Toxicological Information

With this feature, you can use the relevant [Toxicological Information](#) apps to provide toxicological information for substances, products, and raw materials. This data is the prerequisite for the classification of products (substances or mixtures) based on their hazardous properties.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	31G (Chemical Compliance Approval for Purchased Material and Supplier) 31H (Assess Marketability of a Product) 31J (Chemical Compliance in the Value Chain) 3VQ (Safety Data Sheets in the Value Chain) 3VR (Manage Safety Data Sheets for Products) 3FC (Dangerous Goods in the Value Chain) 3G8 (Dangerous Goods in Sales)
Application Component	EHS-SUS-FND (Sustainability Foundation)
Valid as Of	SAP S/4HANA 2021

Related Information

[Substance - Toxicological Information](#)

[Unpackaged Product - Toxicological Information](#)

[Raw Material - Toxicological Information](#)

7.5.1.9 Management of Ecological Information

With this feature, you can edit and release ecological information of a substance, an unpackaged product and/or a raw material that you've selected in the [Manage Basic Compliance Data - Unpackaged Products](#) app, in the [Manage Substances Compliance](#) app, or the [Manage Basic Compliance data - Raw Materials](#) app. You can also use this data for the classification of products according to different hazardous substance regulations or dangerous goods regulations. This information is required in section 12 of a safety data sheet.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	3VR (Manage Safety Data Sheets for Products)
Application Component	EHS-SUS-FND (Sustainability Foundation)
Valid as Of	SAP S/4HANA 2021

Related Information

[Unpackaged Product - Ecological Information](#)

[Raw Material - Ecological Information](#)

[Substance - Ecological Information](#)

7.5.1.10 Management of Safety-Related Properties

With this feature, you can create, edit, and release safety-related properties of an unpackaged product, a substance or a raw material which you have selected in the [Manage Basic Compliance Data - Unpackaged Products](#) app, in the [Manage Substances Compliance](#) app, or the [Manage Basic Compliance data - Raw Materials](#) app. This information is required in section 9 and section 10 of a safety data sheet. You can also use this data for the classification of products according to different hazardous substances or dangerous goods regulations.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Used in scope item 3VR (Manage Safety Data Sheets for Products)
Application Component	EHS-SUS-FND (Sustainability Foundation)
Valid as Of	SAP S/4HANA 2021

Related Information

[Raw Material - Safety-Related Properties](#)
[Unpackaged Product - Safety-Related Properties](#)
[Substance - Safety-Related Properties](#)

7.5.1.11 Physical-Chemical Properties for Raw Materials

With this feature, you can edit and release physical-chemical information for raw materials in addition to the already existing physical-chemical properties for substances and unpackaged products.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Used in scope item 3VR (Manage Safety Data Sheets for Products)
Application Component	EHS-SUS-FND (Sustainability Foundation)
Valid as Of	SAP S/4HANA 2021

Additional Details

This information is required in section 9 of a safety data sheet. You can also use this data for the classification of products according to different hazardous substances or dangerous goods regulations.

Related Information

[Raw Material - Physical-Chemical Properties](#)

7.5.1.12 Management of Uses for Safety Data Sheets

With this feature, you can create, edit, and release uses of an unpackaged product that you have selected in the Manage Basic Compliance Data - Unpackaged Products app. This information is required in section 1.2 of a safety data sheet.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	3VR (Manage Safety Data Sheets for Products)
Application Component	EHS-SUS-FND (<i>Sustainability Foundation</i>)
Valid as Of	SAP S/4HANA 2021

7.5.1.13 Specifying Legal Areas for Product Compliance

Legal areas are used in product compliance to define, for example, legal compositions, legal deviations from material-based compositions, or to specify for different legal areas how to use the product. For each legal area, you can assign the country/region for which the legal area is relevant. SAP provides the standard legal area (World) representing a legal area that is generally valid.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	3VR (Manage Safety Data Sheets for Products)
Application Component	EHS-SUS-FND (Sustainability Foundation)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

You can specify legal areas and assign countries/regions to these areas in the [Specify Legal Areas for Product Compliance](#) Customizing activity under ► [Product Compliance](#) ► [Foundation for Product Compliance](#) ►.

7.5.2 Product Marketability and Chemical Compliance

7.5.2.1 Monitoring of Volumes of Substances that are Exported to a Country/Region

With this feature you can get an overview of the aggregated volumes of substances that are exported to a country/region by a legal entity in your company. The substance volume tracking functionality is now integrated with the sales/delivery process, so that it selects and preprocesses relevant material documents that result from outbound deliveries. You can monitor the tracked confirmed quantities of the exported substances for a compliance requirement in the [Monitor Substance Volumes](#) app.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4OL (Substance Volume Tracking)
Application Component	EHS-SUS-PMA (Product Marketability and Chemical Compliance)

Additional Details

You can use substance volume tracking with the delivered sample compliance requirement definitions for 43 countries/regions. You can create new versions of the sample definitions and make adjustments in the new version, such as defining additional exemptions, changing the default threshold, or changing substance lists. You can also activate and use your own compliance requirement version to track and monitor substance volumes.

Effects on Customizing

To track substance volumes from sales, you need to define a legal entity for the *Export To* scenario in Customizing under ► [Product Compliance](#) ► [Product Marketability and Chemical Compliance](#) ► [Substance Volume Tracking](#) ► [Define Legal Entities and Mappings for Legal Entities](#) ►.

You can exclude delivery document types from tracking in Customizing under ► [Product Compliance](#) ► [Integration](#) ► [Specify Excluded Document Types for Integration](#) ►.

7.5.2.2 Event-Driven Tracking of Substance Volumes

With this feature, you can get event-driven substance volume tracking that captures change events and updates the substance volumes accordingly. In addition, you can get improved determination of the relevant compliance requirement version based on its effective date.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4OL (Substance Volume Tracking)
Application Component	EHS-SUS-PMA (Product Marketability and Chemical Compliance)
Available As Of	SAP S/4HANA 2021

Additional Details

Substance volume tracking now considers the following change events in the event-driven tracking mode:

- Activation of a compliance requirement version that is relevant for tracking. The system uses it for tracking from its effective date onwards
- Released compliance assessment of a compliance view (unpackaged product or raw material) for a compliance requirement version that is relevant for substance volume tracking
- Saved compliance assessment of a substance for a compliance requirement version that is relevant for substance volume tracking
- Activation of a compliance requirement version that is relevant for substance volume tracking, with added or removed substance lists
- Activation of a compliance requirement version that is relevant for substance volume tracking, with added or removed countries/regions
- Released composition
- Changed assignment of logistics material in saved basic data of a compliance view
- Changed assignment of root listed substance in saved basic data of a substance

Related Information

[Event-Driven Tracking](#)

7.5.2.3 Enhancements in Monitoring of Substance Volumes

With this feature you can view aggregated substance volumes by product and display data for previous tracking periods. In addition, you can view the substance list to which the tracked substance is assigned.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4OL (Substance Volume Tracking)
Application Component	EHS-SUS-PMA (Product Marketability and Chemical Compliance)
Available As Of	SAP S/4HANA 2021

Additional Details

In the [Monitor Substance Volumes](#) app, the following changes are made:

- The substance volume details can be displayed in two tabs – [Substance Volumes by Month and Scenario](#) and [Substance Volumes by Product](#).
- A [Tracking Period](#) filter is added with options to display data for the current period or for the previous periods.
- A [Substance List](#) column is added in the tables with substance volumes. Substance list ID is also displayed in the substance page headers.
-

Related Information

[Monitor Substance Volumes](#)

7.5.3 Dangerous Goods Management

7.5.3.1 Enhancements in Dangerous Goods Classification for Content-Based Regulations

With this feature, new content-based compliance requirements for the *RID*, *ADN*, *ADG*, *NZS*, and *SANS* regulations are delivered. These compliance requirements contain the information provided by these dangerous goods regulations to simplify your classification process for unpackaged products.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	3FC (Assess Dangerous Goods for a Product)
Application Component	EHS-SUS-DG (Dangerous Goods Management)
Available As Of	SAP S/4HANA 2021

Additional Details

As part of the SAP content for Dangerous Goods Management, the following new content-based compliance requirements are delivered:

- **RID:** Compliance requirement with data from the *Convention concerning International Carriage by Rail (COTIF) Appendix C – Regulation concerning the international Carriage of Dangerous Goods by Rail (RID)*.
- **ADN:** Compliance requirement with data from the *European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN)* regulation.
- **ADG:** Compliance requirement with data from the *Australian Code for the Transport of Dangerous Goods by Road and Rail*.
- **NZS:** Compliance requirement with data from the *NZS New Zealand DG*.
- **SANS:** Compliance requirement with data from the *South African National Standard of Dangerous Goods*.

These compliance requirements contain detailed classification data for a UN number, such as the packing group, proper shipping name, special provisions, and labeling information.

When classifying an unpackaged product using these content-based compliance requirements, you select only the applicable data set for the UN number. The other provided classification data is filled automatically into the corresponding fields in the apps for classifying unpackaged products according to one of these dangerous goods regulations.

Related Information

You can find more information in the Product Assistance for *Product Compliance*. See:

- [Dangerous Goods Assessment](#)
- [Compliance Requirements in Dangerous Goods Management](#)

7.5.3.2 Management of Technical Names for Dangerous Goods

With this feature, you can use the [Manage Technical Names](#) app to view or change existing technical names for components of substances in unpackaged products, or provide new technical names if necessary. This app can be used, for example, to replace a company-specific technical name with a commonly accepted technical name, as required by the applicable regulation.

Technical Details

Type

New

Functional Localization	Not applicable
Scope Item	3FC (Assess Dangerous Goods for a Product)
Application Component	EHS-SUS-DG (Dangerous Goods Management)
Available As Of	SAP S/4HANA 2021

More Information

You can find more information in the Product Assistance for *Product Compliance*. See [Manage Technical Names for Substances](#)

7.5.3.3 Enhancements in Classifying Packaged Dangerous Goods

With this feature, new fields and functions have been added to the [Classify Packaged Dangerous Good](#) app and to the [Classify Dangerous Good - Packaged Product](#) apps. In addition, the compliance requirements for dangerous goods have been enhanced.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	3FC (Assess Dangerous Goods for a Product)
Application Component	EHS-SUS-DG (Dangerous Goods Management)
Available As Of	SAP S/4HANA 2021

Additional Details

With this feature, you can enter hazard notes in the [Classify Packaged Dangerous Good](#) app. In the [Classify Dangerous Good - Packaged Product](#) apps, you can enter control and emergency temperatures, add supplemental information to the dangerous good descriptions, and select labels and markings for packages and placards and markings for containers, tanks, and vehicles. In addition, you can use the [Determine Labels](#) feature to automate the labeling process.

The following features have been added or enhanced:

Enhancements in the *Classify Packaged Dangerous Good* App

- **Hazard Notes:**

With this feature, you can add hazard notes that are included in the description for documents.

Enhancements in the *Classify Dangerous Good - Packaged Product* Apps

- **Adapt Basic Classification:**

With this feature, you can adapt the existing basic dangerous goods classifications that were entered for the unpackaged product.

- **Control and Emergency Temperature:**

With this feature, you can add control and emergency temperatures if required for a product.

- **Supplemental Information for Dangerous Goods Description:**

With this feature, you can add supplemental information for the dangerous goods description for documents if required by the applicable dangerous goods regulation or by company-specific requirements.

- **Enhanced Labeling:**

Labeling, marking, and placarding are important steps in preparing a dangerous good for transportation. Labels, markings, and placards visualize hazards associated with the dangerous good and communicate information about safe handling. With this feature, you can add labeling, marking, and placarding information in the *Classify Dangerous Good - Packaged Product* app. You can select additional hazard labels as well as additional handling labels and markings for packages and for containers, tanks, and vehicles. To support you in your dangerous goods classification process, you can use the new *Determine Labels* feature. With this feature, the system determines applicable labels using specific, predefined rules, and automatically fills the labeling section with the determined labels. You can adapt the determined labels if needed.

The *Classify Dangerous Good - Packaged Product* app uses graphics that are delivered as SAP content and are managed in the *Manage Regulatory Graphics* app.

Enhancements in Compliance Requirements

- The description templates have been split into three different segments to be more flexible for printing dangerous goods data.
- The description templates have been adapted to include the following placeholders for the new fields so that this information can be printed on documents.
 - Hazard Notes: <<HAZARD_NOTES>>
 - Control Temperature: <<CONTROL_TEMPERATURE_TEXT_VALUE>>
 - Emergency Temperature: <<EMERGENCY_TEMPERATURE_TEXT_VALUE>>
 - Supplement Information: <<DG_DESCRIPTION_SUPPLEMENT>>

Effects on Existing Data

If you have already entered labels in the old fields, these labels will also be displayed in the new labeling fields.

Related Information

You can find more information in the Product Assistance for *Product Compliance*. See:

- [Dangerous Goods Assessment](#)
- [Templates for Dangerous Goods Description](#)
- [Label Determination for Dangerous Goods](#)
- [Dangerous Good - Classification Details for a Packaged Product](#)

7.5.3.4 Enhanced Dangerous Goods Check in Outbound Delivery

With this feature, an enhanced dangerous goods check runs if an outbound delivery is created from a transportation document.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	3G8 (Dangerous Goods in the Value Chain)
Application Component	EHS-SUS-DG (Dangerous Goods Management)
Available As Of	SAP S/4HANA 2021

Additional Details

When an outbound delivery is created by Transportation Management, the dangerous goods check in the outbound delivery is not only based on the departure and destination country or region, but also considers the planned freight orders that contain mode of transport information. This means that the check does not check all potentially relevant dangerous goods regulations. Instead, it checks only the affected dangerous goods regulations and modes of transport on the planned route.

Effects on Customizing

In the [Specify Excluded Document Types for Integration](#) activity, the configuration expert has to specify the documents that are **not** to be considered for checking. For the entered document types, no compliance check is carried out. All other document types are checked and, if issues arise, the system blocks the documents.

The standard system is delivered without any settings. That means that all documents containing compliance-relevant products are checked and, if issues arise, blocked. You can change the settings in Customizing under [► Product Compliance > Integration > Specify Excluded Document Types for Integration ▾](#).

7.5.3.5 Integration of Dangerous Goods Checks in Purchase Order with Transport Responsibility

With this feature, dangerous goods checks are now integrated into purchase orders with transport responsibility.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	3G8 (Dangerous Goods in the Value Chain)
Application Component	EHS-SUS-DG (Dangerous Goods Management)
Available As Of	SAP S/4HANA 2021

Additional Details

Compliance with dangerous goods regulations is an important component of product compliance to ensure the safe transportation of dangerous goods. To support your compliance with dangerous goods regulations, a dangerous goods check is now integrated into the processing of purchase orders with transport responsibility. In most purchasing documents, dangerous goods data is not required. However, in the case of transport responsibility, dangerous goods data is required on the related transport freight order. Therefore, the integration of dangerous goods checks into the purchase order with transport responsibility assures compliant transport planning and provision of required dangerous goods documents with the freight order.

If a product has been marked as relevant for compliance in the product master, the system checks dangerous goods data as the purchase order with the transport responsibility document is created or edited. If an item in the document has been classified as a dangerous good, the system also checks if all necessary dangerous goods data is available, and whether transportation of the product is allowed, forbidden, or restricted. Depending on the outcome of this check, the system issues warnings or blocks items or entire documents.

Effects on Customizing

In the *Define Transportation-Relevance of Purchasing Documents* activity, the configuration expert can specify whether purchasing documents are relevant for transportation. You can change the settings in the Customizing under ► *Transportation Management* ► *Integration* ► *Logistics Integration* ► *Internal TM Component Integration* ► *Define Transportation-Relevance of Purchasing Documents* ►.

Related Information

- For more information about this feature from a purchasing point of view, see [Product Compliance in Purchase Orders \[page 840\]](#).
- You can find more information about the integration of *Product Compliance* into purchasing processes in the Product Assistance for *Product Compliance*. See [Product Compliance Data in Transportation Processes](#)

7.5.3.6 Integration of Dangerous Goods Checks into Transportation Management

With this feature, dangerous goods checks are now integrated into transportation documents for road transport.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	3G8 (Dangerous Goods in the Value Chain)
Application Component	EHS-SUS-DG (Dangerous Goods Management)
Available As Of	SAP S/4HANA 2021

Additional Details

Compliance with dangerous goods regulations is an important component of product compliance to ensure the safe transportation of dangerous goods. To support your compliance with dangerous goods regulations,

dangerous goods checks are now integrated into the processing of the following transportation documents for road transport:

- Freight Unit
- Freight Order

If a product has been marked as relevant for compliance in the product master, the system checks dangerous goods data as the transportation document is created or edited. If an item in the document has been classified as a dangerous good, the system also checks if all necessary dangerous goods data is available, and whether transportation of the product is allowed, forbidden, or restricted. Depending on the outcome of this check, the system issues warnings, or blocks the document.

Related Information

- For more information about this feature from a transportation point of view, see [Dangerous Goods Processing Based on Product Compliance \[page 1006\]](#).
- You can find more information about the integration of *Product Compliance* into transportation processes in the Product Assistance for *Product Compliance*. See [Product Compliance Data in Transportation Processes](#)

7.5.3.7 Printing of Dangerous Goods Information on Sales Documents via Output Determination

Dangerous goods data can be printed on sales documents using [Output Determination](#) (SD-BF-OC).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	3G8 (Dangerous Goods in the Value Chain)
Application Component	EHS-SUS-DG (Dangerous Goods Management)
Available As Of	SAP S/4HANA 2021

Additional Details

When you transport a product that is classified as dangerous goods, specific information has to be printed on certain documents. What data has to be printed, as well as the formatting of the printed data, is specified in the

relevant dangerous goods regulations. For printing the dangerous goods description, Dangerous Goods Management uses predefined description templates and rules to determine the right dangerous goods description for a given document.

Dangerous goods data can be printed on the following sales documents:

- Sales order (document category C)
- Sales order without charge (document category I)
- Sales contract (document category G)
- Sales scheduling agreement (document category E)
- Scheduling agreement with an external service agent (document category F)
- Sales quotation (document category B)

Effects on Customizing

In the *Specify Output of Dangerous Goods Description* activity, the configuration expert can specify which dangerous goods descriptions are printed on which document and in which sequence. In addition, the expert can specify whether the dangerous goods regulations are printed together with their modes of transport and the transport permission on one document. You can change the settings in Customizing under ► [Product Compliance](#) ► [Dangerous Goods Management](#) ► [Specify Output of Dangerous Goods Description](#) ►.

In the *Specify Shipping Conditions for Sales Documents* activity, the configuration expert can specify the conditions of sales documents on which dangerous goods data can be printed. You can change the settings in Customizing under ► [Product Compliance](#) ► [Dangerous Goods Management](#) ► [Specify Shipping Conditions for Sales Documents](#) ►.

Related Information

- You can find more information about printing sales documents in the Product Assistance for *Sales*. See [Output Determination \(SD-BF-OC\)](#)
- You can find more information about printing dangerous goods data in the Product Assistance for *Product Compliance*. See [Output of Dangerous Goods Data on Sales Documents](#)

7.5.3.8 Provision of Dangerous Goods Data for Decentralized Systems

With this feature, dangerous goods data and safety-related data that is gathered in *Product Compliance* processes are filled in the dangerous goods master tables. This feature supports dangerous goods management in other systems, such as SAP Extended Warehouse Management systems.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-DG (Dangerous Goods Management)
Available As Of	SAP S/4HANA 2021

Effects on Data Transfer

You can use the Application Link Enabling (ALE) process to distribute the dangerous goods master tables to other SAP systems.

Effects on Customizing

To enable the filling of data from *Product Compliance* to the dangerous goods master, configure all Customizing activities under ► [Product Safety and Stewardship](#) ► [Dangerous Goods Management](#) ►.

Related Information

You can find more information about the filling of the dangerous goods master in the Product Assistance for *Product Compliance*. See [Provision of Dangerous Goods Data for Decentralized Systems](#).

7.5.4 Safety Data Sheet Management

7.5.4.1 Support of Manual Shipment of Safety Data Sheets

With this feature, the [Compliance Information - For Products](#) app shows information about the availability of safety data sheets for the different countries and regions. In addition, you can manually start the shipment process for a safety data sheet to a business partner.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	3VQ (Safety Data Sheets in the Value Chain)
Application Component	EHS-SUS-SDS (Safety Data Sheet Management)
Available As Of	SAP S/4HANA 2021

Related Information

You can find more information in the Product Assistance for *Product Compliance*. See:

- [Compliance Information - For Products](#)
- [Safety Data Sheet Shipment](#)

7.5.4.2 Management of Hazardous Ingredients Information

With this feature, you can enter information on hazardous ingredients of an unpackaged product based on the legal composition or the analytical composition. This information is needed for section 3 of a safety data sheet.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-SDS (Safety Data Sheet Management)
Valid as Of	SAP S/4HANA 2021

Additional Details

Before you manage information on hazardous ingredients for an unpackaged product, perform the following preliminary steps:

1. Create a compliance requirement of a *Policy* or *Regulation* type in the *Manage Compliance Requirements – Safety Data Sheets* app using the *Hazardous Ingredients* compliance pattern. Release the requirement for further use.
2. Activate the *Hazardous Ingredients* compliance requirement that you've created in the *Activate Compliance Requirements – Safety Data Sheets* app. During activation you can select the composition type to be used.
3. Assign the *Hazardous Ingredients* compliance requirement to a compliance purpose in the *Manage Compliance Purposes* app. You can either create a new compliance purpose or assign the compliance requirement to an existing one. Make sure that you activate the compliance purpose for further use.
4. Select the unpackaged product that has information on hazardous ingredients you want to enter in the *Manage Basic Compliance Data - Unpackaged Products* app.
5. Ensure that the compliance purpose that you've created or maintained in the *Manage Compliance Purposes* app is assigned to the selected unpackaged product.
6. Navigate to *View Compliance Assessments* for this unpackaged product and then to ► *Safety Data Sheet Assessments* ► *Safety Data Sheet: Related Assessments* ►. Select the entry for the hazardous ingredients assessment. Navigate to the *Manage Information on Hazardous Ingredients* app and add the hazardous ingredients data from the corresponding composition.
After you enter the data and verify that it's ready to be used, you can release it for use in follow-on business processes.

Related Information

[Manage Information on Hazardous Ingredients](#)

7.5.4.3 Management of Information about Accidental Release Measures

With this feature, you can add information about accidental release measures to an unpackaged product in the *Manage Accidental Release Measures* app. You can update the information to ensure that the product stays compliant. Once you have provided the accidental release measures information, you can release it for use in follow-on business processes.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-SDS (Safety Data Sheet Management)

Related Information

[Manage Accidental Release Measures](#)
[Safety Data Sheet - Related Assessments](#)

7.5.4.4 Management of Information about Components with Occupational Exposure Limits

With this feature, you can add information about components with occupational exposure limits to an unpackaged product in the [Manage Components with Occupational Exposure Limits](#) app. You can update the information to ensure that the product stays compliant. Once you have provided the components with occupational exposure limits information, you can release it for use in follow-on business processes.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-SDS (Safety Data Sheet Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Manage Compliance Requirements - Occupational Exposure Limits](#)
[Safety Data Sheet - Related Assessments](#)

7.5.4.5 Management of Information about Storage Class

With this feature, you can add storage class information to an unpackaged product in the [Manage Storage Class](#) app. You can update the information to ensure that the product stays compliant. Once you have provided the storage class information, you can release it for use in follow-on business processes.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-SDS (Safety Data Sheet Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Manage Storage Class](#)
[Safety Data Sheet - Related Assessments](#)

7.5.4.6 Management of Information about SARA Hazard Classification

With this feature, you can add SARA hazard classification information to an unpackaged product in the [Manage SARA Hazard Classification](#) app. You can update the information to ensure that the product stays compliant. Once you have provided the SARA hazard classification information, you can release it for use in follow-on business processes.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	Not applicable
Application Component	EHS-SUS-SDS (Safety Data Sheet Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Manage Components with Occupational Exposure Limits](#)
[Safety Data Sheet - Related Assessments](#)

7.5.4.7 Contact Data for Safety Data Sheets

With this feature, you can enter and edit address data as well as the emergency phone number for safety data sheets. In addition you can also enter a logo that has been selected from the [Manage Logo](#) app. This information is required in section 1.3 of a safety data sheet and can also be used for the cover sheet when shipping safety data sheets.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	3VQ Safety Data Sheets in the Value Chain
Application Component	EHS-SUS-SDS (Safety Data Sheet Management)
Valid as Of	SAP S/4HANA 2021

7.5.4.8 Deprecation of CDS View for Safety Data Sheet Shipment Request

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	3VQ (Safety Data Sheets in the Value Chain)
Application Component	EHS-SUS-SDS (Safety Data Sheet Management)
Valid as Of	SAP S/4HANA 2021

Additional Details

i Note

This CDS view was deprecated with SAP S/4HANA Cloud 2021.

SAP may make the CDS view unusable, usually no earlier than one year after the deprecation. For more information, see [Deprecated and Decommissioned CDS Views](#).

We recommend that you switch to the following successor CDS view as soon as possible:
[C_SFTYDATASHTOUTPREQFDP_2: Safety Data Sheet Shipment Request Version 2](#).

Related Information

7.5.4.9 Data Management for Safety Data Sheet Contact Data

With this feature, you can use the new data destruction object EHSDS_CNTCT_ADR and end of purpose check EHSDS_CNTCT to determine whether business partner master data is still used as safety data sheet contacts or can be blocked.

Technical Details

Type	New
------	-----

Functional Localization	Not applicable
Scope Item	3VQ (Safety Data Sheets in the Value Chain)
Application Component	EHS-SUS-SDS (Safety Data Sheet Management)
Valid as Of	SAP S/4HANA 2021

7.6 Change Impact Analysis for Change Record

Change Impact Analysis enables you to identify the objects affected by an engineering change and evaluate the potential impact of the change. Using this feature, you can perform impact analysis (where used) without using Production Engineering and Operations (PEO) and make change decisions more quickly.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PLM-CR (Change Record)
Valid as Of	SAP S/4HANA 2021

Additional Details

With this feature, you can perform the following tasks:

- Setup multiple impact analysis scenarios to the business needs
- Configure conditions based on which the system will mark objects as impacted
- Have an overview on all impacted objects in a table
- Visualize impacted objects and their relations via impact graph
- View details of each object directly from the impact graph
- Navigate to the objects with ease
- Assign impacted objects to a change record

Effects on Customizing

To make the relevant settings, see the Customizing activity [Define Default Impact Scenario](#) in [Define Engineering Change Record Types](#) under [Logistics - General](#) > [Product Lifecycle Management \(PLM\)](#) > [Change Record](#) > [Settings for Engineering Changes](#).

Related Information

[Using Impact Analysis](#)

7.7 Efficient Structuring of Product Changes in Change Record

This release introduces change record hierarchies for an efficient modelling of the logical units of a change request.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PLM-CR (Change Record)
Valid as Of	SAP S/4HANA 2021

Additional Details

With this feature, you can perform the following tasks:

- Merge multiple change records into a new or an existing record; thereby integrate the fragmented change requests.
- Split the change items of a record into a new or an existing change record and enable an easy re-modelling.
- Assign multiple change masters to the change items in a change record.

Effects on Customizing

To make the relevant settings, see the Customizing activity [Merge/Split Statuses](#) in [Define Engineering Change Record Types](#) under [Logistics - General](#) > [Product Lifecycle Management \(PLM\)](#) > [Change Record](#) > [Settings for Engineering Changes](#).

Related Information

[Merging Change Records](#)
[Splitting a Change Record](#)

7.8 Enhancements in Solution Documentation and User Experience for Change Record

The change record application has been enhanced to provide several solution documentation and user experience features. This release introduces the following capabilities:

- Visualization of the change record status changes and the digital signature status changes of a change record in an integrated timeline
- Option to add comments for the change items
- Graphical tracking of change record statuses based on the configuration
- Dynamic adoption of the change record fields based on the status
- New visual representation for process routes

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PLM-CR (Change Record)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

To make the relevant settings, see the Customizing activities under ► [Logistics - General](#) ► [Product Lifecycle Management \(PLM\)](#) ► [Change Record](#) ►.

Related Information

[Working with Change Records](#)

8 Sales

8.1 Order and Contract Management

8.1.1 Sales Master Data Management

8.1.1.1 Additional Responsibility Definitions Available for Sales

In the [Manage Teams and Responsibilities](#) app, the following three responsibility definitions are now available for the team category "sales":

- Customer price group
- Price list type
- Sales district

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1NJ (Responsibility Management)
Application Component	SD-SLS (Sales)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can maintain responsibility definitions to define a team's responsibility context. For example, you can define that a team is responsible for sales district 01. This ensures that team members are authorized to perform predefined functions related to sales district 01.

Related Information

[Manage Teams and Responsibilities](#)


8.1.1.2 OData API: Incoterm - Read (A2X)

With the inbound synchronous service [Incoterm - Read \(A2X\)](#), you can now retrieve incoterms data such as incoterms and incoterm versions.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	SD-MD (Master Data)
Available As Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com> .

Related Information

[Incoterm - Read \(A2X\)](#)


8.1.1.3 OData API: Sales Area - Read (A2X)

With the inbound synchronous service [Sales Area - Read \(A2X\)](#), you can now retrieve sales area information such as the sales organization, distribution channel, and division.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	SD-MD-MM (<i>Material Maintenance</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com> ).

Related Information

[Sales Area - Read \(A2X\)](#)

8.1.1.4 Apps Renamed in Sales Master Data Management

Some apps in Sales Master Data Management have been renamed.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	SD-MD (<i>Master Data</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The following table lists the apps that have been renamed.

App Name (New)	App Name (Old)
Create Sales Item Proposals	Create Item Proposal
Display Sales Item Proposals	Display Item Proposal
Change Sales Item Proposals	Change Item Proposal
Create Material Listings and Exclusions	Create Material Listing/Exclusion
Create Material Listings and Exclusions with Reference	Reference Material Listing/Exclusion
Display Material Listings and Exclusions	Display Material Listing/Exclusion
Change Material Listings and Exclusions	Change Material Listing/Exclusion
Create Material Determination Records	Create Material Determination
Create Material Determination Records with Reference	Create Material Determination with Reference
Display Material Determination Records	Display Material Determination
Change Material Determination Records	Change Material Determination

8.1.2 Price Management

8.1.2.1 Condition Purposes in Business Documents

With this feature, you can identify a price condition that represents a specific business purpose in a business document.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SD-BF-PR (<i>Pricing and Conditions</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

By assigning the condition purpose identifier (ID) to a condition type, or a combination of pricing procedure and condition type, you can use this condition purpose ID as a reference that can be used in application coding.

Effects on Customizing

You define the condition purposes and assign them to condition types in Customizing as follows:

- Pricing: under ► [Sales and Distribution](#) ► [Basic Functions](#) ► [Pricing](#) ► [Condition Purposes in Pricing](#) ►
- Omnichannel sales promotions: ► [Sales and Distribution](#) ► [Basic Functions](#) ► [Omnichannel Sales Promotions](#) ►

Related Information

[Condition Purpose](#)

[Omnichannel Sales Promotions in Sales Orders \[page 631\]](#)

8.1.2.2 Define Price Maintenance Scenarios

You can define price maintenance scenarios to control whether price conditions can be maintained in business documents.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SD-MD-CM (Conditions)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

You can define price maintenance scenarios in Customizing under ► [Sales and Distribution](#) ► [Basic Functions](#) ► [Pricing](#) ► [Price Maintenance](#) ► [Define Price Maintenance Scenarios](#) ►. For more information, see the documentation of the Customizing activity.

8.1.2.3 Manage Prices – Sales

You can now use the app to do the following:

- View details of your condition record imports, including time, status, and relevant follow-up actions
- Define upper and lower limits for condition amounts in condition records
For condition supplements, you can define the upper and lower limits by data import.
- Display and maintain the additional fields
- Export field descriptions to spreadsheets

In addition, a data clearing job is scheduled every three months to delete your temporary data about the import history, including import logs, imported spreadsheet files, and errors in data import.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	SD-MD-CM (Conditions)
Valid as Of	SAP S/4HANA 2021

Additional Details

With this app, you can now display and maintain the following new fields:

- Payment terms: The key that composes of cash discount percentage and payment periods
- Fixed value date: Specifies the date on which the terms of payment related to the sales document become effective.
- Additional value days: Specifies the number of days between the billing date and the date on which the terms of payment for the sales document become effective.
- Condition description: Description of a condition record or a condition supplement

The app now offers another data export option that allows you to export not only field IDs but also field descriptions to spreadsheets to facilitate your understanding of the exported fields. Please be noted that this

export option could take more time due to the increased data volume. Also, exporting descriptions of custom fields is not possible.

Related Information

[Manage Prices - Sales](#)

[Define Upper and Lower Limits for Condition Amounts \[page 608\]](#)

8.1.2.4 Define Upper and Lower Limits for Condition Amounts

With the [Manage Prices – Sales](#) app and the OData API [Condition Record for Pricing in Sales](#), you can now define upper and lower limits for condition amounts in condition records. The lower and upper limits are used to restrict the manual changes to condition amounts in the sales documents. With the specified upper or lower limit or both, any manually entered condition amount beyond the specified range in the sales documents would be prevented with an error. Additionally, the upper and lower limits of a condition record can also be replicated to external systems by using the SOAP API [Condition Record for Pricing in Sales – Replicate](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	SD-MD-CM (Conditions)
Valid as Of	SAP S/4HANA 2021

Additional Details

The mentioned APIs are available on the SAP API Business Hub (<https://api.sap.com>).

Related Information

[Upper and Lower Limits](#)

[Manage Prices - Sales](#)
[Condition Record for Pricing in Sales](#)
[Condition Record for Pricing in Sales - Replicate](#)

8.1.2.5 OData API: *Condition Record for Pricing in Sales*

This synchronous, inbound OData service has been enhanced with the following:

- Added new entities for condition record description and condition supplement description
Note that the *Condition Supplement Descriptions* entity cannot be created as part of a *deep insert* request, meaning that it cannot be nested in any other entities in the request body. You can only use the entity to create descriptions for existing condition supplements.
- Define upper and lower limits for condition amounts in condition records and condition supplements

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	SD-MD-CM (<i>Conditions</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com/> .

Related Information

[Condition Record for Pricing in Sales](#)
[Define Upper and Lower Limits for Condition Amounts \[page 608\]](#)

8.1.2.6 SOAP API: *Condition Record for Pricing in Sales – Replicate*

This asynchronous, outbound SOAP service has been enhanced with the following:

- New nodes for condition record description and condition supplement description
- Upper and lower limits of condition amounts enabled for replication

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	SD-MD-CM (<i>Conditions</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com/>)

Related Information

[Condition Record for Pricing in Sales - Replicate](#)

[Define Upper and Lower Limits for Condition Amounts \[page 608\]](#)

8.1.2.7 OData API: *Condition Type for Pricing in Sales – Read*

This synchronous, inbound OData service has the following enhancements:

- Added new fields to the entity for condition types
- Added the new entity for condition functions

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	SD-MD-CM (Conditions)
Valid as Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com/> )

Related Information

[Condition Type for Pricing in Sales – Read](#)

8.1.2.8 OData API: *Field Catalog for Pricing in Sales – Read*

You can now use the synchronous, inbound OData service *Field Catalog for Pricing in Sales – Read* to read the field catalog, that is, a list of supported fields that can be used to represent sales-price-relevant business attributes. You can query each entity in this service to retrieve the fields and their descriptions.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	SD-MD-CM (Conditions)
Valid as Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com/>)

Related Information

[Field Catalog for Pricing in Sales – Read](#)

8.1.2.9 **OData API:** *Condition Table for Pricing in Sales – Read*

You can now use the synchronous, inbound OData service *Condition Table for Pricing in Sales – Read* to read condition tables and the fields that are included in the condition tables. You can query each entity in this service to retrieve the corresponding data.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	SD–MD–CM (<i>Conditions</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com/>)

Related Information

[Condition Table for Pricing in Sales – Read](#)

8.1.2.10 OData API: *Access Sequence for Pricing in Sales – Read*

You can now use the synchronous, inbound OData service *Access Sequence for Pricing in Sales – Read* to read data about access sequences used for pricing in sales. The service contains entities that correspond to access sequence IDs, access sequence descriptions, all the accesses within an access sequence, and the fields that an access contains. You can query each entity in this service to retrieve the corresponding data.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	SD-MD-CM (<i>Conditions</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com/>)

Related Information

[Access Sequence for Pricing in Sales – Read](#)

8.1.2.11 OData API: *Condition Exclusion for Pricing in Sales – Read*

You can use the synchronous, inbound OData service *Condition Exclusion for Pricing in Sales – Read* to read data about condition exclusion. Condition exclusion is used to determine the best price for customers. You can query the entities to retrieve the corresponding data used to define the condition exclusion, including condition exclusion groups, the selected condition types, and the assignments of condition exclusion groups to a pricing procedure.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	SD-MD-CM (Conditions)
Valid as Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com/> )

Related Information

[Condition Exclusion for Pricing in Sales – Read](#)

8.1.2.12 *Sales Pricing Condition Record Events*

With this feature, subscribers of the *Sales Pricing Condition Record Events* can now consume detailed change events for condition records for pricing in sales. Subscribers can be notified whenever the validity period, condition amount, or condition percentage of a condition record in your system is changed. In previous releases, the subscribers can only be notified whenever a condition record is changed in general, without knowing what exactly has changed.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	SD-MD-CM (Conditions)

Additional Details

The events are published on the SAP API Business Hub (<https://api.sap.com/>).

Related Information

[Sales Pricing Condition Record Events](#)

8.1.2.13 Display Condition Records for Pricing in Archived Sales Orders and Billing Documents

With this feature, you can now display the underlying condition records for the item-level price conditions in archived sales orders and archived billing documents.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SD-MD-CM (Conditions)
Valid as Of	SAP S/4HANA 2021

Related Information

[Display Function for Archived Condition Records](#)

8.1.2.14 CDS View: *Pricing Condition Type*

The CDS view *Pricing Condition Type* (I_PricingConditionType) has the following enhancements:

- New fields added
- Associated with the text view *Pricing Condition Type - Text* (I_PricingConditionTypeText)

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SD-MD-CM (<i>Conditions</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following fields were added:

- Manual entries indicator (CndnManualEntries)
An indicator that controls the priority within a condition type between a condition entered manually and a condition automatically determined by the system.
- Header condition (CndnAppliesHeader)
- Item condition (CndnAppliesItems)
- Condition category (ConditionCategory)

Related Information

[Pricing Condition Type](#)
[CDS Views](#)

8.1.3 Sales Quotation Management

8.1.3.1 OData API: Sales Quotation (A2X)

The [Sales Quotation \(A2X\)](#) API has been enhanced with new fields on document header and item level:

- Tax classification fields
You can now pass product tax classifications and customer tax classifications to override the tax classifications retrieved from the customer and product master records.
- Unit fields
Besides the language-dependent code, you can now use the SAP code or the ISO code for units of measurement.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BDG (Sales Quotation)
Application Component	SD-SLS-QUT (Sales Inquiries / Sales Quotations)
Available As Of	SAP S/4HANA 2021

Additional Details


The following table lists the tax classification fields:

New Field	In Entity
<ul style="list-style-type: none">• CustomerTaxClassification1• CustomerTaxClassification2• CustomerTaxClassification3• CustomerTaxClassification4• CustomerTaxClassification5• CustomerTaxClassification6• CustomerTaxClassification7• CustomerTaxClassification8• CustomerTaxClassification9	Sales Quotation Header
<ul style="list-style-type: none">• ProductTaxClassification1	Sales Quotation Item

New Field	In Entity
<ul style="list-style-type: none"> ProductTaxClassification2 ProductTaxClassification3 ProductTaxClassification4 ProductTaxClassification5 ProductTaxClassification6 ProductTaxClassification7 ProductTaxClassification8 ProductTaxClassification9 	

The following table lists the unit fields:

New Field	In Entity
ConditionQuantitySAPUnit	<i>Header Pricing Element, Item Pricing Element</i>
ConditionQuantityISOUnit	
RequestedQuantitySAPUnit	<i>Sales Quotation Item</i>
RequestedQuantityISOUnit	
ItemVolumeSAPUnit	
ItemVolumeISOUnit	
ItemWeightSAPUnit	
ItemWeightISOUnit	

This API is available on the SAP API Business Hub (<https://api.sap.com> )

Related Information

[Sales Quotation \(A2X\)](#)

8.1.3.2 Apps Renamed in Sales Quotation Management

Some apps in Sales Quotation Management have been renamed.

Technical Details

Type	Changed
------	---------

Functional Localization	Not applicable
Scope Item	1IQ (Sales Inquiry), BDG (Sales Quotation)
Application Component	SD-SLS-QUT (Sales Inquiries / Quotations)
Available As Of	SAP S/4HANA 2021

Additional Details

The following table lists the apps that have been renamed.

App Name (New)	App Name (Old)
Display Sales Inquiries	Display Inquiry
Display Sales Quotations	Display Quotation

8.1.4 Solution Quotation Management

8.1.4.1 OData API: [Solution Quotation \(A2X\)](#)

With this feature, new fields have been added to the [Solution Quotation \(A2X\)](#) OData API (`API_BUS_SOLUTION_QUOTATION`). You can use the new fields for subscription related items to read the date and extension period of auto renewal and the recurring charge. You can use the new field for item price elements to read and specify the variant condition key for variant prices of subscription related items.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4Q5 (Solution Quotation)
Application Component	CRM-S4-SOL-SQ (S4CRM: Solution Quotation Management)
Valid as Of	SAP S/4HANA 2021

Additional Details

If you need to create an incident regarding this feature, use component CRM-S4-SOM ([S4CRM: Subscription Order Management](#)).

To use subscription related items, your system must support [Subscription Order Management](#).

The following fields have been added to the API:

Name	Property	Necessity	Description
A_BusSolnQtanSubscrpnItem			
Recurring Charge	SrvcdocitmrecrrgchrgNetAmt	Read-only	Recurring charge net amount
	SrvcdocitmrecrrgchrgGrossAmt	Read-only	Recurring charge gross amount
	SrvcdocitmrecrrgchrgTaxAmount	Read-only	Recurring charge tax amount
	SrvcdocitmrecrrgchrgDuration	Read-only	Recurring charge duration
	SrvcdocitmrecrrgchrgDurationUnit	Read-only	Recurring charge duration unit
Renewal/Autorenewal	SbscrpnContritmRnwldtetime	Read-only	Auto renewal extension date
	SbscrpnContrArnwlsttrtdurn	Read-only	Auto renewal extension start duration
	SbscrpnContrArnwlsttrtdurnUnit	Read-only	Auto renewal extension start duration unit
A_BusSolnQtanItmPriceElement			
Variant Price	VariantCondition	Optional	Variant condition key

Related Information

[Solution Quotation \(A2X\)](#)

[Subscription Related Item](#)

[Item Price Element](#)

8.1.5 Sales Contract Management

8.1.5.1 Down Payment Processing for Sales Contracts

With this release, facilitated by the milestone billing plan, you can enable down payment processing for sales quantity contracts.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	I9I (Sales Contract Management)
Application Component	SD-SLS-OA-CCO (<i>Customer Contracts</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

For the sales quantity contract, down payments can be requested via a billing plan. Upon release order creation, delivery blocks are assigned to schedule lines in the release order. Once the down payments are received, the delivery blocks are removed automatically. In the delivery-related final invoice of the release order, the received down payments for the quantity contract are deducted.

For more information about this business process, see scope item I9I in [SAP Best Practices Explorer](#).

Related Information

[Down Payment Processing for Sales Contracts](#)

[Delivery Block Removal for Sales Contracts in Down Payment Processing](#)

8.1.5.2 SOAP API: *Delivery Schedule of Sales Scheduling Agreement - Receive, Update (B2B)*


You can use SOAP API *Delivery Schedule of Sales Scheduling Agreement - Receive, Update (B2B)* to receive and update delivery schedules of sales scheduling agreements. With this release, the system can identify whether the cumulative received quantity is provided or not. If you provide a numeric value for cumulative received

quantity (*CmiQtyReceived*), the system uses the provided value directly. Otherwise, the system executes automatic quantity update.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	3NR (Sales Scheduling Agreements)
Application Component	SD-SLS-OA-SCH (<i>Customer Scheduling Agreement</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com/Information>). If you need to create an incident regarding this feature, use component SD-SLS-EDI (*S/4HANA: Sales EDI Messages*).

Related Information

[Delivery Schedule of Sales Scheduling Agreement - Receive, Update \(B2B\)](#)

8.1.5.3 Automatic Reprocessing of EDI Messages for Sales Scheduling Agreements

You can use SOAP API [Delivery Schedule of Sales Scheduling Agreement - Receive, Update \(B2B\)](#) to receive and update delivery schedules of sales scheduling agreements, and SOAP API [Consignment Issue for Sales Scheduling Agreement - Create \(B2B\)](#) to create consignment issue for sales scheduling agreements. Previously, if the processing of EDI messages for sales scheduling agreements failed, it had to be manually reprocessed in the transaction [Monitoring and Error Handling](#) (/AIF/ERR) or the [Message Dashboard](#) app. With this release, the system automatically reprocesses the EDI messages that are locked by certain errors.


Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	3NR (Sales Scheduling Agreements), 4LZ (Sales Scheduling Agreement with Consignment)
Application Component	SD-SLS-OA-SCH (<i>Customer Scheduling Agreement</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

Only when the EDI messages are locked by the following errors can they be reprocessed automatically:

- The old delivery schedule number is not identical with the current delivery schedule.
- There is no forecast delivery schedule in the sales scheduling agreement.
- The sales scheduling agreement is currently being processed by another user.

The interface *Consignment Issue for Sales Scheduling Agreement - Create (B2B)* and *Delivery Schedule of Sales Scheduling Agreement - Receive, Update (B2B)* are available on the SAP API Business Hub (<http://https://api.sap.com/>) . If you need to create an incident regarding this feature, use component SD-SLS-EDI (S/4HANA: Sales EDI Messages).

Related Information

[Consignment Issue for Sales Scheduling Agreement - Create \(B2B\)](#)
[Delivery Schedule of Sales Scheduling Agreement - Receive, Update \(B2B\)](#)

8.1.5.4 OData API: *Sales Scheduling Agreement (A2X)*


You can use OData API *Sales Scheduling Agreement (A2X)* to read sales scheduling agreements, as well as create, update and delete sales scheduling agreement headers and items. With this release, you can now call the `CreateCorrectionDelivery` function import to create correction deliveries for sales scheduling agreements.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	3NR (Sales Scheduling Agreements)
Application Component	SD-SLS-OA-SCH (<i>Customer Scheduling Agreement</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

When you create a correction delivery for a sales scheduling agreement item, the cumulative quantities are re-calculated and updated. To create a correction delivery, you use the HTTP method `POST` to call the `CreateCorrectionDelivery` function import.

This API is available on the SAP API Business Hub (<https://api.sap.com/> .

Related Information

[Create Correction Delivery](#)
[Sales Scheduling Agreement \(A2X\)](#)

8.1.5.5 BAdI for Sales Scheduling Agreements

With the Business Add-In (BAdI) `SD_EDI_INB_SEARCH_SA_CSGNMT`, you can now implement your own custom logic that searches for sales scheduling agreements with consignment processing (document type `LK`) in EDI processing.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4LZ (Sales Scheduling Agreement with Consignment)

Application Component	SD-SLS-EXT (Sales Extensibility)
Available As Of	SAP S/4HANA 2021

Additional Details

In the [Custom Logic](#) app, you can implement custom logic for BAdI [Search for Sales Scheduling Agreements with Consignment Processing in EDI Processing](#) in business contexts [Sales: Sales Document](#) and [Sales: Sales Document Item](#).

Related Information

[Extensibility: Consignment Issue for Sales Scheduling Agreement - Create \(B2B\)](#)

8.1.5.6 International Trade in Global Trade Management

This feature enables you to perform compliance checks in international trade transactions to ensure compliance with regulatory requirements when importing or exporting goods. International trade helps you better manage trade operations, ensure ongoing trade compliance, and optimize the cross-border supply chain.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-GT-TC (Trading Contract)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

To use international trade in Global Trade Management, you need to activate trade compliance per trading contract type in Customizing under [Logistics – General](#) [Global Trade Management](#) [Trading Contract](#)

[Define Trading Contract Types](#) ➤ The Customizing for international trade can be found under ►► [Governance, Risk and Compliance](#) ► [International Trade](#) ➤.

Related Information

[Working with SAP S/4HANA for International Trade](#)
[International Trade](#)

8.1.6 Sales Order Management and Processing

8.1.6.1 Process Sales Orders

With this app, your internal sales representative can create sales orders containing basic information in a fast and easy way. You can open the app using the [Create Sales Orders](#) tile or from within the [Manage Sales Orders](#) app. It is not meant to replace the [Create Sales Orders - VA01](#) app.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	SD-SLS (Sales)
Valid as Of	SAP S/4HANA 2021

Effects on Configuration

Your configuration expert must assign sales order types in order to use the [Process Sales Orders](#) app. Your configuration expert can do so in Customizing under ►► [Sales and Distribution](#) ► [Sales](#) ► [App-Specific Settings](#) ► [Process Sales Orders](#) ➤.

Related Information

[Process Sales Orders](#)

[App Implementation: Process Sales Orders](#)

8.1.6.2 *Mass Change of Sales Documents*

Profit center is now available as a filter attribute on the item-level for all sales document categories. You can also change the profit center on the item-level.

Two new sales document categories, sales quotations and sales orders without charge, have been added to the *Mass Change of Sales Documents* app.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BKK (Sales Order Fulfillment Monitoring and Operations)
Application Component	SD-SLS-MCC (<i>Mass Change of Sales Documents</i>)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

You can define settings for parallel processing for the *Mass Change of Sales Documents* app in Customizing under ► [Sales and Distribution](#) ► [Sales](#) ► [App-Specific Settings](#) ► [Apps for Sales Documents](#) ► [Mass Change of Sales Documents](#) ► [Define Parallel Processing for Mass Change of Sales Documents](#) ►.

Related Information

[Mass Change of Sales Documents](#)

8.1.6.3 Import Sales Orders

With this app, you as an internal sales representative can create sales orders from an XLSX spreadsheet file. We recommend that you download a standard template before importing sales orders. This template provides a list of sales order fields that are either required or optional for importing sales orders.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	SD-SLS-IMP-SPR (<i>Sales Document Import from Spreadsheet</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Import Sales Orders](#)

8.1.6.4 Create Sales Orders - Automatic Extraction

With this app, you as an internal sales representative can create sales orders from purchase order files in PDF or image formats (unstructured data). After a file is uploaded, the system automatically extracts file information into a sales order request and proposes values for sales order request fields (for example, by determining the sold-to party based on extracted data). You can later convert the sales order request into a sales order.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4X9 (Create Sales Orders from Unstructured Data)

Application Component	SD-SLS-IMP-DOX (Sales Document Creation Based on Unstructured Data)
Available As Of	SAP S/4HANA 2021

Additional Details

Key users can change system processing rules in the [Create Sales Orders - Automatic Extraction](#) app by performing the following:

- Key users can define whether the ship-to party is required for creating sales orders in the Customizing activity [Adapt Settings by Company Code](#) under [Sales](#) [Sales and Distribution](#) [Sales Document Requests](#) [Create Sales Orders - Automatic Extraction App](#).
- Key users can override SAP predelivered rules on data proposal for sales order request fields by implementing custom logic for the following Business Add-In (BAI) in the [Custom Logic](#) app:

BAI Name	Business Context	Business Use
Custom Proposal for Sales OrderRequest Fields	Sales: Sales Order Request	Overwrite changeable sales order request fields based on your custom proposal rules in the Create Sales Orders - Automatic Extraction app.

Note

Changeable fields include the header and item fields that can be changed when you edit a sales order request.

Related Information

[Create Sales Orders - Automatic Extraction](#)
[App Extensibility: Custom Proposal for Sales Order Request Fields \(BAI\)](#)

8.1.6.5 Approval Workflows for Sales Documents

Approval workflows for sales documents has changed.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock) and others
Application Component	SD-SLS (Sales)
Available As Of	SAP S/4HANA 2021

Additional Details

The approval workflows have been enhanced as follows:

- You can withdraw the approval request in the [Process Sales Orders](#) app if your sales order is relevant for approvals and the approver hasn't yet released or rejected the approval request or sent the sales order back for rework.
- In the [My Inbox](#) task list, you can display additional columns for sales orders and sales orders without charge.
- You can make changes to a document that has already been approved. If the sales document is still relevant for approvals after the change, it reenters the approval workflow.
- In order to avoid situations where users could approve their own approval requests, you are advised not to assign the same user as both the approval requester and approver.

Effects on System Administration

Note that with the introduction of one of these features (approval by requester), the approval workflows were changed. If you have implemented approval workflows before and want to use this feature, you must use the latest workflow version.

If you have any draft workflows that aren't active yet, simply call them up in the [Manage Sales Document Workflows](#) app and use the provided option to upgrade your workflows.

For any active workflows, call up these workflows in the [Manage Sales Document Workflows](#) app, create a copy, activate this copy, and deactivate your old workflows. This will assure that the latest workflow version is used.

Related Information

[Approval Workflows for Sales Documents](#)
[Approval Statuses and Authorizations](#)
[Troubleshooting](#)

8.1.6.6 Last Mile Distribution in Sales Documents

You can now use the following features related to Last Mile Distribution (LMD) in sales documents:

- You can create load requests.
- You can use intelligent product proposals.
- The system automatically adapts the delivery date to reflect the LMD visit list.
- The system preserves the information about the originally scheduled delivery date.
- The item contains the resource name, a route stock identifier.
- You can indicate the reason why a customer wants to return some of the products.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SD-SLS (Sales)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

For more information about any necessary settings in Customizing and the related business functions, see the related information.

Related Information

[Last Mile Distribution in Sales Documents](#)
[Integration with Sales](#)
[Route Stock Management for Van Sales](#)

8.1.6.7 Omnichannel Sales Promotions in Sales Orders

SAP Omnichannel Sales Promotions is a solution that lets you integrate SAP S/4HANA with SAP Omnichannel Promotion Pricing to use omnichannel sales promotions in your sales orders. You can use these promotions to grant your customers rewards. In SAP Omnichannel Promotion Pricing, you can set up promotional rules to

define promotions, for example, for a specific time frame or product. When a sales order meets these criteria, the system automatically adds discounts or free goods as defined. You can also trigger the determination in the sales order manually.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SD-SLS (Sales)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

For more information, see [Setting Up Omnichannel Sales Promotions](#).

Related Information

[Omnichannel Sales Promotions in Sales Orders](#)

[Omnichannel Sales Promotions](#)

[Condition Purposes in Business Documents \[page 605\]](#)

8.1.6.8 Related Objects of SD Documents

You can use related objects to record relationships between your document and other objects, in the same system or different ones. A related object has a broader scope than, for example, a preceding document or a subsequent document. It could be another document that is associated with this document in some way, but it could also be, for example, a dispute case related to this document. The reference is stable, meaning that it is not deleted automatically, for example, at contract determination.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	SD-SLS-API (SD API Interface)
Available As Of	SAP S/4HANA 2021

Additional Details

You can create, read, or delete information for related objects for both header and item using the `RelatedObject` entities or nodes of the following APIs for sales orders:

- [Sales Order \(A2X\)](#)
- [Sales Order \(A2A\)](#)
- [Sales Order - Replicate \(A2A\)](#)

Effects on Customizing

Your configuration expert must define types of related objects in the following Customizing activity: [Sales and Distribution](#) > [Basic Functions](#) > [Related Objects of SD Documents](#) > [Define Types of Related Objects of SD Documents](#).

Related Information

[Related Objects of SD Documents](#)

8.1.6.9 Additional Way of Processing Bills of Material (BOMs) for Sales Documents Possible

You can now use a new field to set up an additional way of processing BOMs (also known as sales kits) for sales documents. This field lets you propagate the profitability segment from the BOM main item to the subitems, so that information about both costs and revenue is passed on to financial accounting within the same profitability segment. Financial reporting is then carried out on the main item of the BOM.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	31Q (Sales Order Processing for Sales Kits)
Application Component	SD-SLS (Sales)
Available As Of	SAP S/4HANA 2021

Additional Details

You would usually use such a way of processing BOMs for products whose components can be sold both in a bundle and separately. The product is usually not assembled, and the price is paid for the bundle. For such a product, pricing and relevance for logistics would not be on the same BOM level. For example, the price would be determined on the main item level of the BOM, whereas the subitems are the part that's relevant for logistics (they contain information about which goods are in stock and the goods issue posting in the delivery is also done on subitem level).

You can find the field described above (*Propagate Prof. Sgmt.*) in Customizing for [Sales and Distribution](#) under [Sales](#) > [Sales Documents](#) > [Sales Document Item](#) > [Define Item Categories](#) . In the details of an entry, check the section for bills of material and configuration.

Related Information

[Bills of Material in Sales Documents](#)

8.1.6.10 Integration of SAP Global Trade Services in Sales Documents for Compliance Check

The integration of trade compliance check in SAP Global Trade Services (SAP GTS) with sales processing in SAP S/4HANA is enhanced for sales orders, sales orders without charge, and sales scheduling agreements. You can now see the statuses of SAP GTS trade compliance checks in the sales documents, including the legal control status, embargo status, and screening status both on header and item level. Integration with SAP GTS can help companies improve global trade efficiency, ensure regulatory compliance, and accelerate cross-broader supply chain process.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock), BDA (Free of Charge Delivery), 3NR (Sales Scheduling Agreements)
Application Component	SD-SLS-SO (Sales Orders) SD-SLS-OA-SCH (Customer Scheduling Agreement)
Available As Of	SAP S/4HANA 2021


Additional Details

In addition to the legal control status, embargo status and screening status, you can also see the legal control license indicator on the item level of sales orders. It is introduced as a split indicator to determine whether the items with different legal licenses should be split or combined when you are creating outbound deliveries. In this way, you can prevent the blocked items from stopping the processing of the whole outbound delivery.

After you complete the integration and activate SAP GTS, the new statuses and indicator are available in the following apps:

- [Create Sales Orders - VA01](#)
- [Change Sales Orders - VA02](#)
- [Display Sales Orders - VA03](#)
- [Manage Sales Orders](#)
- [Create Sales Orders Without Charge](#)
- [Change Sales Orders Without Charge](#)
- [Display Sales Orders Without Charge](#)
- [Manage Sales Orders Without Charge](#)
- [Create Sales Scheduling Agreements](#)
- [Change Sales Scheduling Agreements](#)
- [Display Sales Scheduling Agreements](#)
- [Manage Sales Scheduling Agreements](#)

i Note

For important information about the integration, see SAP Note [3049846](#) .

For further information about SAP GTS, see [SAP Global Trade Services, edition for SAP HANA](#) → Select the required release → Product Assistance → Compliance Management.

Related Information

[Integration with SAP Global Trade Services](#)

[Schedule Sales Document Status Update – Global Trade Services](#)

8.1.6.11 International Trade Statuses for Sales Documents

With this feature, you can now see specific statuses related to international trade. This includes the legal control status (header and item), embargo status (header and item), and screening status (header and item). International trade helps companies better manage trade operations, ensure ongoing trade compliance, and optimize the cross-border supply chain.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	3NR (Sales Scheduling Agreements), 4LZ (Sales Scheduling Agreement with Consignment), I9I (Sales Contract Management), BD9 (Sell from Stock), BDG (Sales Quotation) and others
Application Component	SD-SLS (Sales), SD-SLS-QUT (Sales Inquiries / Sales Quotations), SD-SLS-SO (Sales Orders)SD-SLS-OA-SCH (Customer Scheduling Agreement), SD-SLS-OA-CCO (Customer Contracts)
Available As Of	SAP S/4HANA 2021

Additional Details

These statuses are available in the following apps:

- [Create Sales Quotations](#) (only embargo status and screening status)
- [Display Sales Quotations](#) (only embargo status and screening status)
- [Change Sales Quotations](#) (only embargo status and screening status)
- [Manage Sales Orders](#)
- [Manage Sales Orders Without Charge](#)
- [Create Sales Orders - VA01](#)
- [Change Sales Orders - VA02](#)

- [Display Sales Orders - VA03](#)
- [Create Sales Orders Without Charge](#)
- [Change Sales Orders Without Charge](#)
- [Display Sales Orders Without Charge](#)
- [Manage Sales Scheduling Agreements](#)
- [Create Sales Scheduling Agreements](#)
- [Display Sales Scheduling Agreements](#)
- [Change Sales Scheduling Agreements](#)
- [Manage Sales Contracts](#) (only embargo status and screening status)
- [Create Sales Contracts](#) (legal control status is always *Not Relevant, No Check*)
- [Display Sales Contracts](#) (legal control status is always *Not Relevant, No Check*)
- [Change Sales Contracts](#) (legal control status is always *Not Relevant, No Check*)

Related Information

[International Trade Compliance](#)

8.1.6.12 Enhanced Product Compliance Checks in Sales Documents

With this feature, product marketability, dangerous goods, and safety data sheet have been further integrated into apps for sales scheduling agreement. You can now display these three product compliance statuses in sales scheduling agreements on header and item level.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	3NR (Sales Scheduling Agreements) 4LZ (Sales Scheduling Agreement with Consignment)
Application Component	SD-SLS (Sales)
Available As Of	SAP S/4HANA 2021

Additional Details

In the [Manage Sales Scheduling Agreements](#) app, you can search for sales scheduling agreements by using filtering the statuses of product marketability, dangerous goods, and safety data sheet on header level. You can also display these three product compliance statuses on header and item level in the following apps:

- [Manage Sales Scheduling Agreements](#)
- [Change Sales Scheduling Agreements](#)
- [Display Sales Scheduling Agreements](#)

In addition, the predelivered form templates for sales scheduling agreement now include information about product compliance and dangerous goods data on sales scheduling agreements.

Related Information

[Product Compliance Data in the Value Chain](#)
[Dangerous Goods Check in Value Chain Documents](#)

8.1.6.13 Flexible Proposal of Pricing Dates

With this feature, you can implement the flexible proposal of pricing dates in sales documents by performing customizing activities. Using the Configurable Parameters and Formulas (CPF) framework, you as a key user can create rules in a decision table that the system uses to propose pricing dates for newly created sales documents. The decision table enables a dynamic calculation of pricing dates based on the baseline date, absolute offset sign, absolute offset, factory calendar rule, additional relative offset, processing indicator for incoming pricing dates that are controlled by header fields of the sales document to be created.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	SD-SLS (Sales)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

The following customizing activities enable key users to customize the flexible proposal of pricing dates in sales documents:

- [Define Rules to Determine Factory Calendar](#)
- [Define Parameter Catalog for Pricing Date](#)
- [Define Formulas for Pricing Date](#)
- [Define Custom Routines for Pricing Date in Sales Documents](#)
- [Assign Custom Routines to Sales Document Types](#)

Related Information

[Flexible Proposal of Pricing Dates](#)

[Flexible Proposal of Pricing Dates](#)

[Implementing Flexible Proposal of Pricing Dates](#)

8.1.6.14 Flexible Determination of Internal Partner Numbers

When integrated with an external buyer system, your system receives inbound messages that contain sales order data, and determines the internal business partner for sales order creation or update. Previously, you must map the external and internal partner numbers. With this feature, you can use new Customizing activities to define rules for the system to flexibly determine the internal partner number based on specific fields in the inbound message.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SD-SLS (Sales)
Available As Of	SAP S/4HANA 2021

Additional Details

You can use the following fields from the inbound *Sales Order/Customer Return - Create, Update, Cancel (B2B)* service to define your determination rules:

Field	in Node
BuyerSystemID	Order
SupplierSystemID	
CompanyCode	
CompanyCodeName	
PurchasingDocumentType	
PurchasingGroup	
PurchasingGroupName	
PurchasingOrganization	
PurchasingOrganizationName	
PartyType	Party(header and item level)
BuyerPartyID	
AddressName	

In addition, you can use the *Customer* field in sales order in the rule.

Effects on Existing Data

Once you activate the flexible determination of internal partner numbers, the system no longer uses your settings in Customizing activity *Convert External to Internal Partner Numbers*.

Effects on Customizing

You use Customizing activities *Define Parameter Catalog for Internal Partner Number* and *Define Formulas for Internal Partner Number* to define your rules.

Related Information

[Flexible Determination of Internal Partner Numbers](#)

8.1.6.15 Simplified Name of Customizing Activity *Define Parameter Catalog Entries for Flexible Sales Document Numbering*

With the current release, the name of the Customizing activity *Define Parameter Catalog Entries for Flexible Sales Document Numbering* has been shortened to *Define Parameter Catalog for Flexible Sales Document Numbering* for clarity and consistency. You can find this activity in Customizing under ► *Sales and Distribution* ► *Sales* ► *Configurable Parameters and Formulas in Sales* ► *Flexible Sales Document Numbering* ►.

The functionality of the Customizing activity remains unchanged.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	SD-SLS (<i>Sales</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Flexible Sales Document Numbering](#)

8.1.6.16 OData API: Sales Order (A2X)

This API for sales orders (`API_SALES_ORDER_SRV`) was enhanced and additional properties were added.

Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	BD9 (Sell from Stock)
Application Component	SD-SLS-API (SD API Interface, LORD)
Available As Of	SAP S/4HANA 2021

Additional Details

You can now do the following:

- Create, update, and delete schedule lines
- Create, read, update, and delete attachments
- Create the following single entities without having to embed them in a *deep insert* request: header, header partner, header pricing element, header text, header payment plan, header related object, item, item partner, item pricing element, item text, item related object, item schedule line.

In addition, the following properties were added:

Property	In Entity
AdditionalValueDays	A_SalesOrder
BillingDocumentDate	
ConfdDelivQtyInOrderQtyUnit	
ContractAccount	
CustomerPurchaseOrderSuplmnt	
ExternalDocLastChangeDateTime	
FixedValueDate	
MaterialSubstitutionReason	
OverallDeliveryStatus	
OverallOrdReltdBillgStatus	
OverallSDDocReferenceStatus	
PriceDetnExchangeRate	
SDDocReferenceStatus	
ServicesRenderedDate	
TotalBlockStatus	
TotalSDDocReferenceStatus	
BPRefAddrForDocSpcfcAddrUUID	A_SalesOrderHeaderPartner
BusinessPartnerAddressUUID	
PaymentCardAuthznRelationID	A_SlsOrdPaymentPlanItemDetails
AdditionalMaterialGroup1	A_SalesOrderItem

Property	In Entity
AdditionalMaterialGroup2	
AdditionalMaterialGroup3	
AdditionalMaterialGroup4	
AdditionalMaterialGroup5	
AdditionalValueDays	
BillingDocumentDate	
ContractAccount	
ExternalItemID	
HigherLevelItemUsage	
ServicesRenderedDate	
BPRefAddrForDocSpfcAddrUUID	A_SalesOrderItemPartner
BusinessPartnerAddressUUID	

Related Information

[Sales Order \(A2X\)](#)

[Related Objects of SD Documents \[page 632\]](#)

[OData APIs: Create with Reference with Custom Fields \[page 645\]](#)

[OData APIs: Replacement of PricingDateTime Property \[page 646\]](#)

[OData and SOAP APIs for Sales Documents: Changed Behavior when Used with BAdIs \[page 647\]](#)

[Multiple Address Handling in SD Documents Using SAP Business Partner \[page 717\]](#)

8.1.6.17 OData API: Sales Order - Simulate (A2X)

This API for sales orders (API_SALES_ORDER_SIMULATION_SRV) was enhanced with additional properties on header and item level.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)

Application Component	SD-SLS-API (SD API Interface, LORD)
Available As Of	SAP S/4HANA 2021

Additional Details

You can now use the following properties:

Property	In Entity
ReferenceSDDocument (used for simulating the creation of sales orders with reference to another sales document)	A_SalesOrderSimulation
ConditionBaseValue	A_SalesOrderPrcgElmntSimln and A_SalesOrderItmPrcgElmntSimln
IsGroupCondition	
PriceConditionDeterminationDte	
ConditionClass	
ConditionOrigin	
PricingScaleBasis	
ConditionScaleBasisValue	
ConfdDelivQtyInOrderQtyUnit	A_SalesOrderItemSimulation
ItemGrossWeight	
ItemNetWeight	
ItemVolume	
HigherLevelItemUsage	
MaterialSubstitutionReason	
ReferenceSDDocument (used for simulating the creation of sales orders with reference to another sales document)	
ReferenceSDDocumentItem (used for simulating the creation of sales orders with reference to another sales document)	

Related Information

[Sales Order - Simulate \(A2X\)](#)
[Simulate the Creation of Sales Orders with Reference](#)

8.1.6.18 OData APIs: Create with Reference with Custom Fields

The behavior of the OData APIs for sales quotations, sales orders, sales orders without charge, credit memo requests, and debit memo requests was improved regarding the handling of custom fields when you create a sales document with reference to another one.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock), BDG (Sales Quotation), BDA (Free of Charge Delivery), 1EZ (Credit Memo Processing), BKL (Invoice Correction Process with Credit Memo), 1F1 (Debit Memo Processing), BDQ (Invoice Correction Process with Debit Memo)
Application Component	SD-SLS-API (SD API Interface, LORD)
Available As Of	SAP S/4HANA 2021

Additional Details

Previously, when you created a sales document with reference to another sales document, the OData APIs worked as follows: If the document you wanted to use as a reference contained any custom fields, these values were ignored in the subsequent document if you did not change the value (that is, if no value was included in the payload when you created the subsequent document). Now, when you do not change any custom field values in the request for the subsequent document, the values from the preceding document are used.

This is valid for the following APIs:

- [Sales Quotation \(A2X\)](#)
- [Sales Order \(A2X\)](#)
- [Sales Order Without Charge \(A2X\)](#)
- [Credit Memo Request \(A2X\)](#)
- [Debit Memo Request \(A2X\)](#)

Related Information

[Create Sales Quotations with Reference](#)

[Create Sales Orders with Reference](#)
[Create Sales Orders Without Charge with Reference](#)
[Create Credit Memo Requests with Reference](#)
[Create Debit Memo Requests with Reference](#)
[Custom Fields App and Custom Logic App](#)

8.1.6.19 OData APIs: Replacement of PricingDateTime Property

In several OData APIs, the `PriceConditionDeterminationDte` property was added. It is meant to replace the `PricingDateTime` property that is used for the pricing timestamp, which will remain in the APIs for compatibility reasons. You can find both properties in the header pricing element and in the item pricing element.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock), BDG (Sales Quotation), 1EZ (Credit Memo Processing), BKL (Invoice Correction Process with Credit Memo), 1F1 (Debit Memo Processing), BDQ (Invoice Correction Process with Debit Memo)
Application Component	SD-SLS-API (SD API Interface , LORD)
Available As Of	SAP S/4HANA 2021

Additional Details

This is valid for the following APIs:

- [Sales Quotation \(A2X\)](#)
- [Sales Order \(A2X\)](#)
- [Credit Memo Request \(A2X\)](#)
- [Debit Memo Request \(A2X\)](#)

Related Information

[Sales Quotation \(A2X\)](#)

[Sales Order \(A2X\)](#)

[Credit Memo Request \(A2X\)](#)

[Debit Memo Request \(A2X\)](#)

8.1.6.20 OData and SOAP APIs for Sales Documents: Changed Behavior when Used with BAdIs

The behavior of APIs when used together with certain Business Add-Ins (BAdIs) has changed. If you want an API to cancel processing without saving the sales document if an error is written into the application log, you can continue to use the [Sales Document Check Before Save](#) BAdI. If you want an API to continue processing and save the sales document, this now works if you use the [Sales Header Check](#) BAdI or the [Sales Item Check](#) BAdI. This behavior corresponds to the behavior of the related apps.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock), 2TY (B2B Order Fulfillment with SAP Commerce Cloud), BDG (Sales Quotation), BDA (Free of Charge Delivery), 1EZ (Credit Memo Processing), BKL (Invoice Correction Process with Credit Memo), 1F1 (Debit Memo Processing), BDQ (Invoice Correction Process with Debit Memo), I9I (Sales Contract Management), 3NR (Sales Scheduling Agreements), BKP (Accelerated Customer Returns)
Application Component	SD-SLS-API (SD API Interface , LORD)
Available As Of	SAP S/4HANA 2021

Additional Details

This is valid for the following APIs:

- [Sales Quotation \(A2X\)](#)
- [Sales Contract \(A2X\)](#)

- [Sales Scheduling Agreement \(A2X\)](#)
- [Sales Order \(A2X\)](#)
- [Sales Order \(A2A\)](#)
- [Sales Order Without Charge \(A2X\)](#)
- [Customer Return \(A2X\)](#)
- [Credit Memo Request \(A2X\)](#)
- [Debit Memo Request \(A2X\)](#)

Related Information

[Sales Quotation \(A2X\)](#)
[Sales Order \(A2X\)](#)
[Sales Order \(A2A\)](#)
[Sales Order Without Charge \(A2X\)](#)
[Customer Return \(A2X\)](#)
[Credit Memo Request \(A2X\)](#)
[Debit Memo Request \(A2X\)](#)
[Sales Contract \(A2X\)](#)
[Sales Scheduling Agreement \(A2X\)](#)

8.1.6.21 SOAP API: Sales Order (A2A)

With this API for sales orders (`SalesOrderBulkRequest_In`), you can now create, update, and delete sales order texts on header and item level. You can also create, read, update, and delete attachments. Furthermore, the API was enhanced with additional fields on header and item level.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock), 2TY (B2B Order Fulfillment with SAP Commerce Cloud)
Application Component	SD-SLS-API (SD API Interface, LORD)
Available As Of	SAP S/4HANA 2021

Additional Details

The following fields were added:

Field	In Node
AdditionalValueDays	SalesOrder
ContractAccount	
FixedValueDate	
TaxDepartureCountry	
VATRegistrationCountry	
PaymentCardAuthznRelationID	PaymentPlanItem
VATRegistration	Partner (on both header and item level)
BPRefAddrForDocSpcfcAddrUUID	
BusinessPartnerAddressUUID	
AdditionalValueDays	Item
Batch	
ContractAccount	
MaterialPricingGroup	
ProfitCenter	
WBSElement	

Related Information

[Sales Order \(A2A\)](#)

[Related Objects of SD Documents \[page 632\]](#)

[Multiple Address Handling in SD Documents Using SAP Business Partner \[page 717\]](#)

8.1.6.22 SOAP API: Sales Order - Replicate (A2A)

This API for sales orders (`SalesOrderBulkReplication_Out`) was enhanced with additional fields on header and item level. To avoid unnecessary data replication, you can now also use specific replication mode parameters in the replication model to define the behavior and the scope of the replication for text and address entities.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	SD-SLS-API (SD API Interface, LORD)
Available As Of	SAP S/4HANA 2021

Additional Details

You can now use the following fields:

Field	In Node
AccountingExchangeRate	SalesOrder
AdditionalValueDays	
ContractAccount	
CustomerPaymentTerms	
CustomerTaxClassification1	
CustomerTaxClassification2	
CustomerTaxClassification3	
CustomerTaxClassification4	
CustomerTaxClassification5	
CustomerTaxClassification6	
CustomerTaxClassification7	
CustomerTaxClassification8	
CustomerTaxClassification9	
DeliveryBlockReason	
ExternalDocLastChangeDateTime	
ExternalDocumentID	
HeaderBillingBlockReason	
OverallDeliveryStatus	
OverallSDDocReferenceStatus	
PriceDetnExchangeRate	
PricingDate	

Field	In Node
PurchaseOrderByCustomer	
ReferenceSDDocument	
RequestedDeliveryDate	
SalesDistrict	
SalesGroup	
SalesOffice	
SDPricingProcedure	
SenderBusinessSystemName	
TotalBlockStatus	
TransactionCurrency	
VATRegistration	Partner (on both header and item level)
BPRefAddrForDocSpcfcAddrUUID	
BusinessPartnerAddressUUID	
IncotermsClassification	Incoterms (new node on header level)
IncotermsLocation1	
IncotermsLocation2	
IncotermsVersion	
Language	Text (new node on header and item level)
LongText	
LongTextID	
AdditionalStreetPrefixName	Address (new node on header and item level)
AdditionalStreetSuffixName	
AddressAdditionalName	
AddressGroup	
AddressName	
AddressName3	
AddressName4	
CityName	
Communication	
CorrespondenceLanguage	
Country	
District	
EmailAddress	
Fax	

Field	In Node
FaxNumber	
FormOfAddress	
HouseNumber	
MobilePhone	
MobilePhoneNumber	
Phone	
PhoneExtension	
PhoneNumber	
PhoneNumberExtension	
PhysicalAddress	
POBox	
POBoxPostalCode	
PostalCode	
Region	
StreetName	
StreetPrefixName	
StreetSuffixName	
TaxJurisdiction	
TransportZone	
AdditionalMaterialGroup1	Item
AdditionalMaterialGroup2	
AdditionalMaterialGroup3	
AdditionalMaterialGroup4	
AdditionalMaterialGroup5	
AdditionalValueDays	
BillOfMaterial	
ConfdDelivQtyInOrderQtyUnit	
ContractAccount	
CustomerPaymentTerms	
DeliveryPriority	
HigherLevelItemUsage	
ItemGrossWeight	
ItemNetWeight	
ItemVolume	

Field	In Node
MaterialByCustomer	
MaterialSubstitutionReason	
NetPriceAmount	
Plant	
PricingReferenceMaterial	
ReferenceSDDocument	
ReferenceSDDocumentItem	
SalesDocumentRjcnReason	
SDDocReferenceStatus	
TotalDeliveryStatus	
TotalSDDocReferenceStatus	
ConfdOrderQtyByMatlAvailCheck	
ConfirmedDeliveryDate	
CorrectedQtyInOrderQtyUnit	
DelivBlockReasonForSchedLine	ScheduleLine (new node on item level)
DeliveredQtyInOrderQtyUnit	
OpenConfdDelivQtyInOrdQtyUnit	
RequestedDeliveryDate	
RequestedDeliveryTime	
ScheduleLineId	
ScheduleLineOrderQuantity	

Related Information

[Sales Order - Replicate \(A2A\)](#)

[Configuration: Sales Order - Replicate \(A2A\)](#)

[Related Objects of SD Documents \[page 632\]](#)

[Multiple Address Handling in SD Documents Using SAP Business Partner \[page 717\]](#)

8.1.6.23 SOAP API: Sales Order - Send Processing Notification (A2A)

With this API for sales orders (CO_SDLS_ESR_SALES_ORDER_NOTIF), you can now use texts on header and item level. The API was also enhanced with additional fields on header and item level.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock), 2TY (B2B Order Fulfillment with SAP Commerce Cloud)
Application Component	SD-SLS-API (SD API Interface , LORD)
Available As Of	SAP S/4HANA 2021

Additional Details

You can now use the following fields:

Field	In Node
AdditionalValueDays	SalesOrder
ContractAccount	
FixedValueDate	
TaxDepartureCountry	
VATRegistrationCountry	
VATRegistration	Partner (on both header and item level)
BPRefAddrForDocSpcfcAddrUUID	
BusinessPartnerAddressUUID	
AdditionalValueDays	Item
Batch	
ContractAccount	
FixedValueDate	
MaterialPricingGroup	
ProfitCenter	
WBSElement	

Related Information

[Sales Order - Send Processing Notification \(A2A\)](#)

[Multiple Address Handling in SD Documents Using SAP Business Partner \[page 717\]](#)

8.1.6.24 SOAP API: *Sales Order/Customer Return - Create, Update, Cancel (B2B)*

You can use the *Sales Order/Customer Return - Create, Update, Cancel (B2B)* API to create, update, and cancel sales orders and customer returns. With this release, you can create and change data for advanced variant configuration in sales order items. In addition, some new fields have been added to the API so that you can receive more information from the buyer.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SD-SLS (<i>Sales</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The following table lists the field or node changes in the *Sales Order/Customer Return - Create, Update, Cancel (B2B)* service:

Field or Node	Use	In Node
VariantConfiguration	Create and change data for advanced variant configuration in sales order items.	OrderItem
ExternalAddressParserCode	Specify how the system should process the address data.	Address at header and item levels
PurchasingGroupName	Receive organizational data.	Order
PurchasingOrganizationName	Receive organizational data.	Order
CompanyCodeName	Receive organizational data.	Order
PurchaseContract	Receive organizational data.	OrderItem
PurchaseContractItem	Receive organizational data.	OrderItem

Field or Node	Use	In Node
PurContractForOverallLimit	Receive organizational data.	OrderItem
ProductType	Receive organizational data.	OrderItem
BuyrCorrOwnReference	Receive and save it as <i>Your Reference</i> in your sales order.	Order
BuyerSystemID	Receive buyer's system ID, such as buyer's Ariba Network ID	Order
SupplierSystemID	Receive supplier's system ID, such as supplier's Ariba Network ID	Order
SerialNumber	Identify the single units in the returns processing with the combination of product number.	OrderItem

The interface *Sales Order/Customer Return - Create, Update, Cancel (B2B)* is available on the SAP API Business Hub (<http://https:api.sap.com/>). If you need to create an incident regarding this feature, use component SD-SLS-EDI (*S/4HANA: Sales EDI Messages*).

Related Information

[Sales Order/Customer Return - Create, Update, Cancel \(B2B\)](#)

8.1.6.25 SOAP API: *Sales Order/Customer Return - Confirm Processing (B2B)*

You can use the *Sales Order/Customer Return - Confirm Processing (B2B)* API to confirm the processing of sales orders and customer returns. In addition, you can now send data for advanced variant configuration in a sales order confirmation.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	SD-SLS (Sales)
Available As Of	SAP S/4HANA 2021

Additional Details

The following nodes or fields have been added to the SOAP API [Sales Order/Customer Return - Confirm Processing \(B2B\)](#):

- `SerialNumber` in node `Item`
- `VariantConfiguration` in node `Item`
- `ExternalAddressParserCode` in nodes `Address` at both header and item levels

Note

Field `ExternalAddressParserCode` is not in use.

The interface [Sales Order/Customer Return - Confirm Processing \(B2B\)](#) is available on the SAP API Business Hub (<http://https.api.sap.com/>). If you need to create an incident regarding this feature, use component SD-SLS-EDI ([S/4HANA: Sales EDI Messages](#)).

Related Information

[Sales Order/Customer Return - Confirm Processing \(B2B\)](#)
[VariantConfiguration](#)

8.1.6.26 Behavior Definition for Sales Orders

You can now use the behavior definition `I_SalesOrderTP` to create and update sales orders and read the related results in the same session. You could, for example, use this business object to embed the `Create` action into one of your own UIs, so that a sales order is created when a specific button is chosen. You can find this behavior definition and its related documentation in ABAP Development Tools (ADT).

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	BD9 (Sell from Stock)
Application Component	SD-SLS-API (SD API Interface, LORD)
Valid as Of	SAP S/4HANA 2021

8.1.6.27 Data Management for Sales Order Requests

The blocking and archiving of a customer now both require additional checks in sales order requests:

- **Blocking check** (that is, end of purpose [EoP] check)
Before the system marks the customer as blocked, customer data should be no longer relevant for business activities in sales order requests.
- **Archiving check**
Before the system marks the customer as archived, customer data should no longer exist in sales order requests.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4X9 (Create Sales Orders from Unstructured Data)
Application Component	SD-SLS-IMP-DOX (Sales Document Creation Based on Unstructured Data)
Available As Of	SAP S/4HANA 2021

Additional Details

Blocking Check (that is, EoP Check)

SAP has added the application `ERP_SD_SLS_SOR` to a number of applications where the system performs the customer EoP check.

Archiving Check

You can archive a customer that has been blocked. For the customer archiving to be successful, the customer data should not exist in any sales order requests. Customer data in sales order requests can be destroyed based on the following data destruction object:

Data Destruction Object	Details	More Information
SD_SOR_DESTRUCTION	You can use this object to destroy sales order requests.	Destroying Sales Order Requests Using SD_SOR_DESTRUCTION

Note

If a customer has been blocked or archived, you can't create sales order requests for the customer.

Related Information

[Business Partner End of Purpose \(EoP\) Check in Sales Order Requests](#)
[Blocking, Unblocking and Deletion of Business Partner, Customer and Supplier Master Data](#)
[Data Protection](#)

8.1.6.28 Read Access Logging for Sales Order Requests

You can now log data to track who has accessed sensitive customer data in the [Create Sales Orders - Automatic Extraction](#) app. Such data may include bank account and tax number information.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4X9 (Create Sales Orders from Unstructured Data)
Application Component	SD-SLS-IMP-DOX (Sales Document Creation Based on Unstructured Data)
Available As Of	SAP S/4HANA 2021

Additional Details

For information about the related configuration, see the [Security Guide for SAP S/4HANA 2021](#), which you can access from the SAP S/4HANA product page under ► [Implement](#) ► [Guides](#) ►. Navigate to ► [Enterprise Business Applications](#) ► [Sales](#) ► [Order and Contract Management](#) ► [Read Access Logging](#) ►.

8.1.6.29 Display Archived Sales Documents

With this feature, business users can now display archived sales documents including sales inquiries, sales quotations, sales scheduling agreements, sales contracts, and sales item proposals.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SD-SLS-QUT (<i>Sales Inquiries / Quotations</i>), SD-MD-MM-PPR (<i>Item Proposal</i>)SD-SLS-OA-SCH (<i>Customer Scheduling Agreement</i>), SD-SLS-OA-CCO (<i>Customer Contracts</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

Business users can view archived documents using the following display apps or transactions:

- [Display Sales Inquiries](#) (VA13)
- [Display Sales Quotations](#) (VA23)
- [Display Sales Scheduling Agreements](#) (VA33)
- [Display Sales Contracts](#) (VA43)
- [Display Sales Item Proposals](#) (VA53)

If an archived document contains a blocked business partner, your user needs additional authorization to display the document. For more information, see [Authorizations \(SD-SLS\)](#).

Related Information

[Display Function for Archived Sales Documents \(SD-SLS\)](#)

8.1.6.30 Additional Fields Available in Custom Logic for Sales Documents

With this feature, you can now use additional fields when implementing custom logic in the following Business Add-Ins (BAdIs):

- [Sales Document Check Before Save](#)
- [Sales Item Modification](#),
- [Sales Item Check](#).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock) and others
Application Component	SD-SLS-EXT (SD Sales Extensibility)
Available As Of	SAP S/4HANA 2021

Additional Details

When creating custom logic using the abovementioned BAdIs, you can now use the following item-level sales document fields to better fulfill your business requirements. For example, you can check if the field for the material group, WBS element, or profit center is filled or not.

- Material group 1
- Material group 2
- Material group 3
- Material group 4
- Material group 5
- WBS element
- Profit center

You can implement these BAdIs in the [Custom Logic](#) app.

Related Information

[Business Add-Ins \(BAdIs\) for Sales Documents](#)

8.1.6.31 Custom Logic: *Sales Document Check Before Save*

With the Business Add-In (BAI) *Sales Document Check Before Save (SD_SLS_CHECK_BEFORE_SAVE)*, you can now implement your own custom logic that determines whether a sales document is to be saved or rejected based on the electronic payment details of the sales document.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock) and others
Application Component	SD-SLS-EXT (<i>SD Sales Extensibility</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Business Add-Ins \(BAIs\) for Sales Documents](#)

8.1.6.32 Custom Fields for Incompleteness Procedures in Sales Documents

With this feature, in several apps for creating, changing and displaying sales documents, you can now navigate to the custom fields tab from the incompleteness log if you use custom fields in incompleteness procedures.

Examples of apps where this is now possible include the following:

- [Create Sales Orders - VA01](#)
- [Change Sales Orders - VA02](#)
- [Display Sales Orders - VA03](#)

Technical Details

Type	New
------	-----

Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	SD-SLS-EXT (<i>SD Sales Extensibility</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can create custom fields in the *Custom Fields* app. You can define incompleteness procedures in the Customizing activities under ► *Sales and Distribution* ► ► *Basic Functions* ► ► *Log of Incompleteness Items* ►.

Related Information

[App Extensibility: Create, Change, or Display Sales Documents](#)

8.1.6.33 Additional Fields for Checking Schedule Line Data Available in the *Sales Document Check Before Save* BAdI

When implementing custom logic using the BAdI *Sales Document Check Before Save*, you can now use additional fields to check schedule line data in sales documents.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	SD-SLS-EXT (<i>SD Sales Extensibility</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can use a wide range of fields to run your own checks when saving a sales document. This now includes the following fields:

- Schedule line number
- Schedule line category
- Schedule line date
- Confirmed quantity
- Item is relevant for delivery
- Arrival time

For a complete list of fields you can use to run your checks, see the BAdI [Sales Document Check Before Save](#) in the [Custom Logic](#) app. For example, you can check if a schedule line date is in the past or not, or whether an item is relevant for delivery or not.

Related Information

[Business Add-Ins \(BAdIs\) for Sales Documents](#)

8.1.7 Sales Billing

8.1.7.1 [Schedule Billing Creation for Preliminary Billing Documents](#)

With the new app [Schedule Billing Creation for Preliminary Billing Documents](#), you can schedule single or periodic jobs for the automated creation of billing documents with reference to preliminary billing documents. The app offers a range of selection criteria to select the preliminary billing documents for which you want to create billing documents.

The app has been added to the business catalog [Sales - Billing Scheduling](#) (SAP_SD_BC_BIL_SCHEDULE).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)

Application Component	SD-BIL (<i>Billing</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

You can use this app to do the following:

- Schedule the creation of billing documents based on preliminary billing documents
- Easily set up single and recurring jobs
- Copy and modify existing jobs
- Select the preliminary billing documents to be processed by specifying a wide range of selection criteria
- Use the job log to check whether creation was successful or diagnose issues

Related Information

[Schedule Billing Creation for Preliminary Billing Documents](#)

8.1.7.2 *Schedule Creation of Preliminary Billing Documents:* **Finalize Automatically**

With this feature, the parameter section of the *Schedule Creation of Preliminary Billing Documents* app has been enhanced with a checkbox for the finalization of newly created preliminary billing documents. If you select it, any preliminary billing documents created by the current job are automatically created with the finalized status. If the checkbox is not selected, the new documents are created with the in process status.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	SD-BIL (<i>Billing</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

Note that when a preliminary billing document's status changes to finalized, the system automatically checks whether the document is relevant for approval. Therefore, if approval workflows are implemented, an approval request is automatically sent for every newly created, finalized document that the system identifies as being relevant for approval.

For more information about the approval of preliminary billing documents, see [Approval Workflows for Preliminary Billing Documents](#).

Related Information

[Schedule Creation of Preliminary Billing Documents](#)

8.1.7.3 Fields for Product Tax Classification and Customer Tax Classification Added to Template for Manual Creation of External Billing Document Requests

You can now supplement the billable items which you import into your system to create external billing document requests in the [Manage Billing Document Requests](#) app with additional tax classifications for products (that is, materials) and customers. This enables these additional tax classifications to be carried forward into the resulting billing document request items.

To facilitate this, the following nine fields were added to the `IT_EBDR_REQUEST` worksheet of the spreadsheet template (`Template_EBDR_Create.xlsx`) for importing billable data into the system:

- `ProductTaxClassification2`
- `ProductTaxClassification3`
- `ProductTaxClassification4`
- `ProductTaxClassification5`
- `CustomerTaxClassification1`
- `CustomerTaxClassification2`
- `CustomerTaxClassification3`
- `CustomerTaxClassification4`
- `CustomerTaxClassification5`

Technical Details

Type

Changed

Functional Localization	Not applicable
Scope Item	1MC (Convergent Billing)
Application Component	SD-BIL (<i>Billing</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Creating External Billing Document Requests Manually](#)
[Manage Billing Document Requests](#)

8.1.7.4 PDF Preview of Preliminary Billing Documents in the *My Inbox* App

When an approver or requester of approval requests for preliminary billing documents receives an approval-related task in their *My Inbox* app, they can now view a PDF-based preview of the corresponding preliminary billing document.

On the attachments tab of the *My Inbox* app, choose the [Preview of Preliminary Billing Document](#) link to display the PDF in a new browser tab.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	SD-BIL (<i>Billing</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Approval Workflows for Preliminary Billing Documents](#)
[Approve or Rework a Preliminary Billing Document](#)

8.1.7.5 CDS Views for Preliminary Billing Documents, Billing Document Requests, and Billing Due List Items

Several new billing-related CDS (Core Data Services) views have been released. They enable you to access the data of, and answer business questions about, preliminary billing documents, billing document requests, and billing due list items. You can also use these CDS views to construct custom views or apps that need to retrieve data about the abovementioned business objects in your system.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SD-BIL (Billing)
Available As Of	SAP S/4HANA 2021

Additional Details

The following table provides an overview of the newly released CDS views. For more information about each view, click its name.

View Provides Information About	View Name	View Technical Name
Preliminary billing documents	Preliminary Billing Document	I_PrelimBillingDocument
	Preliminary Billing Document (Value Help)	I_PrelimBillingDocumentStdVH
	Preliminary Billing Document Item	I_PrelimBillingDocumentItem
	Preliminary Billing Document Item (Value Help)	I_PrelimBillingDocItemStdVH
	Preliminary Billing Document Partner	I_PrelimBillingDocPartner
	Preliminary Billing Document Item Partner	I_PrelimBillingDocItemPartner
	Preliminary Billing Document Pricing Element	I_PrelimBillingDocPrpgElmnt
	Preliminary Billing Document Item Pricing Element	I_PrelimBillgDocItemPrpgElmnt

View Provides Information About	View Name	View Technical Name
Billing document requests	Billing Document Request	I_BillingDocumentRequest
	Billing Document Request (Value Help)	I_BillingDocumentRequestStdVH
	Billing Document Request Item	I_BillingDocumentRequestStdVH
	Billing Document Request Item (Value Help)	I_BillingDocReqItemStdVH
	Billing Document Request Partner	I_BillingDocReqPartner
	Billing Document Request Item Partner	I_BillingDocReqItemPartner
	Billing Document Request Pricing Element	I_BillingDocReqPrcgElmnt
	Billing Document Request Item Pricing Element	I_BillingDocReqItemPrcgElmnt
Billing due list items	Billing Due List Item	I_BillingDueListItem

Users with the role *Analytics Specialist* (SAP_BR_ANALYTICS_SPECIALIST) can access these views using the [View Browser](#) app.

In addition, these views are available on the SAP API Business Hub.

Related Information

[View Browser](#)

8.1.7.6 SOAP API: Test Run Mode for *Billing Document - Create*

With this feature, consumers of the *Billing Document - Create* SOAP API can now perform test runs for billing document creation. The test run simulates billing document creation using the provided external billing data and provides feedback about whether the planned billing document creation is possible without errors.

When performing a test run, the confirmation sent by the response service *Billing Document - Send Creation Confirmation* (CO_SDBIL_ESR_BD_CONF_OUT) provides the same information (including error messages) as for an actual creation. The only difference is that the returned billing document numbers are prefixed with the \$ symbol, which indicates that no actual billing documents have been created, but only simulated.

Test run mode can be activated by setting the new field `IsTestRun` in the `ActionControl` node to 1.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1Z6 (External Billing)
Application Component	SD-BIL (Billing)
Available As Of	SAP S/4HANA 2021

Related Information

[Billing Document - Create](#)

8.1.7.7 SOAP API: Detailed Error Log for [Billing Document Request - Send Creation Confirmation](#)

The outbound, asynchronous response service [Billing Document Request - Send Creation Confirmation](#) has been enhanced with additional nodes and fields that provide information about billing document requests and individual billing document request items that the system was unable to create. When a billing document request creation triggered by an inbound SOAP message to the service [Billing Document Request - Create](#) fails, this information is now included in the outbound response message to the service consumer.

The new subnode `Log` has been added to the `BillableDocumentFailed` node. The `Log` subnode relays logged details of the failed creation, such as the processing result code, the severity code, and the actual system message (for an example, an error text) itself.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1MC (Convergent Billing)
Application Component	SD-BIL (Billing)
Available As Of	SAP S/4HANA 2020

Additional Details

For more information about the new service response structure, see the section *Service Nodes* under [Billing Document Request - Send Creation Confirmation](#).

Related Information

[Billing Document Request - Send Creation Confirmation](#)

8.1.7.8 SOAP API: Tax-Related Fields Added to *Customer Invoice - Send (B2B)*

The outbound, asynchronous SOAP web service *Customer Invoice - Send (B2B)* has been enhanced with the following fields:

- `TaxAmount` in node `Invoice` (contains the total tax amount for the entire invoice)
- `BuyerVATRegistration` in node `Invoice` (contains the VAT registration number of the invoice's sold-to party)
- `SupplierVATRegistration` in node `Invoice` (contains the VAT registration number of the supplier, that is, the creator of the invoice)
- `TaxAmount` in subnode `Item` (contains the tax amount for a specific invoice item)
- `Amount` in subnode `ItemTax` (contains the tax amount per condition corresponding to the associated supplier tax type code)

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SD-BIL (Billing)
Available As Of	SAP S/4HANA 2021

Related Information

[Customer Invoice - Send \(B2B\)](#)

8.1.7.9 Additional Payload Fields in Business Events for Billing Documents

With this feature, five new payload fields were added to business events for billing documents. Whenever a billing document in your system is created, changed, or canceled, subscribers of these business events now receive these fields together with the existing payload fields of the event notification.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1Z6 (External Billing)
Application Component	SD-BIL (<i>Billing</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The following fields were added to the payload of all three business events for billing documents:

- **BILLINGDOCUMENTCATEGORY**: Billing category of the billing document that raised the event. For example, **A** (order-related billing) or **L** (delivery-related billing)
- **PAYERPARTY**: Business partner responsible for settling the billing document that raised the event
- **SOLDTOPARTY**: Business partner to which the billed items in the billing document were sold
- **SALESORGANIZATION**: Sales organization for which the billing document was created
- **DISTRIBUTIONCHANNEL**: Distribution channel for which the billing document was created

Related Information

[Billing Document Events](#)

8.1.7.10 *Create Billing Documents* App: Partial Billing of Outbound Delivery Items and Quantities

The *Create Billing Documents* app has been enhanced with the ability to bill only partial quantities of specific items in outbound deliveries. When this setting is enabled and you trigger billing document creation for one or

more deliveries, the system will prompt you to choose the delivery items that you want to bill and select the quantities for each item. This creation of billing documents for only some items or only partial quantities of items in deliveries is known as partial billing.

While partial billing was already possible in previous releases by using the selection list in the [Create Billing Documents - VF01](#), you can now do it directly from the [Create Billing Documents](#) app.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	SD-BIL (Billing)
Available As Of	SAP S/4HANA 2021

Related Information

[Create Billing Documents](#)

8.1.7.11 Copy Output Items (Including Attachments) from Preliminary Billing Documents to Billing Documents

With this feature, you can change Customizing to activate the automatic copying of output items from preliminary billing documents to billing documents. This includes the copying of any attachments that have been added to the preliminary billing document's output items.

When activated, this configuration overrides the default system behavior, which is to redetermine output items for billing documents that are created with reference to preliminary billing documents, and to not copy the attachments.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	BD9 (Sell from Stock)
Application Component	SD-BIL (<i>Billing</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

Per default, output items are determined once for a preliminary billing document and determined again for the subsequent billing document that is created with reference to the preliminary billing document. Depending on how output determination is set up for each of these two document categories, this can lead to differences in the resulting output parameters of the two documents. Output parameters control important attributes such as the receiver, sender country, form template, language, and dispatch time of the output.

If you prefer the system to use the same output items for billing documents as for the preceding preliminary billing documents, you can select the corresponding checkbox in Customizing under [Sales and Distribution](#) > [Basic Functions](#) > [SAP S/4HANA Output Control](#) > [Output Control for Billing Documents](#) > [Activate Copying of Output Items from Preliminary Billing Documents to Billing Documents](#).

Rather than redetermining the output items for the billing document when it's created with reference to the preliminary billing document, the existing output items, as well as any attachments that these output items contain, are copied from the preliminary billing document to the billing document, removing the need for a second determination.

Note

Please be aware that if the billing document that was created with reference to the preliminary billing document is canceled, the system also copies the attachments (including output items) to the resulting cancellation document.

For more information, including important prerequisites, see the configuration help of the [Activate Copying of Output Items from Preliminary Billing Documents to Billing Documents](#) Customizing activity.

Effects on Customizing

The location of the new Customizing activity that activates this feature is under [Sales and Distribution](#) > [Basic Functions](#) > [SAP S/4HANA Output Control](#) > [Output Control for Billing Documents](#) > [Activate Copying of Output Items from Preliminary Billing Documents to Billing Documents](#).

Related Information

[Working with Output Items](#)

8.1.7.12 Use the *Display Billing Documents* and *Display Invoice Lists* Apps to Display Archived Billing Documents and Archived Invoice Lists

With this feature, you, as a billing clerk, can now display archived billing documents and archived invoice lists directly from the respective apps *Display Billing Documents* and *Display Invoice Lists*.

To do so, open the respective app and enter the document number of the archived document that you want to display, then press enter. Note that, as a billing clerk, you cannot display documents that have been archived and blocked to protect personal data. You can only display documents that have been archived (usually to reduce data volume) and have not been blocked to protect personal data.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SD-BILL (<i>Billing</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Display Billing Documents](#)
[Display Invoice Lists](#)

8.1.7.13 View Additional Approval Workflow Details of Preliminary Billing Documents

With this feature, a new tab for approval details has been added to the header details of the *Display Preliminary Billing Documents* and *Change Preliminary Billing Documents* apps.

The new tab is only visible when you are viewing a preliminary billing document that is relevant for approval. The tab provides details about the document's approval workflow history. This includes the name of the approver, the reason for rejection or rework, as well as any comment that the approver has provided using the *My Inbox* app.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	SD-BIL (<i>Billing</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Approval Workflows for Preliminary Billing Documents](#)

[Display Preliminary Billing Documents](#)

[Change Preliminary Billing Documents](#)

8.1.7.14 Filter and Sort the Billing Due List by Document Creator and Creation Date and Time

With this feature, you can now use the view settings in the [Create Billing Documents](#) and [Create Preliminary Billing Documents](#) apps to add the following two new fields as additional columns in each app's billing due list:

- **Created at**
This field states the date and time at which the corresponding billing due list item (for example, an outbound delivery) was created.
- **Created by**
This field states the user name of the user who created the corresponding billing due list item.

As usual, these two new fields can also be used as additional filters by adapting the filter bar and selecting them from the list of filters.

Technical Details





Type	Changed
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)

Application Component	SD-BIL (<i>Billing</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Create Billing Documents](#)
[Create Preliminary Billing Documents](#)

8.1.7.15 Simplified Name of Customizing Activity *Define Parameter Catalog Entries for Flexible Billing Document Numbering*

With the current release, the name of the Customizing activity *Define Parameter Catalog Entries for Flexible Billing Document Numbering* has been shortened to *Define Parameter Catalog for Flexible Billing Document Numbering* for clarity and consistency. You can find this activity in Customizing under  *Sales and Distribution*  *Billing*  *Configurable Parameters and Formulas in Billing* .

The functionality of the Customizing activity remains unchanged.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SD-BIL (<i>Billing</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Flexible Billing Document Numbering](#)

8.1.7.16 *Define Billing Types*: Renamed Customizing Activity and Field

The Customizing activity *Define Billing Types* has been renamed to *Define Billing Types for Sales* to aid differentiation. Within this activity, the field *Credit Memo with Value Date* has been renamed to *Correction Document with Value Date* to better express that the field controls baseline date determination not only for journal entries of credit memos, but also for journal entries of debit memos and billing document cancellation documents. The functionality of the field remains unchanged.

For more information, see the field help of the field.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SD-BILL (<i>Billing</i>)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

The renamed Customizing activity is located in Customizing under ► *Sales and Distribution* ► *Billing* ► *Billing Documents* ► *Define Billing Types for Sales* ►.

8.1.7.17 Deprecation of Fields and Associations in CDS Views for Sales Billing

Several fields across multiple CDS views are deprecated with SAP S/4HANA 2021 and have been functionally replaced with successor fields. The following CDS views are affected:

- I_BillingDocExtdItemBasic
- I_BillingDocumentItem
- I_BillingDocumentItemBasic
- I_BillingDocumentRequestItem
- I_PrelimBillingDocumentItem

In addition, several associations in the same CDS views have also been deprecated. The deprecated fields and associations will be removed from the system no earlier than SAP S/4HANA 2022.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SD-BIL (Billing)
Available As Of	SAP S/4HANA 2020

Additional Details

The following table provides an overview of the deprecated fields and their successor fields for each affected CDS view in Sales Billing:

Deprecated Field	Successor Field	Affected CDS Views
Material	Product	I_BillingDocExtdItemBasic
MaterialGroup	ProductGroup	I_BillingDocumentItem
ProfitabilitySegment	ProfitabilitySegment_2	I_BillingDocumentItemBasic I_BillingDocumentRequestItem I_PrelimBillingDocumentItem
ExternalReferenceDocumentItem	BillingDocExtReferenceDocItem	I_BillingDocExtdItemBasic I_BillingDocumentItem I_BillingDocumentItemBasic I_PrelimBillingDocumentItem
WBSElement	WBSElementInternalID	I_BillingDocumentItemBasic I_BillingDocumentItem

Please note the following:

- Please replace any existing references to the deprecated fields with references to the successor fields as soon as possible.
- The successor field `ProfitabilitySegment_2` is a character field (data type `CHAR`), whereas the deprecated field `ProfitabilitySegment` is a numeric field (data type `CHAR`).
- If no profitability segment is assigned, the field `ProfitabilitySegment_2` either takes the value `0000000000` or `[Space]`.
- As of SAP S/4HANA 2022, the new field `ProfitabilitySegment_2` will contain non-numeric characters (A to Z) after the highest possible numeric value has been reached. This will only occur in rare cases.

The following table provides an overview of the deprecated associations and their successor associations for each affected CDS view in Sales Billing:

Deprecated Association	Successor Association	Affected CDS Views
_Material	_Product	I_BillingDocExtdItemBasic
_MaterialGroup	_ProductGroup	I_BillingDocumentItem
_MaterialText	_ProductText	I_BillingDocumentItemBasic
		I_BillingDocumentRequestItem
		I_PrelimBillingDocumentItem
_WBSElementText	_WBSElementBasicData	I_BillingDocumentItemBasic
		I_BillingDocumentItem
_SalesEmployee	_SalesEmployee_2	I_BillingDocExtdItemBasic
_ResponsibleEmployee	_SalesEmployee_2	
_County	_County_2	I_BillingDocExtdItemBasic
		I_BillingDocument
		I_BillingDocumentBasic
		I_BillingDocumentRequest
		I_PrelimBillingDocumentItem

Related Information

[Billing Document Item Basic Extended](#)
[Billing Document Item](#)
[Billing Document Item Basic](#)
[Billing Document Request Item](#)
[Preliminary Billing Document Item](#)

8.1.7.18 Apply Delivery Blocks to BOM Items in Down Payment Processing for Sales Orders

In down payment processing for sales orders, you as a key user can choose a delivery block reason for a milestone billing plan in the [Maintain Date Category for Billing Plan Type](#) Customizing activity. With this release, you can apply this delivery block reason to bill of material (BOM) items in sales orders.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BKJ (Sales Order Processing with Customer Down Payment)
Application Component	SD-BIL-IV-BP (Billing Plan)
Available As Of	SAP S/4HANA 2021

Additional Details

In the [Maintain Date Category for Billing Plan Type](#) Customizing activity, you can choose a delivery block reason and mark the checkbox [Apply to BOMs](#). After making this setting, when you create a sales order with a billing plan type that has been assigned the delivery block, the system automatically blocks deliveries for BOM items.

Related Information

[Billing Plan Functions](#)

8.1.8 Claims, Returns, and Refund Management

8.1.8.1 Maintain Return Addresses of Suppliers Using Multiple Address Handling for Business Partners in Sales and Distribution

If multiple address handling for business partners is active in your system, you can create multiple return addresses for a supplier. The system now uses a new logic to search for the possible return addresses of the supplier based on the partner function priorities and the address usages.

Technical Details

Type	New
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Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SD-SLS-RE (<i>Customer Returns</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

Enabling multiple address handling requires the activation of two separate business functions.

For more information about multiple address handling for business partners in sales and distribution and how to enable it, see [Multiple Address Handling in SD Documents Using SAP Business Partner](#).

Related Information

[Multiple Address Handling in SD Documents Using SAP Business Partner \[page 717\]](#)
[Return-to Address Determination for Supplier Returns](#)

8.1.8.2 Manage Customer Returns


This app has a variety of enhancements. For more information, see section [Additional Details](#).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BKP (Accelerated Customer Returns)
Application Component	SD-SLS-RE (<i>Customer Returns</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The app has the following enhancements:

- Create returns orders for advanced returns management (ARM)
Previously, you can only create accelerated returns (return type: CBAR). As of this release, you can manage all types of returns orders that are based on ARM with this app. As a prerequisite, you must have made the required settings to activate ARM. For more information, see [Advanced Returns Management for Customer Returns](#).
- Select a different return-to address
For the follow-up activities [Shipment to Supplier](#) and [Direct Shipment to Supplier](#), you can now select a different return address of the supplier if the default address proposed by the system does not meet your requirements.
- Track returns purchase order in the process flow in the scenarios of returning goods to suppliers.
- Assign a batch number to items
If the returned goods are managed in batches, you can assign a batch number to each returns order item. The batch number will be copied to the subsequent documents in the returns processing.
- Search for reference documents by delivery number
Delivery document number is now available as an additional search criterion in the value help for reference documents of customer returns.
- Support an additional way of processing bill of materials (BOM) for returns orders that are based on advanced returns management (ARM)
You can now create and process the BOMs for which pricing is carried out at the main item level, whereas inventory control and delivery processing are carried out at the component level. For such BOMs, you maintain the return-relevant data (such as return quantity, refund details, return reason, and follow-up activity) at the main item level. The follow-up activity and return reason are copied to all the components. When you enter the return quantity for the main item, the system automatically fills the return quantity for each component based on the component quantities defined in the material master data.
- Support multiple refund controls
You can control when and how the refund for a specific ARM-based returns order is to be processed in the system. You can use the relevant refund control to, for example, send a replacement to the customer immediately, issue a particular refund amount by creating a credit memo directly, or postpone the refund determination to a later time.
- Select a returns order reason
You can select a predefined returns order reason in the returns order header. The returns order reason indicates why the returns order was created. This reason could be used as one of the selection criteria in sales statistics. As a prerequisite, returns order reasons need to be defined first in Customizing under [Sales and Distribution > Sales > Sales Document Header > Define Order Reasons](#) .
For non-ARM returns, such as lean returns, the header-level returns order reason is copied to the return reason for each item.
- Additional follow-up activities
If you choose [Follow-up Activities](#), you can now select [Immediately Move to Free Available Stock](#) or [Immediately Move to Scrap](#) as the logistical follow-up activity. Using either one completes the customer return from the logistics point of view.

Related Information

[Manage Customer Returns](#)
[Create Customer Returns](#)
[Bills of Material in Sales Documents](#)
[Follow-Up Activities](#)
[Refund Determination](#)
[Return-to Address Determination for Supplier Returns](#)

8.1.8.3 Approval Workflows for Debit Memo Requests

With this feature, you can create and manage internal approval workflows for debit memo requests. In certain situations, it makes sense to ensure that a designated approver first approves a debit memo request before it can be released for billing. You could, for example, define that debit memo requests exceeding USD 10,000 must always be sent to an approver. The workflows allow you to define the conditions under which debit memo requests require approval, as well as define one or more designated approvers.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1F1 (Debit Memo Processing)
Application Component	SD-SLS (Sales)
Available As Of	SAP S/4HANA 2021

Additional Details

Business users can see the approval status of debit memo requests in the [Manage Debit Memo Requests](#) app.

Effects on Customizing

Before you can create and manage the approval workflows for debit memo requests, you need first set up the approval workflows by making specific settings. For more information, see [How to Set Up Approval Workflows in Your System](#).

For the approval workflows to start, as a prerequisite, you need to make sure that no billing block is set for the relevant debit memo request types in the configuration. If a billing block is set, it must be removed in

Customizing under [Sales and Distribution](#) > [Sales](#) > [Sales Documents](#) > [Sales Document Header](#) > [Define Sales Document Types](#).

Related Information

[Approval Workflows for Sales Documents](#)
[Manage Sales Document Workflows](#)

8.1.8.4 Deprecated: Approval Workflows for Credit Memo Requests

The creation and management of approval workflows for credit memo requests using the obsolete method is no longer possible in the [Manage Sales Document Workflows](#) app.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	BKL (Invoice Correction Process with Credit Memo) 1EZ (Credit Memo Processing)
Application Component	SD-SLS (Sales)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

Please make sure to check whether you're using the deprecated method for approvals of credit memo requests. If that is the case, please recreate the active workflows using the new method.

8.1.8.5 OData API: *Customer Return (A2X)*

This synchronous, inbound OData service has the following enhancements:

- Added fields for profit center and batch number to the item entity
- Added fields related to multiple address handling for business partners
- The `ReturnsRefundRjcnReason` field in the item entity has been enabled for use
- Added new entities for serial number, header text, and item text
- Support tax classifications for customers and materials

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BKP (Accelerated Customer Returns)
Application Component	SD-SLS (Sales)
Available As Of	SAP S/4HANA 2021

Additional Details

With the new `ProfitCenter` field in the [Customer Return Item](#) entity, you can assign a profit center for a returns order item, or you can read and update the profit center that's been assigned for the item. The assigned profit center will then be passed to the subsequent documents in the returns processing. Note that if a returns order is created with a reference document, the profit center is copied from the reference document and thus cannot be overwritten. For such cases, the profit center should be read-only.

If multiple address handling for business partners (BP) is active in your system, you can now use the following fields related to BP addresses: `BusinessPartnerAddressUUID` and `BPRefAddrForDocSpfcAddrUUID`. These fields were added to both the header partner and item partner entities. For more information, see [Additional System Enhancements for Multiple Address Handling](#).

You can specify the reason in the `ReturnsRefundRjcnReason` field to reject credit memo request as the follow-up document for a returns order item. With this reason, the refund is rejected.

You can assign a serial number to individual pieces of returned goods by using the new entity for serial number. Serial number and material number together form a unique identifier for you to track single material items in returns processing.

You can assign a batch number to a returns order item if the material is managed in batches.

With the [Header Text](#) and [Item Text](#) entities, you can read, create, update, and delete texts (such as sales notes for customers and shipping instructions) for customer returns at header and item levels.

Tax classifications for customers and materials (that is, product) indicate whether, during pricing, the system determines taxes relating to the customer and the material. You can now specify alternative customer tax classifications in the [Customer Return Header](#) entity and material tax classifications in the [Customer Return Item](#) entity to override the tax classifications that were retrieved from the customer and material master records.

Related Information

[Customer Return \(A2X\)](#)

[Multiple Address Handling in SD Documents Using SAP Business Partner \[page 717\]](#)

8.1.8.6 OData API: *Returns Inspection (A2X)*

You can use an OData API *Returns Inspection (A2X)* to perform inspections on returns order. You can create, read, and update inspections. You can also use an action to trigger logistical follow-up activities for eligible inspections.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-ARM-INS (<i>ARM Inspection</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com/>)

Related Information

[Returns Inspection \(A2X\)](#)

8.1.8.7 SOAP APIs for Customer Returns

The following SOAP APIs have been enhanced:

- *Customer Return (A2A)* and *Customer Return - Confirm Processing (A2A)*

- [Customer Return - Replicate \(A2A\)](#)
- [Sales Order/Customer Return - Create, Update, Cancel \(B2B\)](#) and [Sales Order/Customer Return - Confirm Processing \(B2B\)](#)

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BKP (Accelerated Customer Returns)
Application Component	SD-SLS (Sales)
Available As Of	SAP S/4HANA 2021

Additional Details

If multiple address handling for business partners (BP) is active in your system, you can now use the following fields related to BP addresses: `BusinessPartnerAddressUUID` and `BPreferAddrForDocSpecAddrUUID`. These fields were added to the partner nodes of the following SOAP APIs: [Customer Return \(A2A\)](#), [Customer Return - Confirm Processing \(A2A\)](#), and [Customer Return - Replicate \(A2A\)](#). For more information, see [Additional System Enhancements for Multiple Address Handling](#).

If the inbound, asynchronous SOAP API [Customer Return \(A2A\)](#) receives messages that cause application errors due to incorrect field values in the message payload, you can now correct the fields directly in the data content of the messages. You can then reprocess the corrected messages in the [Message Dashboard](#) app. In previous releases, it was not possible to correct field values in this API during message monitoring in your system. Thus, if errors occurred, external consumers of this API had to resend the SOAP messages.

With the API [Customer Return \(A2A\)](#), you can also pass a batch number to a customer return item if the product is managed in batches. The `Batch` field was added to the `Item` node.

SAP internal codes for units of measure (`SAPunitCode`) are now available as an additional attribute for quantity fields in the following SOAP APIs: [Customer Return - \(A2A\)](#), [Customer Return - Confirm Processing \(A2A\)](#), and [Customer Return - Replicate \(A2A\)](#). Previously, these APIs supported only standard ISO units of measure.

Tax classifications for customers and materials (that is, product) indicate whether, during pricing, the system determines taxes relating to the customer and the material. Consumers of the API [Customer Return \(A2A\)](#) can now specify alternative customer tax classifications in the `CustomerReturn` node and material tax classifications in the `Item` node to override the tax classifications that were retrieved from the customer and material master records.

Consumers of the inbound, asynchronous SOAP API [Sales Order/Customer Return - Create, Update, Cancel \(B2B\)](#) are now able to assign a serial number to individual pieces of returned goods. Serial number and material number together form a unique identifier for you to track single material items in returns processing.

You can send the assigned serial numbers in a customer return confirmation through the corresponding asynchronous, outbound service [Sales Order/Customer Return - Confirm Processing \(B2B\)](#).

These APIs are available on the SAP API Business Hub (<https://api.sap.com/>.

Related Information

[Customer Return \(A2A\)](#)

[Customer Return - Confirm Processing \(A2A\)](#)

[Customer Return - Replicate \(A2A\)](#)

[Sales Order/Customer Return - Create, Update, Cancel \(B2B\)](#)

[Sales Order/Customer Return - Confirm Processing \(B2B\)](#)


8.1.8.8 Support Serial Numbers in EDI Messages for Returns

With this feature, serial numbers are now supported in document exchanges for returns process through electronic data interchange (EDI) messages. If your system receives an IDoc with returns purchase order data that includes serial numbers from a buyer system, the serial numbers are transferred to the returns order IDoc, which triggers the system to create a returns order. Subsequently, the serial numbers are also transferred to the returns order confirmation that your system sends to the buyer system.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SD-EDI (Electronic Data Interchange)
Available As Of	SAP S/4HANA 2021

Additional Details

Serial numbers are stored in segment E1EDP02 of IDoc type ORDERS05. This segment can only be repeated a maximum of ten times in one IDoc. Therefore, no more than ten serial numbers can be sent for a returns order. For more information, see SAP Note [370021](#).

Related Information

[Integration of Sales and Returns with External Buyers Using IDocs](#)

8.1.8.9 OData API: Sales Order Without Charge (A2X)

You can now use this API for sales orders without charge (`API_SALES_ORDER_WITHOUT_CHARGE_SRV`) to create, read, update, and delete texts on header and on item level. In addition, the API was enhanced with additional properties.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BDA (Free of Charge Delivery)
Application Component	SD-SLS-API (SD API Interface, LORD)
Available As Of	SAP S/4HANA 2021

Additional Details

With the new unit properties, you can decide whether you want to use the language-dependent unit code, the ISO code, or the SAP code (the format found in the database without conversions) for units of measurement. You can now use the following properties:

Property	In Entity
BPRefAddrForDocSpecAddrUUID	A_SlsOrdWthoutChrgPartner
BusinessPartnerAddressUUID	
RequestedQuantitySAPUnit	A_SalesOrderWithoutChargeItem
RequestedQuantityISOUnit	
ItemWeightSAPUnit	
ItemWeightISOUnit	
ItemVolumeSAPUnit	
ItemVolumeISOUnit	

Property	In Entity
BPRefAddrForDocSpfcAddrUUID	A_SlsOrdWthoutChrgItmPartner
BusinessPartnerAddressUUID	

Related Information

[Sales Order Without Charge \(A2X\)](#)

[OData APIs: Create with Reference with Custom Fields \[page 645\]](#)

[OData and SOAP APIs for Sales Documents: Changed Behavior when Used with BAdIs \[page 647\]](#)

[Multiple Address Handling in SD Documents Using SAP Business Partner \[page 717\]](#)

8.1.8.10 OData API: Credit Memo Request (A2X)

You can now use the this API for credit memo requests (`API_CREDIT_MEMO_REQUEST_SRV`) to create, read, update, and delete texts on header and on item level. The API was also enhanced with additional fields on header and item level.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1EZ (Credit Memo Processing), BKL (Invoice Correction Process with Credit Memo)
Application Component	SD-SLS-API (<i>SD API Interface, LORD</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

You can now use the following properties:

Property	In Entity
CustomerAccountAssignmentGroup	A_CreditMemoRequest

Property	In Entity
CustomerTaxClassification1	
CustomerTaxClassification2	
CustomerTaxClassification3	
CustomerTaxClassification4	
CustomerTaxClassification5	
CustomerTaxClassification6	
CustomerTaxClassification7	
CustomerTaxClassification8	
CustomerTaxClassification9	
BPRefAddrForDocSpcfcAddrUUID	A_CreditMemoReqPartner
BusinessPartnerAddressUUID	A_CreditMemoRequestItem
ItemWeightSAPUnit	
ItemWeightISOUnit	
ItemVolumeSAPUnit	
ItemVolumeISOUnit	
MatlAccountAssignmentGroup	
ProductTaxClassification1	
ProductTaxClassification2	
ProductTaxClassification3	
ProductTaxClassification4	
ProductTaxClassification5	
ProductTaxClassification6	
ProductTaxClassification7	
ProductTaxClassification8	
ProductTaxClassification9	
ProfitCenter	
RequestedQuantitySAPUnit	A_CreditMemoReqItemPartner
RequestedQuantityISOUnit	
ServicesRenderedDate	
BPRefAddrForDocSpcfcAddrUUID	
BusinessPartnerAddressUUID	
ConditionQuantitySAPUnit	
ConditionQuantityISOUnit	

With the new unit properties, you can decide whether you want to use the language-dependent unit code, the ISO code, or the SAP code (the format found in the database without conversions) for units of measurement.

Related Information

[Credit Memo Request \(A2X\)](#)

[OData APIs: Create with Reference with Custom Fields \[page 645\]](#)

[OData APIs: Replacement of PricingDateTime Property \[page 646\]](#)

[OData and SOAP APIs for Sales Documents: Changed Behavior when Used with BAdIs \[page 647\]](#)

[Multiple Address Handling in SD Documents Using SAP Business Partner \[page 717\]](#)

8.1.8.11 OData API: Debit Memo Request (A2X)

This API for debit memo requests (`API_DEBIT_MEMO_REQUEST_SRV`) was enhanced with additional properties for debit memo requests on header and item level.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1F1 (Debit Memo Processing), BDQ (Invoice Correction Process with Debit Memo)
Application Component	SD-SLS-API (SD API Interface, LORD)
Available As Of	SAP S/4HANA 2021

Additional Details

You can now use the following properties:

Property	In Entity
CustomerTaxClassification1	A_DebitMemoRequest
CustomerTaxClassification2	
CustomerTaxClassification3	
CustomerTaxClassification4	
CustomerTaxClassification5	
CustomerTaxClassification6	

Property	In Entity
CustomerTaxClassification7	
CustomerTaxClassification8	
CustomerTaxClassification9	
BPreAddrForDocSpfcAddrUUID	A_DebitMemoReqPartner
BusinessPartnerAddressUUID	A_DebitMemoRequestItem
ItemWeightSAPUnit	
ItemWeightISOUnit	
ItemVolumeSAPUnit	
ItemVolumeISOUnit	
ProfitCenter	
ProductTaxClassification1	
ProductTaxClassification2	
ProductTaxClassification3	
ProductTaxClassification4	
ProductTaxClassification5	
ProductTaxClassification6	
ProductTaxClassification7	
ProductTaxClassification8	
ProductTaxClassification9	
RequestedQuantitySAPUnit	
RequestedQuantityISOUnit	
BPreAddrForDocSpfcAddrUUID	A_DebitMemoReqItemPartner
BusinessPartnerAddressUUID	A_DebitMemoReqItemPrpgElmnt
ConditionQuantitySAPUnit	
ConditionQuantityISOUnit	

With the new unit properties, you can decide whether you want to use the language-dependent unit code, the ISO code, or the SAP code (the format found in the database without conversions) for units of measurement.

Related Information

[Debit Memo Request \(A2X\)](#)

[OData APIs: Create with Reference with Custom Fields \[page 645\]](#)

[OData APIs: Replacement of PricingDateTime Property \[page 646\]](#)

[OData and SOAP APIs for Sales Documents: Changed Behavior when Used with BADIs \[page 647\]](#)

[Multiple Address Handling in SD Documents Using SAP Business Partner \[page 717\]](#)

8.1.8.12 CDS Views for Claims, Returns, and Refund Management

New CDS views related to claims, returns, and refund management have been released.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	See the table below
Application Component	See the table below
Available As Of	SAP S/4HANA 2021

Additional Details

The following CDS views have been released:

Name	Status	Scope Item	Application Component
I_SalesOrderWithoutCharge (Sales Order Without Charge)	New	BDA (Free of Charge Delivery)	SD-SLS (Sales)
I_SlsOrdWithoutChrgPartner (Partner for Sales Order Without Charge)	New	BDA (Free of Charge Delivery)	SD-SLS (Sales)
I_SalesOrderWithoutChargeItem (Item for Sales Order Without Charge)	New	BDA (Free of Charge Delivery)	SD-SLS (Sales)
I_SlsOrdWithoutChrgItemPartner (Item Partner for Sales Order Without Charge)	New	BDA (Free of Charge Delivery)	SD-SLS (Sales)
I_SlsOrdWithoutChrgScheduleLine (Schedule Line for Sales Order Without Charge)	New	BDA (Free of Charge Delivery)	SD-SLS (Sales)

You can find these CDS views in the [View Browser](#) app.

Related Information

[View Browser](#)
[CDS Views for Sales](#)

8.1.8.13 CDS Views for CDI-Based Data Extraction

Several CDS views about the configuration data in advanced returns management (ARM) have been exposed as OData services for the data extraction through cloud data integration (CDI) services.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SD-SLS-RE (Customer Returns)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following CDS views have been enabled for data extraction through CDI services:

View Name	View Technical Name
Return Reason	I_ReturnReason
Return Reason - Text	I_ReturnReasonText
Returns Refund Extent	I_ReturnsRefundExtent
Returns Refund Extent - Text	I_ReturnsRefundExtentText
Logistical Follow-Up Activities for Customer Returns	I_ReturnsFollowUpActivity
Logistical Follow-Up Activities for Customer Returns - Text	I_ReturnsFollowUpActivityText
Returns Inspection Code	I_ReturnsInspectionCode
Returns Inspection Code - Text	I_ReturnsInspectionCodeText
Returns Document Type	I_ReturnsDocumentType
Returns Document Type - Text	I_ReturnsDocumentTypeText

Users with the role *Analytics Specialist* (SAP_BR_ANALYTICS_SPECIALIST) can access these views using the *View Browser* app.

In addition, these views are available on the SAP API Business Hub (<https://api.sap.com/>.

Data Extraction

Construct your request URL as follows to access the CDI services for data extraction:

```
/sap/opu/odata4/sap/cdi_cds/cdi_cds/sap/<view technical name>/<version>
```

For example, to extract the master data of the CDS view *Return Reason*:

```
/sap/opu/odata4/sap/cdi_cds/cdi_cds/sap/I_ReturnReason/0001/MasterData
```

Effects on System Administration

As a prerequisite for the CDI-based data extraction, system administrators must first publish the CDI service groups on SAP Gateway Foundation hub. For more information, see [Service Group Publishing](#).

8.1.9 Sales Monitoring and Analytics

8.1.9.1 Deprecated Elements in My Sales Overview App

The following elements in the *My Sales Overview* app have been deprecated:

- *Ready for Refund* filter on the *Customer Returns* card
You can use its successor filter *Refund Not Completed* on the same card. The functionality of this filter remains unchanged. If you select this filter, customer returns whose refund processing in Sales is not completed are displayed.
- *Customer Contacts* card
Please switch to the *Customers Overview* app to view customer contact information.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	1BS (SAP Fiori Analytical Apps for Sales)
Application Component	Sales Analytics (<i>SD-ANA</i>)

Related Information

[My Sales Overview](#)
[Customers Overview](#)

8.1.9.2 *Customers Overview*

New cards for the following have been added to the *Customers Overview* app:

- Rejected quotations
- Sales contract fulfillment
- Quick actions
- Customer contact

The existing cards for rejected sales orders and customer returns now display data for the last 6 months instead of the year.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1BS (SAP Fiori Analytical Apps for Sales)
Application Component	SD-SLS (<i>Sales</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Customers Overview](#)

8.1.9.3 **New App IDs and New App Names for Existing Apps**

The following apps have been split into separate app IDs and app names.

Note that the UI and overall content of the apps remains unchanged; the content has merely been split into separate app IDs and app names.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Sales Order Fulfillment Monitoring and Operations (BKK)
Application Component	SD (<i>Sales and Distribution</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

Affected Apps

Previous App ID and App Name	Previous Content	What's Changed	New App ID and New App Name	New Content
F0029 <i>Sales Order Fulfillment Issues</i>	<i>Sales Order Fulfillment – Resolve Issues</i> and <i>Sales Order Fulfillment – Analyze Issues</i>	The apps in the previous content have been split into two separate apps	F0029 (Un-changed) <i>Sales Order Fulfillment Issues</i> (Un-changed)	<i>Sales Order Fulfillment – Resolve Issues</i> only
<div> <div>i Note</div> <div>This app has been deprecated and has been replaced by <i>Sales Order Fulfillment - Analyze and Resolve Issues</i>.</div> </div>				

Previous App ID and App Name	Previous Content	What's Changed	New App ID and New App Name	New Content
			F5309 <i>Sales Order Fulfillment – Analyze Issues (Deprecated)</i>	<i>Sales Order Fulfillment – Analyze Issues</i> only
			<div>i Note</div> <p>This app has been deprecated and has been replaced by <i>Sales Order Fulfillment - Analyze and Resolve Issues</i>.</p>	
F2271 <i>Sales Volume – Profit Margin/Credit Memos</i>	<i>Sales Volume – Profit Margin</i> and <i>Sales Volume - Credit Memos</i>	The apps in the previous content have been split into two separate apps	F2271 (Un-changed) <i>Sales Volume - Profit Margin</i>	<i>Sales Volume – Profit Margin</i> only
			F5310 <i>Sales Volume – Credit Memos</i>	<i>Sales Volume – Credit Memos</i> only
F2458 <i>Analyze Confirmations of Sales Orders</i>	<i>Sales Order - Demand Fulfillment, Sales Order Items – Confirmed as Requested, and Sales Order Items - Backorders</i>	The apps in the previous content have been split into three separate apps	F2458 (Un-changed) <i>Sales Orders - Demand Fulfillment</i>	<i>Sales Order - Demand Fulfillment</i> only
			F5308 <i>Sales Order Items – Confirmed as Requested</i>	<i>Sales Order Items – Confirmed as Requested</i> only
			F5307 <i>Sales Order Items – Backorders</i>	<i>Sales Order Items – Backorders</i> only

Related Information

[Sales Order Fulfillment - Analyze and Resolve Issues](#)

[Sales Volume - Credit Memos](#)
[Sales Volume - Profit Margin](#)
[Sales Order Items - Confirmed as Requested](#)
[Sales Order Items - Backorders](#)

8.1.9.4 Enhancement to Manage Sales Scheduling Agreements - Product Demand app

The sales scheduling agreement type is newly available in the [Sales Scheduling Agreements - Product Demand](#) app. With this dimension, it is possible to do the following:

- Confine your analysis to a particular sales scheduling agreement type
- Analyze product demand by sales scheduling agreement type

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1BS (SAP Fiori Analytical Apps for Sales)
Application Component	SD-SLS (Sales)
Available As Of	SAP S/4HANA 2021

Related Information

[Sales Scheduling Agreements - Product Demand](#)

8.1.9.5 The [Sales Order Fulfillment](#) App Will Soon Be Deleted

The [Sales Order Fulfillment](#) app and its corresponding tiles will be deleted from the SAP Fiori launchpad in SAP S/4HANA 2022.

The [Sales Order Fulfillment](#) app and its corresponding tiles have been replaced by the [Sales Order Fulfillment - Analyze and Resolve Issues](#) app. Please switch to this app as soon as possible.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	Sales Order Fulfillment Monitoring and Operations (BKK)
Application Component	SD (<i>Sales and Distribution</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The corresponding tiles will be deleted in SAP S/4HANA 2022:

- [Sales Order Fulfillment - Analyze Issues](#)
- [Sales Order Fulfillment - Resolve Issues](#)
- [Sales Order Fulfillment - Issues in Next 7 Days](#)
- [Sales Order Fulfillment - Resolve Incomplete Data](#)
- [Sales Order Fulfillment - Resolve Delivery Block](#)
- [Sales Order Fulfillment - Resolve Billing Block](#)
- [Sales Order Fulfillment - Resolve Credit Block](#)

As a result of the app deletion, the [Sales - Sales Order Fulfillment Analyze Issues](#) (SAP_SD_BC_SOFM_ANALYZE_PC) business catalog will also be deleted.

Please switch to one of the following business catalogs:

- [Sales - Sales Order Monitoring and Tracking](#) (SAP_SD_BC_SLS_ORD_TRACKING_PC) for the sales manager role
- [Sales - Sales Order Monitoring](#) (SAP_SD_BC_SLS_ORD_MNTRG_PC) for the internal sales representative role

Related Information

[Sales Order Fulfillment - Analyze and Resolve Issues](#)

8.1.9.6 [Sales Order Fulfillment – Analyze and Resolve Issues, Track Sales Orders, and Track Sales Order Details](#)

The following enhancements have been made to the [Sales Order Fulfillment - Analyze and Resolve Issues](#), [Track Sales Orders](#), and [Track Sales Order Details](#) apps:

- Filtering on Approval Status and Approval Request Reason
In certain cases, it can make sense to make sure that a sales document is first approved before it can be processed further. When an approval request is triggered, the system automatically blocks the sales document for further processing.
- Navigation to Schedule Line for all Item Issues
- New Issue: Supply Issue in Sales Orders

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Sales Order Fulfillment Monitoring and Operations (BKK)
Application Component	SD (<i>Sales and Distribution</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

Filtering on Approval Status and Approval Request Reason

In the [Track Sales Order Details](#) app, the system displays the approval status and approval request reason in the sales document details and sales document issue details. This allows you to immediately see whether a sales document is in approval, which means that further processing of the sales document (including creation of follow-up documents) is blocked.

Navigation to Schedule Line for all Item Issues in the [Track Sales Order Details](#) app

You can now navigate to the schedule lines for all item issues. You can display the schedule line details for the top node of the tree (that is, for the entire fulfillment process), for the sales document nodes (for example, sales order, purchase order), and for the corresponding issue nodes. From here, you can click on the arrow to open a third column to display header and schedule line information (such as requested and confirmed delivery quantities).

You can now display the schedule line details for the following issues:

- Incomplete Data in Sales Orders
- Delivery Block in Sales Orders
- Trade Compliance Issue in Sales Orders
- Unconfirmed Quantities in Sales Orders
- Supply Issue in Sales Orders
- Delivery Issue in Sales Orders
- Billing Block in Sales Orders
- Purchasing Issue in Supply

New Issue: Supply Issue in Sales Orders

This issue occurs if a purchase requisition has not yet been transformed into a purchase order in third-party processing (that is, the purchase order is missing for the sales order).

You can filter on this issue in the [Sales Order Fulfillment - Analyze and Resolve Issues](#) app and also search for a specific purchasing confirmation status in the [Sales Order Fulfillment - Analyze and Resolve Issues](#) and [Track Sales Orders](#) apps to display a supply issue in sales orders.

You can display further details on the issue in the [Track Sales Order Details](#) app. You can display the purchasing confirmation status on header and item level. You can also navigate to the purchase requisition from the schedule line details.

Related Information

[Sales Order Fulfillment - Analyze and Resolve Issues](#)

[Track Sales Orders](#)

[Track Sales Order Details](#)

8.1.9.7 Using SAP Global Trade Services in the [Sales Order Fulfillment - Analyze and Resolve Issues](#) and [Track Sales Orders](#) Apps

SAP Global Trade Services (SAP GTS) integration to SAP S/4HANA can now be used in the [Sales Order Fulfillment - Analyze and Resolve Issues](#) and [Track Sales Orders](#) apps.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Sales Order Fulfillment Monitoring and Operations (BKK)
Application Component	SD (Sales and Distribution)
Available As Of	SAP S/4HANA 2021

Additional Details

The following issues (which were already available for trade compliance) are now also available for SAP GTS in the [Sales Order Fulfillment - Analyze and Resolve Issues](#) app. You can use these issues to display sales orders and deliveries that are blocked due to compliance management reasons in SAP GTS:

- *Trade Compliance Issue in Sales Orders*
- *Trade Compliance Issue in Delivery*


In the [Track Sales Order Details](#) app, you can display the blocked actions on item level for the above issues.

In the [Sales Order Fulfillment - Analyze and Resolve Issues](#) and [Track Sales Orders](#) apps, you can filter on the following specific sales order-related SAP GTS statuses:

- Legal control status
- Embargo status
- Screening status

Depending on your company's settings, certain follow-up actions (such as delivery creation or purchase requisition creation for sales orders, and goods issue for outbound deliveries) can be blocked.

i Note

For important information about the integration, see SAP Note [3049846](#) .

For further information about SAP GTS, see [SAP Global Trade Services, edition for SAP HANA](#) → Select the required release → Product Assistance → Compliance Management.

For further information about SAP GTS, see [SAP Global Trade Services, edition for SAP HANA](#) → Select the required release → Product Assistance → Compliance Management.

Related Information

[Sales Order Fulfillment - Analyze and Resolve Issues](#)

[Track Sales Orders](#)

[Track Sales Order Details](#)

8.1.9.8 Changed Navigation to the [Sales Order Fulfillment - Analyze and Resolve Issues](#) App

With this feature, you now navigate to the [Sales Order Fulfillment - Analyze and Resolve Issues](#) app directly from the following apps:

- [Sales Volume - Check Open Sales](#)
- [Sales Volume - Profit Margin](#)
- [Sales Volume - Credit Memo](#)

This feature replaces the mini tile navigation to the [Sales Order Fulfillment \(Deprecated\)](#) app from the above apps.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Sales Order Fulfillment Monitoring and Operations (BKK)
Application Component	SD (<i>Sales and Distribution</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Sales Order Fulfillment - Analyze and Resolve Issues](#)

8.1.9.9 New Intelligent Scenario Lifecycle Management (ISLM) Apps for Enabling Predictive Functionality

Predictive Analytics integrator (PAi) has now been integrated with ISLM (the new SAP machine learning management framework). As a result, the following apps are now available in addition to the existing apps:

- [Predictive Models](#) (existing PAi app) → [Intelligent Scenario Management](#) (new ISLM app)
You can use either of these apps to train, activate, deactivate, or delete your model versions as required. The [Intelligent Scenario Management](#) app additionally allows you to automate the training by creating a schedule for your model version training.
- [Predictive Scenarios](#) (existing PAi app) → [Intelligent Scenarios](#) (new ISLM app)
You can display information regarding pre-delivered scenarios in these apps.

The app changes affect the following apps in Sales Analytics:

- [Predicted Delivery Delay](#)
- [Quotation Conversion Rates - Valid/Not Completed](#)

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	Predictive Analytics Model Training - Sales (2YJ)
Application Component	SD-ANA (Sales Analytics)
Available As Of	SAP S/4HANA 2021

Additional Details

Effects on Existing Data

If you previously created your own use cases in the [Predictive Scenarios](#) app, you now need to migrate these to Intelligent Scenario Lifecycle Management (ISLM) to see them in the [Intelligent Scenarios](#) app.

For information about how to proceed, see [Prerequisites for Working With PAi](#) and [Pre-Requisites](#).

Related Information

[Predicted Delivery Delay](#)
[Quotation Conversion Rates - Valid/Not Completed](#)
[Intelligent Scenario Management](#)

8.1.9.10 [Track Sales Orders](#)

The following enhancements have been made to the [Track Sales Orders](#) app:

- New [Total Amount](#) field
- Navigation to the [Create Sales Orders](#) app

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Sales Order Fulfillment Monitoring and Operations (BKK)
Application Component	SD (Sales and Distribution)

Additional Details

The *Total Amount* field is now available in the list for the *Track Sales Orders* app. You can add this field if, for example, you want to compare the net value with the total amount. The total amount for a sales document shows the sum of the net values and taxes of all associated items.

Up till now, you were able to create a sales order from the *Track Sales Orders* app using the *Create Sales Orders - VAO1* app. You can now also create a sales order from *Track Sales Orders* using the *Create Sales Orders* app.

Related Information

[Track Sales Orders](#)

8.1.9.11 *Track Sales Order Details*

The following enhancements have been made for the *Track Sales Order Details* app:

Displaying and analyzing delivery blocks in sales orders that are part of schedule lines

You can now display and analyze delivery blocks (in sales orders) that are part of sales order schedule lines.

To do so, select the *Delivery Block in Sales Order* issue in the tree structure, then select the sales order item in the details. An additional screen is displayed with general information and the requested and confirmed delivery quantities for the schedule line.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Sales Order Fulfillment Monitoring and Operations(BKK)
Application Component	SD (<i>Sales and Distribution</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Track Sales Order Details](#)

8.1.9.12 Additional Default Filters in Flexible Analysis Apps

More default filters are available for efficient searches in the following analytical apps:

- [Incoming Sales Orders - Flexible Analysis](#)
- [Sales Volume - Flexible Analysis](#)
- [Sales Quotations - Flexible Analysis](#)
- [Customer Returns - Flexible Analysis](#)

Previously, these filters were not directly visible when you opened the app.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1BS (SAP Fiori Analytical Apps for Sales)
Application Component	Sales Analytics (SD - ANA)
Available As Of	SAP S/4HANA 2021

Additional Details

The following table lists the new default filters in these apps:

Analytical App	Additional Default Filter
Incoming Sales Orders - Flexible Analysis	<ul style="list-style-type: none">• Sales organization
Sales Volume - Flexible Analysis	<ul style="list-style-type: none">• Distribution channel• Division• Sales office• Sold-to party• Product

Analytical App	Additional Default Filter
Sales Quotations - Flexible Analysis	<ul style="list-style-type: none"> • Sales organization
Customer Returns - Flexible Analysis	<ul style="list-style-type: none"> • Distribution channel • Sales office • Sold-to party • Product

Note

To use non-default filters, open the filter menu above the table and select desired ones.

Related Information

[Sales Quotations - Flexible Analysis](#)

[Customer Returns - Flexible Analysis](#)

[Incoming Sales Orders - Flexible Analysis](#)

[Sales Volume - Flexible Analysis](#)

8.1.9.13 *Pricing Elements - Flexible Analysis*

The following enhancements have been made to the *Pricing Elements - Flexible Analysis* app:

- Multiple condition types
You can now filter on more than one condition type.
- Mandatory filter on the number of evaluation days (the number of days counting back from the current date)
This replaces the previous mandatory filter on the start of quarter.
- Additional optional filters
You now have the option of filtering on condition type, condition class, sales organization, distribution channel, division, and sales office.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	SAP Fiori Analytical Apps for Sales (1BS)

Application Component	SD (<i>Sales and Distribution</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Pricing Elements - Flexible Analysis](#)

8.1.9.14 Solution Order Fields Added to Analytical Apps

The solution order and solution order item fields are now available in the following apps:

- [Sales Volume - Flexible Analysis](#)
- [Sales Volume - Detailed Analysis](#)

The solution order field is now available in the [Customer Returns - Flexible Analysis](#) app.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1BS (SAP Fiori Analytical Apps for Sales)
Application Component	SD-ANA (<i>Sales Analytics</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

[Sales Volume - Flexible Analysis](#)

You can do the following based on the new fields:

- Analyze sales volume by solution order or solution order item
- Confine your analysis to particular solution orders or solution order items

[Sales Volume - Detailed Analysis](#)

You can view solution order information in the sales volume for billing document items.

i Note

To navigate to the sales volume for billing document items, choose the "listing of billing document items" category in your analysis step.

[Customer Returns - Flexible Analysis](#)

You can do the following based on the new field:

- Analyze customer returns by solution order
- Confine your analysis to particular solution orders

Related Information

[Sales Volume - Flexible Analysis](#)

[Sales Volume - Detailed Analysis](#)

[Customer Returns - Flexible Analysis](#)

8.1.9.15 Deprecation of Design Studio Apps in Sales Analytics

Two Design Studio apps have been deprecated and will be removed from the system as of SAP S/4HANA 2022.

We recommend that you switch to the succeeding Web Dynpro apps, which are the default tiles on the SAP Fiori launchpad.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	1BS (SAP Fiori Analytical Apps for Sales)
Application Component	Sales Analytics (SD-ANA)
Available As Of	SAP S/4HANA 2021

Additional Details

Deprecated Design Studio apps and their succeeding Web Dynpro apps are listed as follows:

Fiori ID	Design Studio App Name	Successor App
W0140	Sales Quotations - Flexible Analysis	F4093
W0139	Customer Returns - Flexible Analysis	F3889

With SAP S/4HANA 2021, the Web Dynpro version of the tiles became the default tiles on the SAP Fiori launchpad. The Design Studio version of the tiles was moved to the app finder.

For benefits of the Web Dynpro data grid as the default reporting tool for drill-down reporting, see [Deprecation of SAP Design Studio Apps \[page 1056\]](#).

Effects on Existing Data

You can continue to use Design Studio reports that you created using the [View Browser](#). However, you can no longer create new ones. We recommend creating Web Dynpro reports instead.

Related Information

[View Browser](#)

[Using Analytical Reports \(Web Dynpro Apps\)](#)

[Sales Quotations - Flexible Analysis](#)

[Customer Returns - Flexible Analysis](#)

[Deprecation of SAP Design Studio Apps \[page 1056\]](#)

8.1.9.16 CDS Views for Data Extraction

The following CDS views have been released for data extraction:

- [Data Extraction for Change Document Item](#) (C_SalesChangeDocItemDEX)
- [Data Extraction for Multi-Level Process Flow](#) (C_SDDocMultiLevelProcFlowDEX)

These CDS views are app-independent, and enable you to display the relationships between your SD documents and display change document information for your sales documents, and extract this data to SAP Business Warehouse (SAP BW) or other external systems.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	Not applicable
Application Component	SD-ANA (<i>Sales Analytics</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Data Extraction for Change Document Item](#)
[Data Extraction for Multi-Level Process Flow](#)

8.1.9.17 Deprecation of CDS Views for Data Extraction

The following CDS views for data extraction have been deprecated and replaced by new CDS views.

If you have used the previous CDS views up till now, we recommend that you switch to the new CDS views immediately.

Below is a list of the deprecated and new CDS views for data extraction:

Deprecated and New CDS Views

Deprecated CDS View	New CDS View
<i>Data Extraction for Billing Doc Item Pricing Element Basic</i> (C_BillgDocItmPrcgElmntBscDEX)	<i>Data Extraction for Billing Doc Item Pricing Element Basic</i> (C_BillgDocItmPrcgElmntBscDEX_1)
<i>Billing Document Item Basic Extraction Data (Deprecated)</i> (C_BillingDocumentItemBasicDEX)	<i>Data Extraction for Billing Doc Item Basic</i> (C_BillingDocItemBasicDEX_1)
<i>Data Extraction for Sales Document Item Pricing Element</i> (C_SalesDocItmPrcgElmntDEX)	<i>Data Extraction for Sales Document Item Pricing Element</i> (C_SalesDocItmPrcgElmntDEX_1)
<i>Data Extraction for Sales Document Schedule Lines</i> (C_SalesDocumentSchedLineDEX)	<i>Data Extraction for Sales Document Schedule Lines</i> (C_SalesDocumentSchedLineDEX_1)
<i>Data Extraction for Sales Document Item</i> (C_SalesDocumentItemDEX)	<i>Data Extraction for Sales Document Item</i> (C_SalesDocumentItemDEX_1)

Technical Details

Type	Deprecated
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Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SD-ANA (Sales Analytics)
Available As Of	SAP S/4HANA 2021

Related Information

[Data Extraction for Billing Doc Item Pricing Element Basic](#)
[Data Extraction for Billing Doc Item Pricing Element Basic](#)
[Data Extraction for Sales Document Item Pricing Element](#)
[Data Extraction for Sales Document Schedule Lines](#)
[Data Extraction for Sales Document Item](#)

8.1.10 Basic Functions

8.1.10.1 Custom Fields in Output Parameter Determination for Sales Documents

With this feature, you can enable the [Sales Document Output Management Parameter Determination](#) usage in the [Custom Fields](#) app. This allows you to create business rules with the custom fields in the [Output Parameter Determination](#) app and trigger output when such custom fields are changed in sales documents (such as sales inquiries, sales quotations, sales contracts, sales scheduling agreements, and sales orders).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock), I9I (Sales Contract Management), 3NR (Sales Scheduling Agreements), BDG (Sales Quotation), 1IQ (Sales Inquiry),
Application Component	SD-SLS-GF-OC (S/4HANA: Output Control on Sales Documents)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

Before you use custom fields in the [Output Parameter Determination](#) app, you must create your custom fields and then enable usage [Sales Order Output Management Parameter Determination](#) in the [Custom Fields](#) app.

Related Information

[Output Parameter Determination](#)
[Custom Fields App and Custom Logic App](#)

8.1.11 Integration

8.1.11.1 Automation of Order-to-Invoice with Ariba Network (4A1)

With this release, scope item 4A1 (Automation of Order-to-Invoice with Ariba Network) now supports the following:


- Receive information on sold-to party information, buyer's organization, and reference, as well as a indicator which defines which address data to be used from Ariba Network via the API [Sales Order/Customer Return - Confirm Processing \(B2B\)](#)
- Send item level tax information and VAT registration number to Ariba Network via the API [Customer Invoice - Send \(B2B\)](#)
- Set your SAP S/4HANA system to flexibly determine the internal partner number based on data received via the API [Sales Order/Customer Return - Confirm Processing \(B2B\)](#)
- Use the mediated connectivity integration method involving SAP Integration Suite and native APIs to connect Ariba Network or SAP Ariba solutions with SAP S/4HANA through SAP Ariba Cloud Integration Gateway.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4A1 (Automation of Order-to-Invoice with Ariba Network)
Application Component	BNS-INT-ARI (Ariba Integration with SAP S/4HANA)
Available As Of	SAP S/4HANA 2021

Additional Details

For more information about updates in scope-item-related APIs, see the related What's New topics.

For more information about implementing the flexible determination of internal partner number, see *Flexible Determination of Internal Partner Numbers* in chapter *Configuration in SAP S/4HANA* in [Setting Up Automation of Order-to-Invoice with Ariba Network \(4A1\)](#) .

For more information about implementing this process, see the set-up instructions for scope item 4A1 in [SAP Best Practices Explorer](#).

Related Information

[SOAP API: Sales Order/Customer Return - Create, Update, Cancel \(B2B\) \[page 655\]](#)

[SOAP API: Sales Order/Customer Return - Confirm Processing \(B2B\) \[page 656\]](#)

[SOAP API: Outbound Delivery – Notify \(B2B\) \[page 975\]](#)

[SOAP API: Tax-Related Fields Added to Customer Invoice - Send \(B2B\) \[page 671\]](#)

[Automation of Order-to-Invoice with Ariba Network](#)

[Flexible Determination of Internal Partner Numbers](#)

8.1.12 Multiple Address Handling in SD Documents Using SAP Business Partner

With this set of features, you enable applications and documents across the sales process and beyond to consume parts of the SAP Business Partner data model that can provide multiple addresses with time-dependent validities and address-dependent data per BP master record. Note that enabling multiple address handling requires the activation of two separate business functions.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	BC-SRV-BP (<i>Business Partner Foundation</i>)
	LO-MD-BP (<i>Business Partners</i>)
	SD-BF-PD (<i>Partner Determination</i>)
	SD-MD (<i>Master Data</i>)
	SD-SLS-QUT (<i>Sales Inquiries / Sales Quotations</i>)
	CRM-S4-SOL-SQ (<i>S4CRM: Solution Quotation</i>)
	SD-MD-CM (<i>Conditions</i>)
	SD-SLS-OA-CCO (<i>Customer Contract</i>)
	SD-SLS-OA-SCH (<i>Customer Scheduling Agreement</i>)
	SD-SLS (<i>Sales</i>)
	LE-SHP (<i>Shipping</i>)
	SD-BIL (<i>Billing</i>)
	SD-SLS-RE (<i>Customer Returns</i>)
	SD-ANA (<i>Sales Analytics</i>)
	SD-SLS-GF-OC (<i>S/4HANA: Output Control on Sales Documents</i>)
	SD-EDI (<i>Electronic Data Interchange</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

With multiple address handling, you can increase the flexibility and efficiency with which the system handles business partner addresses in applications and documents (for example, sales orders and billing documents) across sales and distribution (SD) and some other parts of the system (for example, settlement management).

When multiple address handling is not active, the system uses the standard customer master data model for SD, which can only store a single customer address per customer master record. A legal entity with N addresses is therefore typically maintained as N parallel customer master records assigned to the same number of N business partner (BP) master records. This in turn leads to data redundancies, because the same legal entity is often represented in the system multiple times, once for each physical address.

When multiple address handling is active and customer master data has been consolidated as required, SD applications can model and process the relationships between BPs and their addresses in a way that more closely reflects the real-world legal and physical realities, where a single legal entity can have multiple physical addresses. For data consolidation best practices, see the **Master Data Guide** and **Master Data Migration Guide** attached to SAP Note [3067314](#).

Applications and documents across SD can then consume multiple addresses and address-dependent data of the same business partner master record that is assigned to a single customer master record.

Features

Multiple address handling consists of several related features. After it has been activated, and after you have consolidated and enriched your master data as required, you can benefit from the following main features when creating and processing SD documents:

- Consumption of multiple addresses per business partner (BP) across the entire quote-to-cash process
The standard customer master record can only hold a single, standard address. Enabling multiple address handling unlocks parts of the SAP Business Partner data model for SD applications and documents, enabling them to support and consume multiple addresses per BP master record.
- Enhanced data model for SAP business partner master data and customer master data
The master data model, comprising both the BP master and customer master, has been enhanced with the capability to store address-dependent data. For certain fields in customer master data, it's now possible to maintain different values for respective addresses of a business partner. You can maintain address-dependent data in the [Manage Business Partner Master Data](#), [Manage Customer Master Data](#), and [Maintain Business Partner](#) apps. For more information and a list of potentially address-dependent fields, see [Address-Dependent Data](#).
- Time-dependent validity of addresses and automatic validity checks across consuming applications
In the BP master record, validity periods can now not only be **defined** for BP addresses, but also **consumed** by SD documents. Automatic checks during the creation and saving of SD documents help ensure that the system uses only valid addresses at all times.
- Automatic address selection prompt added to apps for creating sales documents and outbound deliveries without order reference
During the creation of sales documents (for example, in the [Create Sales Orders - VA01](#)) app and outbound deliveries without order reference (in the [Create Outbound Delivery - Without Order Reference](#) app), the system prompts you to select the relevant address of a BP.
- Address selection button added to apps for creating and changing sales documents
The header partner and item partner tabs in multiple apps for creating and changing sales documents (for example, the [Create Sales Orders - VA01](#) and [Change Sales Contracts](#) apps) have been enhanced with an address selection button. The button allows you to select an address (for relevant partner functions) from the list of valid addresses maintained in the BP master data, or to change the proposed partner addresses for new or existing sales documents.
- Propagation of address-dependent data from business partner master records to new and changed sales documents
Because the SAP Business Partner data model supports the enrichment of a customer's BP master data with address-dependent attributes, applications can automatically consume address-dependent values for these attributes when sales documents are created or changed.
- Enhanced partner determination procedure
To facilitate the determination of multiple addresses per partner, the partner determination procedure (SD-BF-PD) has been enhanced. For more information, see [Address Determination in SD Documents](#).

For more information about these features, see [Feature Overview for Multiple Address Handling](#).

Prerequisites

For a complete overview of multiple address handling in SD documents and how to enable it, see [Multiple Address Handling in SD Documents Using SAP Business Partner](#). This page is the central entry point for all information about multiple address handling in SD documents.

To make use of multiple address handling, you must first activate the following two business functions in the provided order. The first one enables you to maintain address-dependent master data. The second one enables SD documents to consume multiple addresses per BP, as well as the associated address-dependent data.

1. [Multiple Address Handling for Customer Master Data in Business Partner](#)
(BPCUSTOMER_MULTIPLE_ADDRESSES)
2. [Multiple Address Handling for Business Partners in Sales and Distribution](#)
(Q2C_MULTIPLE_BP_ADDRESSES)

For more information, click the respective business function name to read its full description. Before making a decision to activate these business functions, please familiarize yourself thoroughly with all four links provided in the current section.

For technical guides (for example, **Master Data Guide** and **Configuration Guide**) and important restrictions, see SAP Note [3067314](#). Please pay particular attention to the restrictions for specific countries or regions.

Integration

Activation of the business function [Multiple Address Handling for Business Partners in Sales and Distribution](#) (Q2C_MULTIPLE_BP_ADDRESSES) enables a wide range of SD applications and their respective documents (and some other areas) to make use of multiple address handling. The following functional areas are enabled to work with the new functionality and, in some cases, have been specifically enhanced with additional features:

- Sales master data management (SD-MD)
- Sales quotation management (SD-SLS-QUT)
- Solution quotation management (CRM-S4-SOL-SQ)
- Price management (SD-MD-CM)
- Sales contract management (SD-SLS-OA-CCO, SD-SLS-OA-SCH)
- Sales order management and processing (SD-SLS)
- Delivery management (LE-SHP)
- Sales billing (SD-BIL)
- Claims, returns, and refund management (SD-SLS-RE)
- Sales monitoring and analytics (SD-ANA)
- Output management (SD-SLS-GF-OC)
- Electronic data interchange (EDI) (SD-EDI)

Many APIs and BAPIs (Business Application Programming Interfaces) in the above areas and in SAP Business Partner have also been enhanced to support multiple address handling:

- For enhanced APIs in sales and beyond, see [Additional System Enhancements for Multiple Address Handling](#).
- For enhanced APIs in SAP Business Partner, see [Multiple Address Handling for Customer Master Data in Business Partner](#).

In addition, the following functional areas and products are also integrated with the functionality that the business function unlocks:

- [Settlement Management](#) (LO-AB) and [Global Trade Management](#) (LO-GT) reuse the provided logic for sales document processing.
In global trade management, when you change the ship-to address in a drop shipment scenario, this change is copied into the purchase order as the relevant delivery address.
- [Operational Procurement](#) (MM-PUR) supports the integration of multiple addresses in the third-party order process, meaning that delivery address information can be passed from sales orders to subsequent purchase requisitions and purchase orders.
- [Basic Warehouse Management and Extended Warehouse Management](#) (SCM-EWM), as well as an integrated SAP Extended Warehouse Management system, already use BP standard addresses as the

ship-to addresses in outbound deliveries. When the business function is active, this is extended to the consumption of multiple, time-dependent addresses of the BP in order-related outbound delivery processes in which the specific address to be used is already determined in the order.

- Support of multiple address handling in [Master Data Governance for Customer \(MDG-C\)](#) can be enabled by activating the [Master Data Governance for Customer 2021](#) business function.
- The interface of SAP Global Trade Services has been adapted to support multiple and time-dependent addresses.
- Multiple and time-dependent addresses of BPs are considered in the [Vehicle Management System \(IS-A-VMS\)](#) (customer ordering and delivery process) and just-in-time processing (supply to customer).

Effects on Existing Data

Please be aware that the two business functions that enable multiple address handling are irreversible and, once enabled, cannot be disabled.

However, activation should not have any disruptive effects, and all business processes remain as they are. **No existing master data records are changed automatically.**

- Activation of the [Multiple Address Handling for Customer Master Data in Business Partner](#) (BPCUSTOMER_MULTIPLE_ADDRESSES) business function simply provides the prerequisites for consolidating existing master data and enriching it with address-dependent data.
- Activation of the [Multiple Address Handling for Business Partners in Sales and Distribution](#) (Q2C_MULTIPLE_BP_ADDRESSES) causes partner functions in newly created SD documents to reference addresses maintained in BP master data records, instead of the standard addresses maintained in customer master data records.

No business data is changed, and the system will still be able to process SD documents created before business function activation that reference customer master data records.

Effects on Customizing

You can activate the aforementioned business functions in Customizing under ► [SAP Customizing Implementation Guide](#) ► [Activate Business Functions](#) ▾. Before doing so, please familiarize yourself thoroughly with the information provided and linked in this document.

For information about Customizing activities that have been enhanced to facilitate multiple address handling, see [Additional System Enhancements for Multiple Address Handling](#).

For more information about configuring multiple address handling, see the **Configuration Guide** attached to SAP Note [3067314](#) 📄.

Related Information

[Multiple Address Handling in SD Documents Using SAP Business Partner](#)

[Multiple Address Handling in Customer Master Data](#)

[SAP Note 3067314](#)

[Multiple Address Handling for Business Partners in Settlement Management](#)

[Maintain Return Addresses of Suppliers Using Multiple Address Handling for Business Partners in Sales and Distribution \[page 681\]](#)

[Multiple Address Handling for Customer Field in Third-Party Purchase Order \[page 839\]](#)

[Business Partner: Adoption of multiple Addresses in Global Trade Services \[page 406\]](#)

[Multiple Address Handling in Vehicle Management System Using SAP Business Partner \[page 1333\]](#)

[Address-Dependent Data](#)

[SAP Business Partner](#)

8.1.13 CDS Views for Sales

New CDS views have been added to Sales, or existing ones have been changed. For information about CDS Views for data extraction, see [CDS Views for Data Extraction \[page 713\]](#) and [Deprecation of CDS Views for Data Extraction \[page 714\]](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	See the table below.
Application Component	SD (Sales and Distribution)
Available As Of	SAP S/4HANA 2021

Additional Details

The following CDS views have been released:

Name	Application Component	Solution Capability
I_SalesSchedgAgrmtRelType (Sales Scheduling Agreement Release Type)	SD-SLS-OA-SCH (Customer Scheduling Agreement)	Sales Contract Management
I_SalesSchedgAgrmtRelTypeText (Sales Scheduling Agreement Release Type - Text)	SD-SLS-OA-SCH (Customer Scheduling Agreement)	Sales Contract Management

Name	Application Component	Solution Capability
I_SalesContractStdVH (<i>Sales Contract Value Help</i>)	SD-SLS-OA-CCO (<i>Sales Contract Management</i>)	Sales Contract Management
I_SlsContrItemPricingElement (<i>Sales Contract Item Pricing Element</i>)	SD-SLS-OA-CCO (<i>Sales Contract Management</i>)	Sales Contract Management
I_SDIncompletionStatusGroup (<i>Incompletion Status Group</i>)	SD-SLS (<i>Sales</i>)	Sales Order Management and Processing
I_ReturnsInspectionCode (<i>Returns Inspection Code</i>)	SD-SLS-RE (<i>Customer Return</i>)	Claims, Returns, and Refund Management
I_ReturnsInspectionCodeText (<i>Returns Inspection Code - Text</i>)	SD-SLS-RE (<i>Customer Return</i>)	Claims, Returns, and Refund Management
I_ReturnsFollowUpActivity (<i>Logistical Follow-Up Activities for Customer Returns</i>)	SD-SLS-RE (<i>Customer Return</i>)	Claims, Returns, and Refund Management
I_ReturnsFollowUpActivityText (<i>Logistical Follow-Up Activities for Customer Returns - Text</i>)	SD-SLS-RE (<i>Customer Return</i>)	Claims, Returns, and Refund Management
I_PartnerFunctionLangDepdnt (<i>Language-Dependent Code of Partner Function</i>)	SD-BF-PD (<i>Partner determination</i>)	Sales Master Data Management
I_CollectiveProcessing (<i>Collective Processing for Sales Documents</i>)	SD-BF (<i>Basic Functions</i>)	Sales Order Management and Processing
I_CollectiveProcessingErrorLog (<i>Collective Processing Error Log</i>)	SD-BF (<i>Basic Functions</i>)	Sales Order Management and Processing

The following CDS views have been enhanced:

Name	What's Changed	Application Component	Solution Capability
I_CustomerPaymentTermsText (<i>Customer Payment Terms - Text</i>)	Data extraction to SAP Business Warehouse (SAP BW) and other external systems is now available.	SD-SLS (<i>Sales</i>)	Sales Master Data Management
I_DistributionChannel (<i>Distribution Channel</i>)	Data extraction to SAP Business Warehouse (SAP BW) and other external systems is now available.	SD-SLS (<i>Sales</i>)	Sales Master Data Management
I_DistributionChannelText (<i>Distribution Channel - Text</i>)			

Name	What's Changed	Application Component	Solution Capability
I_Division (Division)	Data extraction to SAP Business Warehouse (SAP BW) and other external systems is now available.	SD-SLS (Sales)	Sales Master Data Management
I_DivisionText (Division - Text)			
I_SalesDistrict (Sales District)	Data extraction to SAP Business Warehouse (SAP BW) and other external systems is now available.	SD-SLS (Sales)	Sales Master Data Management
I_SalesDistrictText (Sales District - Text)			
I_SDDocumentPartner (Sales Document Partner)	New field VATRegistration (VAT registration number) has been added.	SD-BF-PD (Partner Determination)	Sales Order Management and Processing
I_SalesSchedgAgrmt (Sales Scheduling Agreement)	New fields OverallTrdCmplncEmbargoSts (Embargo Status), OvrlTrdCmplncLegalCtrlChkSts (Legal Control Status), OvrlTrdCmplncSctndLstChkSts (Watch List Screen Status) have been added.	SD-SLS-OA-SCH (Customer Scheduling Agreement)	Order and Contract Management

The following analytical views have been relabelled:

Technical Name	Old Label	New Label
I_CreditMemoRequestItemCube	Analytics - Credit Memo Request Cube	Credit Memo Request Item - Cube
C_CreditMemoRequestItemQry	Analytics - Credit Memo Request Item Query	Credit Memo Request Item - Query
I_DebitMemoRequestItemCube	Analytics - Debit Memo Request Cube	Debit Memo Request Item - Cube
C_DebitMemoRequestItemQry	Analytics - Debit Memo Request Item Query	Debit Memo Request Item - Query
I_CustomerReturnItemCube	Analytics - Customer Return Cube (deprecated)	Customer Return Item - Cube (deprecated)
I_CustomerReturnItemCube_2	Analytics - Customer Return Cube	Analytics - Customer Return Cube
I_CUSTOMERRETURNRATECUBE	Analytics - Customer Return Rate Cube	Customer Return Rate - Cube
C_CustomerReturnItemQry	Analytics - Customer Return (deprecated)	Customer Return Item - Query (deprecated)
C_CustomerReturnItemQry_2	Customer Returns - Flexible Analysis	Customer Return Item - Query
C_CustomerReturnRateQry	Analytics - Customer Return Rate	Customer Return Rate - Query
I_SalesContractItemCube	Analytics - Sales Contract Cube	Sales Contract Item - Cube

Technical Name	Old Label	New Label
I_SalesContractItemFlfmtCube	<i>Analytics - Sales Contract Fulfillment Rate Cube</i>	<i>Sales Contract Fulfillment Rate - Cube</i>
C_SalesContractItemQry	<i>Analytics - Sales Contract</i>	<i>Sales Contract Item - Query</i>
C_SalesContractItmFlfmtQ	<i>Analytics - Sales Contract Fulfillment Rate</i>	<i>Sales Contract Fulfillment Rate - Query</i>
I_SalesSchedgAgrmtItemCube	<i>Analytics - Sales Scheduling Agreement Item Cube</i>	<i>Sales Scheduling Agreement Item - Cube</i>
C_SalesSchedgAgrmtItemQry	<i>Analytics - Sales Scheduling Agreement Item</i>	<i>Sales Scheduling Agreement Item - Query</i>
I_SalesOrderCube	<i>Analytics - Sales Order Cube</i>	<i>Sales Order - Cube</i>
I_SalesOrderItemCube	<i>Analytics - Incoming Sales Order Cube</i>	<i>Sales Order Item - Cube</i>
C_SalesOrderQuery	<i>Analytics - Sales Order</i>	<i>Sales Order - Query</i>
C_SalesOrderItemQry	<i>Analytics - Incoming Sales Order</i>	<i>Sales Order Item - Query</i>
I_SalesQuotationItemCube	<i>Analytics - Sales Quotation Cube (deprecated)</i>	<i>Sales Quotation Item - Cube (deprecated)</i>
I_SalesQuotationItemCube_2	<i>Analytics - Sales Quotation Cube</i>	<i>Sales Quotation Item - Cube</i>
I_SlsQtanConversionRateCube	<i>Analytics - Quotation Conversion Rate Cube</i>	<i>Sales Quotation Conversion Rate - Cube</i>
C_SalesQuotationItemQry	<i>Sales Quotations - Flexible Analysis</i>	<i>Sales Quotation Item - Query</i>
C_SlsQtanConversionRateQ	<i>Analytics - Quotation Conversion Rate</i>	<i>Sales Quotation Conversion Rate - Query</i>
I_BillingDocumentItemCube	<i>Analytics - Sales Volume</i>	<i>Sales Volume - Cube</i>
C_SalesVolumeAnalyticsQry	<i>Analytics - Sales Volume</i>	<i>Sales Volume - Query</i>
C_RevenueFromInvoiceQry	<i>Analytics - Sales Volume Flexible Analysis</i>	<i>Sales Volume Flexible Analysis - Query</i>
I_BillgItmPrcgElForCoTypAn	<i>Core Analytics View: Billing Document Item Pricing Element</i>	<i>Billing Document Item Pricing Element Analytics</i>
I_BillgItmPrcgElForCoTypC	<i>Analytics - Billing Document Item Pricing Element Cube</i>	<i>Billing Document Item Pricing Element - Cube</i>
C_BillgItmPrcgElForCoTypQ	<i>Analytics - Billing Item Pricing Element for Condition Type</i>	<i>Billing Item Pricing Element for Condition Type – Query</i>

You can access the CDS views in the [View Browser](#) app.

Related Information

[View Browser](#)

8.1.14 Deprecation of ProfitabilitySegment in CDS Views for Order and Contract Management

The field `ProfitabilitySegment` was deprecated with SAP S/4HANA 2021 and will be replaced with the field `ProfitabilitySegment_2`. We recommend that you switch to the field `ProfitabilitySegment_2` as soon as possible.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SD (<i>Sales and Distribution</i>), SD-ANA (<i>Sales Analytics</i>), SD-BIL (<i>Billing</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

- The field `ProfitabilitySegment_2` is a character field (CHAR), while the field `ProfitabilitySegment` is a numeric character field (NUMC). The field lengths are the same.
- If no profitability segment is assigned to the field `ProfitabilitySegment_2`, there may be entries with a space (new entries), entries with 0000000000 (old entries), or both. When you switch to the field `ProfitabilitySegment_2`, you must adapt your code that checks whether the field is empty (that is, a space or 0000000000).
- The field `ProfitabilitySegment_2` will contain non-numeric characters (that is, characters from A to Z) after the system reaches the highest numerical value.

The following table shows the affected CDS views and their related apps:

Affected CDS Views and Apps

CDS View	Related App	Application Component
<i>Billing Document Item Basic Extended</i> (<code>I_BillingDocExtdItemBasic</code>)	Not applicable	SD-BIL (<i>Billing</i>)
<i>Billing Document Item</i> (<code>I_BillingDocumentItem</code>)	Not applicable	

CDS View	Related App	Application Component
Billing Document Item Basic (I_BillingDocumentItemBasic)	Not applicable	
Billing Document Request Item (I_BillingDocumentRequestItem)	Not applicable	
Preliminary Billing Document Item (I_PrelimBillingDocumentItem)	Not applicable	
Sales Quotation Item (I_SalesQuotationItem)	Not applicable	SD-SLS-QUT (Sales Inquiries / Sales Quotations)
Sales Document Item (I_SalesDocumentItem)	Not Applicable	SD-SLS (Sales)
Sales Order Item (I_SalesOrderItem)	Not Applicable	SD-SLS (Sales)
Item for Sales Order Without Charge (I_SalesOrderWithoutChargeItem)	Not Applicable	SD-SLS (Sales)
Credit Memo Request Item (I_CreditMemoRequestItem)	Not Applicable	SD-SLS (Sales)
Debit Memo Request Item (I_DebitMemoRequestItem)	Not Applicable	SD-SLS (Sales)
Sales Contract Item (I_SalesContractItem)	Not applicable	SD-SLS-OA-CCO (Customer Contract)
Sales Scheduling Agreement Item (I_SalesSchedgAgmtItem)	Not applicable	SD-SLS-OA-SCH (Customer Scheduling Agreement)
Sales Order Item - Cube (I_SalesOrderItemCube)	Not applicable	SD-ANA (Sales Analytics)
Sales Order Item - Query (C_SalesOrderItemQry)	Incoming Sales Orders - Flexible Analysis	SD-ANA (Sales Analytics)
Confirmation of Sales Orders - Query (C_SlsOrdConfAnlytsQry)	Sales Order Items - Confirmed as Requested Sales Order Items - Backorders Sales Orders - Demand Fulfillment	SD-ANA (Sales Analytics)

CDS View	Related App	Application Component
Confirmation of Sales Orders - Cube (I_SlsOrdConfAnalyticsCube)	Sales Order Items - Confirmed as Requested Sales Order Items - Backorders Sales Orders - Demand Fulfillment	SD-ANA (Sales Analytics)
Sales Volume - Cube (I_BillingDocumentItemCube)	Not applicable	SD-ANA (Sales Analytics)
Sales Volume Flexible Analysis - Query (C_RevenueFromInvoiceQry)	Sales Volume - Flexible Analysis	SD-ANA (Sales Analytics)
Customer Return Item (I_CustomerReturnItem)	Not applicable	SD-SLS-RE (Customer Returns)
Customer Return Item Enhanced (I_CustomerReturnItemEnhanced)	Not applicable	SD-SLS-RE (Customer Returns)

Related Information

[Deprecated and Decommissioned CDS Views](#)

[Deprecation of ProfitabilitySegment in CDS Views \[page 1108\]](#)

8.2 Country/Region Specifics

For country/region-specific changes, please see [Country/Region Specifics \[page 1117\]](#).

9 Service

9.1 Service Master Data & Agreement Management

9.1.1 Service Contract Management

9.1.1.1 Ad-hoc Billing for Service Contracts

This feature enables you to use ad-hoc billing plans to define billing values and dates freely for service contract items. You can use the predefined item category *SC Itm (Ad-hoc Bill)* (SCNB) for ad-hoc billing. You can specify the net value of an ad-hoc billing item by using the predefined price condition type for manual item amount (PMV1).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	426 (Service Contract Management)
Application Component	CRM-S4-SRV-CTR (<i>Service Contract and Quotation</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can use the following main features for an ad-hoc billing item:

- Billing according to an ad-hoc billing plan, in which you define the billing dates and billing values. For each billing date, the system generates one billing request line. After you create a billing request line for ad-hoc billing, processing of billing request lines and the subsequent billing process is the same as for the periodic billing plan.
- Billing of remaining net value, which enables the system to automatically generate a billing request line with all the remaining net value.
- A *Billing Plan Is Finalized* indicator that you use to indicate that no more billing is to be planned. After you set the indicator, the billing status of the ad-hoc billing item is set to completely billed when all the billing request lines in the billing plan are invoiced.

- Ability to change the sold-to party of the service contracts that contain one or more items for ad-hoc billing.

Related Information

[Ad-hoc Billing for Service Contracts](#)

9.1.1.2 Auto Renewal of Price Adaptation Items

With this feature, you can enable the auto renewal of a service contract item for price adaptation, depending on how the product master is configured. The item is renewed automatically, according to the renewal period and the contract extension that you specify or that has been configured by the product master.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	426 (Service Contract Management)
Application Component	CRM-S4-SRV-CTR (Service Contract and Quotation)
Valid as Of	SAP S/4HANA 2021

Related Information

[Price Adaptation for Service Contracts](#)
[Auto Renewal of Service Contract Items](#)

9.1.1.3 Contract Auto Renewal Indicator in Product Master

This feature enables users with the [Product Master Data Specialist](#) business role (SAP_BR_PRODMASTER_SPECIALIST) to predefine a contract auto renewal indicator and a default extension period in the product master. As a result, the product that you assign to a service contract item inherits the attribute that you have specified it in the product master.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	426 (Service Contract Management)
Application Component	CRM-S4-SRV-CTR (Service Contract and Quotation)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

To work on product master data, the [Product Master Data Specialist](#) business role (SAP_BR_PRODMASTER_SPECIALIST) must be assigned to your user.

Related Information

[Auto Renewal of Service Contract Items](#)
[Manage Product Master](#)

9.1.1.4 Header Price Agreements in Service Contract

With this feature, you can use the new condition type DSC3 (discount for service contract) to define price agreements at the header level of service contracts. It can be used to apply additional discounts to the service transaction items (such as service order items) when service contract items are assigned to service transaction items after service contract determination.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	426 (Service Contract Management)
Application Component	CRM-S4-SRV-CTR (Service Contract and Quotation)

Related Information

[Price Agreements in Service Contracts](#)

9.1.1.5 Using Custom Condition Types for Price Agreements in Service Contracts

This feature enables you to apply custom condition types to the header and item price agreements defined in service contracts.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	426 (Service Contract Management)
Application Component	CRM-S4-SRV-CTR (Service Contract and Quotation)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

If you want to use custom condition types for price agreements, you must make the necessary settings in the Customizing activity [Define Price Maintenance Scenarios](#) under [Sales and Distribution](#) [Basic Functions](#) [Pricing](#) [Price Maintenance](#). Afterwards, you select the respective scenarios in the following Customizing activities under [Service](#) [Transactions](#) [Basic Settings](#):

- For the service contract header, use the Customizing activity [Define Transaction Types](#)
- For the item level, use the Customizing activity [Define Item Categories](#)

Related Information

[Price Agreements in Service Contracts](#)

9.1.1.6 Services Rendered Dates in Contract Billing Plans

With this feature, you can use the services rendered date to specify the date on which the services were provided. The system uses this date for tax calculation per billing request line. By default, the system uses the billing date as the services rendered date.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	426 (Service Contract Management)
Application Component	CRM-S4-SRV-CTR (Service Contract and Quotation)
Valid as Of	SAP S/4HANA 2021

Additional Details

To show the services rendered date field, you must select it from the personalization options for the table of a billing plan. For service contract items (predefined item category *SCN* and *SCNC*), services rendered dates can only be displayed, and not changed. For service contract items for price adaptation (predefined item category *SCNA*) and ad-hoc billing (predefined item category *SCNB*), you can change the services rendered dates.

Related Information

[Service Contract Item](#)
[Differences in Item Categories](#)

9.1.1.7 Simulation and Parallel Processing for the Generation of Billing Document Requests

With this feature, you can perform simulation and parallel processing when you create billing document requests using the program [Generate Billing Document Requests](#) (CRMS4_BILLING_BDR_GENERATE). You can use simulation to perform a swift test run of the job, without actually creating any billing document requests (BDRs). If your job processes a large data volume, you can use parallel processing to enable the job to process billing request lines in multiple parallel tasks.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	426 (Service Contract Management)
Application Component	CRM-S4-SRV-CTR (Service Contract and Quotation)
Valid as Of	SAP S/4HANA 2021

Related Information

[Service Contract Item](#)

9.1.1.8 Tax Destination Country/Region in Service Contracts

You can use the tax destination country/region in the service contract header to specify which country or region's tax rate is applied to the entire service contract. Generally speaking, the tax destination country/region is derived from the ship-to party at header level. You can always manually set a tax destination country/region if the derived one doesn't meet your business requirements. Whenever the ship-to party at header level changes, the system derives a tax determination country/region again accordingly.

Technical Details

Type	New
------	-----

Functional Localization	Not applicable
Scope Item	426 (Service Contract Management)
Application Component	CRM-S4-SRV-CTR (Service Contract and Quotation)
Valid as Of	SAP S/4HANA 2021

9.1.1.9 SOAP APIs for Service Contracts

Fields have been added to the following services:

- [Service Contract - Create, Update \(Asynchronous\)](#) (ServiceContractRequest_In)
- [Service Contract - Confirm Processing \(Asynchronous\)](#) (ServiceContractConfirmation_Out)
- [Service Contract - Notification Processing \(Asynchronous\)](#) (ServiceContractNotification_Out)

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	426 (Service Contract Management)
Application Component	CRM-S4-SRV-CTR (S4CRM: Service Contract)
Available As Of	SAP S/4HANA 2021

Additional Details

- Field for finalizing the billing plan
The field `BillingPlanIsFinalized` that indicates whether a billing plan is finalized has been added to the items of services [Service Contract - Create, Update \(Asynchronous\)](#) (ServiceContractRequest_In), [Service Contract - Confirm Processing \(Asynchronous\)](#) (ServiceContractConfirmation_Out), and [Service Contract - Notification Processing \(Asynchronous\)](#) (ServiceContractNotification_Out).
- Fields for ad-hoc billing
 - The following fields for ad-hoc billing have been added to the item of service [Service Contract - Create, Update \(Asynchronous\)](#) (ServiceContractRequest_In):

Field	Description	
BillingRequestItem	BillgReqItemDescription	Description of the billing request line
	BillgReqItemBillingDateTime	Billing date and time of the billing request line
	BillgReqItemBillingValue	Billing value of the billing request line
	SettlmtPeriodStartDate	Start date of the settlement period
	SettlmtPeriodEndDate	End date of the settlement period
	BillingBlockReason	Reason for the billing block
	actionCode	Create, Update, and Delete actions
	ServicesRenderedDateTime	Services rendered date and time
PriceAdaptationEntry	SettlementStartDateTime	Settlement start date and time
	ConditionType	Condition type
	ConditionRateValue	Condition rate value
	ConditionCurrency	ISO currency code for ConditionRateValue, such as USD for United States Dollars

- The following fields for ad-hoc billing have been added to the items of services [Service Contract - Confirm Processing \(Asynchronous\)](#) (ServiceContractConfirmation_Out), and [Service Contract - Notification Processing \(Asynchronous\)](#) (ServiceContractNotification_Out):

Field	Description	
BillingRequestLine	BillgReqItemDescription	Description of the billing request line
	SettlementStartDateTime	Settlement start date and time
	SettlementEndDateTime	Settlement end date and time
	BillgReqItemBillingDateTime	Billing date and time of the billing request line
	BillgReqItemBillingValue	Billing value of the billing request line
	BillingBlockReason	Reason for the billing block

Field	Description
BillingBlockReasonDescription	Description of the reason for the billing block
PricingDate	Pricing date
ServicesRenderedDateTime	Services rendered date and time

The APIs are available on the SAP API Business Hub (<https://api.sap.com>).

Related Information

[Service Contract - Create, Update \(Asynchronous\)](#)
[Service Contract - Confirm Processing \(Asynchronous\)](#)
[Service Contract - Notification Processing \(Asynchronous\)](#)

9.1.1.10 Situation Template: Service Contract with Zero Billing Value

You can use this situation template for Situation Handling to inform service professionals and service employees of service contracts that contain one or more billing request lines with a billing value of zero.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	426 (Service Contract Management)
Application Component	CRM-S4-SRV-CTR (<i>S4CRM: Service Contract</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Situation Template: Service Contract with Zero Billing Value](#)

9.1.1.11 Situation Template: Service Contract Item Due to Expire Soon

You can use a situation to get informed automatically about service contract items due to expire within a defined number of days. Using these notifications, you can navigate to the affected service contract and take appropriate action, such as renegotiate the contract or enable auto renewal of the expiring service contract item. You can also use this situation template to have the system close situations automatically when expiring service contract items have been renewed.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	426 (Service Contract Management)
Application Component	CRM-S4-ANA-BI (<i>S4CRM: Business Intelligence</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Situation Template: Service Contract Item Due to Expire Soon](#)
[Expiring Service Contracts Analysis](#)

9.1.2 Service Monitoring and Analytics

9.1.2.1 Service Contract Issues

Using the [Service Contract Issues](#) app, you can monitor and display issues that may impede the fulfillment of service contracts in real time.

Technical Details

Type	New
------	-----

Functional Localization	Not applicable
Scope Item	4 3A (Service Delivery Issue Analysis)
Application Component	CRM-S4-ANA-BI (<i>S4CRM: Business Intelligence</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Service Contract Issues](#)

9.1.2.2 Service Order Issues

Using the [Service Order Issues](#) app, you can monitor and display issues that may impede the fulfillment of service orders and service confirmations.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4 3A (Service Delivery Issue Analysis)
Application Component	CRM-S4-ANA-BI (<i>S4CRM: Business Intelligence</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Service Order Issues](#)

9.1.2.3 Card for Expired Service Contracts

A card for expired service contracts has been added to [Service Management Overview](#). The card displays the value and the total number of all service contracts that expired in the last six months, excluding the current

month. It also allows you to view the top five contracts that expired most recently. From the card, you navigate to the [Manage Service Contracts](#) app to review the expired contracts.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4 3B Service Monitoring and Analytics
Application Component	CRM-S4-ANA-BI (S4CRM: Business Intelligence)
Valid as Of	SAP S/4HANA 2021

Related Information

[Service Management Overview](#)

9.1.2.4 Card for Expiring Service Contract Items

A card for expiring service contract items has been added to [Service Management Overview](#). The card displays the value and the total number of all service contract items that will be expiring in next three months, including the current month.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4 3B (Service Monitoring and Analytics)
Application Component	CRM-S4-ANA-BI (S4CRM: BI Data Exchange)
Valid as Of	SAP S/4HANA 2021

Related Information

[Expiring Service Contracts Analysis](#)

9.1.2.5 CDS Views for Service Monitoring and Analytics

In Service Monitoring and Analytics, the CDS view for data for a cancellation procedure for service contracts is released. In addition, two CDS views have been deprecated and have been replaced by successor views with improved architecture.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-ANA-CDS (S4CRM: Analytics Data Service)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following CDS view has been released:

CDS View	Purpose
Service Cancellation Procedure (I_SrvcCancInProcedure)	Can be used to define a cancellation procedure for service contracts

CDS views [Service Order - Cube](#) (I_ServiceOrderCube) and [Service Contract Cube](#) (I_ServiceContractCube) have been deprecated and won't be available as of release SAP S/4HANA 2021. Their successors are [Service Order - Cube](#) (I_ServiceOrderCube_2) and [Service Contract - Cube](#) (I_ServiceContractCube_2) respectively. These views have an improved design from the architecture perspective.

In addition, the views [Service Order - Cube](#) (I_ServiceOrderCube_2) and [Service Contract - Cube](#) (I_ServiceContractCube_2) have been enhanced with the field [External Reference](#) (PurchaseOrderByCustomer). This field can be used to access information on external documents referenced in the current transaction.

Related Information

[Service Cancellation Procedure](#)

[Service Contract - Cube](#)

[Service Order - Cube](#)

9.1.2.6 CDS View for Data Extraction

A CDS view for CDS-based extraction of service contract data has been released: [Data Extraction for Service Contract](#) (C_ServiceContractItemDEX). This CDS view is app independent and is available for all external consumers who want to extract service contract header and item data, including custom field data, to SAP Business Warehouse (SAP BW) or other external systems.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-ANA-CDS (S4CRM: Analytics Data Service)
Valid as Of	SAP S/4HANA 2021

Additional Details

Along with service contract data, you can also extract the data of preceding transactions or data related to reference objects. In addition, the view is GDPR compliant: It allows external systems to receive notifications about service contracts that have been archived or destroyed in the application system.

Related Information

[Data Extraction for Service Contract](#)

9.1.2.7 Deprecation of `srq_work_dura` in CDS Views for Service Monitoring and Analysis

The field `srq_work_dura` was deprecated with SAP S/4HANA 2021 and was replaced with the field `srq_work_dura_2`. We recommend that you switch to the field `srq_work_dura_2` as soon as possible.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-ANA-CDS (S4CRM: Analytics Data Service)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following CDS views and their related apps are affected:

- `I_SERVICEDOCUMENTITEM`
- `I_SERVICEDOCUMENTITEMENHCD`

Related Information

[Service Transaction Item](#)
[Service Transaction Item Enhanced](#)

9.1.2.8 Filter for Requested End Date of Overdue Service Orders

A compact filter for the requested end date of a service order has been added to the [Overdue Service Orders Analysis](#) app. You can use this filter to select all overdue service order items whose requested end date is in the date range that you specify.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4 3B Service Monitoring and Analytics
Application Component	CRM-S4-ANA-BI (<i>S4CRM: Business Intelligence</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Overdue Service Orders Analysis](#)

9.1.2.9 Item Category Filter for Incomplete Service Orders

A filter for the item category has been added to the *Service Orders Analysis* app. There is a visual filter and a compact filter. The visual filter shows the top three item categories used in service order items of the incomplete service orders. With the compact filter, you can filter the data by any item category that is available in the system.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4 3B
Application Component	CRM-S4-ANA-BI (<i>S4CRM: Business Intelligence</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Service Orders Analysis](#)

9.1.2.10 Service Orders Analysis: Item Category Filter

Using the filter [Item Category](#), you can now filter and analyze the list of service order items by item category in the [Service Orders Analysis](#) app.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4 3B (Service Monitoring and Analytics)
Application Component	CRM-S4-ANA-BI (S4CRM: Business Intelligence)
Valid as Of	SAP S/4HANA 2021

Related Information

[Service Orders Analysis](#)

9.1.3 Service and Maintenance Plan

9.1.3.1 BAdI: Enhancement of Service Order Generation

You can use this BAdI to adapt the predefined service order generation logic. With this BAdI, you can adapt fields in the header and items of the generated service orders, for example, you can use this BAdI to change the number of items, quantity, and reference objects in a service order item.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4X5 (Recurring Services)

Application Component	CRM-S4-SRV-MNP (<i>Recurring Service</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[BAdI: Enhancement of Service Order Generation](#)

9.1.3.2 Display of Service Planning History

With this feature, service planners and customer service managers can view the service planning history of a technical object used in recurring service in the *Find Technical Object* app. The detailed service planning history of a technical object used in recurring service is displayed in the *Maintenance Items for Service* facet.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4X5 (Recurring Services)
Application Component	CRM-S4-SRV-MNP (<i>Recurring Service</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Display of Service Planning History](#)

9.2 Service Operations & Processes

9.2.1 Service Order Management

9.2.1.1 Service Order Events

With this feature, the business events `ReleaseRevoked` and `ChgdWhenReleased` are available for service orders.


Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SRV (<i>Service Management</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

- `ReleaseRevoked`: This event is raised when a released service order is reset to *Open* or *In Process*.
- `ChgdWhenReleased`: This event is raised when a released service order is changed and set to *Released* again.

Further Information

SAP API Business Hub at <http://api.sap.com/> 

Related Information

[Service Order Events](#)

9.2.1.2 Service Rendered Date for Service Confirmations

With this feature, you can use the field [Service Rendered Date](#) to record the date on which the expenses were incurred or a goods issue was posted for a pick-from-stock service part. You can enter the date of cost postings for the relevant service confirmation item types, such as expense items and pick-from-stock items.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SRV (Service Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Service Confirmations](#)

9.2.1.3 Output Management for Service Orders, Service Quotations, and Service Contracts

This feature enables you to use output functions such as printing, sending e-mail, or editing form templates for service orders, service quotations, and service contracts.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SRV (Service Management)

Additional Details

You can activate output management for each service object and the corresponding application object type under ► [Cross Application Components](#) ► [Output Control](#) ► [Manage Application Object Type Activation](#) ►.

Note

You can't use output management and PPF (Post Processing Framework) for output control at the same time. If you activate output management, the following PPF actions can't be scheduled :

- External Communication
- Smart Forms Fax
- Smart Forms Mail
- Smart Forms Print

Related Information

[Output Management for Service Orders, Service Quotations, and Service Contracts](#)

9.2.1.4 Fixed Price Item Categories for Service Order Quotations, Service Orders, and Service Confirmations

With this feature, you can use fixed price item categories for service order quotations, service orders, and service confirmations.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SRV (Service Management)

Additional Details

You can use the following fixed price item categories for service order quotations, service orders, and service confirmations.

- Service Order Quotations:
 - **SFQS** for fixed price service items
 - **SFQM** for fixed price service part items
 - **SFQE** for fixed price expense items
- Service Orders:
 - **SFOS** for fixed price service items
 - **SFOM** for fixed price service part items
 - **SFOE** for fixed price expense items
- Service Confirmations:
 - **SFCS** for fixed price service items
 - **SFCM** for fixed price service part items
 - **SFCE** for fixed price expense items

Related Information

[Service Order Quotations](#)

[Service Orders](#)

[Service Confirmations](#)

9.2.1.5 SOAP APIs for Service Order

With this feature, the following services and fields have been added to SOAP APIs for service order.

- Services:
 - [Service Order \(Bulk\) - Create, Change \(Asynchronous\)](#) (ServiceOrderBulkRequest_In)
 - [Service Order \(Bulk\) - Confirm Processing \(Asynchronous\)](#) (ServiceOrderBulkConfirmation_Out)
- Fields:
 - EnterpriseServiceOrganization
 - ReferenceInHouseRepair
 - ReferenceInHouseRepairItem

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SRV (Service Management)
Valid as Of	SAP S/4HANA 2021

Additional Details

The different uses of the added fields are described in the following table:

Field	Service	Use
EnterpriseServiceOrganization	ServiceOrderRequest_In ServiceOrderBulkRequest_In ServiceOrderNotification_Out ServiceOrderConfirmation_Out ServiceOrderBulkConfirmation_Out	<p>This field has been added to these services under the node <code>ServiceOrgUnit</code> at header level. You can use this field to define the enterprise service organization.</p> <div>i Note This field is only supported in SAP S/4HANA when the enterprise organizational model is enabled.</div>
ReferenceInHouseRepair		<p>This field has been added to these services at header level. You can use this field to identify the in-house repair ID.</p>
ReferenceInHouseRepairItem		<p>This field has been added to these services at header level. You can use this field to identify the number of the in-house repair item (repair object).</p>

These APIs are available on the SAP API Business Hub (<https://api.sap.com> .

Related Information

[Service Order - Create, Change \(Asynchronous\)](#)
[Service Order - Confirm Processing \(Asynchronous\)](#)

[Service Order \(Bulk\) - Create, Change \(Asynchronous\)](#)
[Service Order \(Bulk\) - Confirm Processing \(Asynchronous\)](#)
[Service Order - Notification Processing \(Asynchronous\)](#)
[SOAP APIs for Repair Orders \[page 772\]](#)
[Service Orders for In-House Repair](#)

9.2.1.6 SOAP APIs for Service Confirmation

With this feature, the following services and fields have been added to SOAP APIs for service confirmation.

- Services:
 - [Service Confirmation \(Bulk\) - Create, Change \(Asynchronous\)](#)
(ServiceConfirmationBulkRequest_In)
 - [Service Confirmation \(Bulk\) - Confirm Processing \(Asynchronous\)](#)
(ServiceConfirmationBulkConfirmation_Out)
- Fields:
 - EnterpriseServiceOrganization
 - ServiceTransactionChargeType
 - SrvctransactionValuationType
 - ServicesRenderedDate

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SRV (Service Management)
Valid as Of	SAP S/4HANA 2021

Additional Details

The different uses of the added fields are described in the following table:

Field	Service	Use
EnterpriseServiceOrganization	ServiceConfirmationRequest_In ServiceConfirmationBulkRequest_In ServiceConfirmationNotification_Out ServiceConfirmationConfirmation_Out ServiceConfirmationBulkConfirmation_Out	This field has been added to these services under the node ServiceOrgUnit at header level. You can use this field to define the enterprise service organization. Note This field is only supported in SAP S/4HANA when the enterprise organizational model is enabled.
ServiceTransactionChargeType		This field has been added to these services at item level. You can use this field to define the service type.
Srvctransactionvaluationtype		This field has been added to these services at item level. You can use this field to define the valuation type.
ServicesRenderedDate		This field has been added to these services at item level. You can use this field to provide the date on which the service was rendered, the expenses were incurred, or a goods issue was posted for a pick-from-stock service part.

These APIs are available on the SAP API Business Hub (<https://api.sap.com>).

Related Information

[Service Confirmation - Create, Change \(Asynchronous\)](#)
[Service Confirmation - Confirm Processing \(Asynchronous\)](#)
[Service Confirmation - Notification Processing \(Asynchronous\)](#)
[Service Confirmation \(Bulk\) - Create, Change \(Asynchronous\)](#)
[Service Confirmation \(Bulk\) - Confirm Processing \(Asynchronous\)](#)

9.2.1.7 Enterprise Organizational Model in SOAP APIs for Service Order Management

With this feature, you can use the enterprise organizational model to define which node or field in SOAP APIs for service order and service confirmation is supported in SAP S/4HANA.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SRV (Service Management)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following nodes and fields are only supported in SAP S/4HANA when the enterprise organizational model is enabled.

- The node `OrgUnit` and the fields under this node
- The fields `EnterpriseServiceOrganization`, `RespyMgmtGlobalTeamID`, `RespyMgmtServiceTeam`, and `RespyMgmtServiceTeamName` under the node `ServiceOrgUnit`
- The fields `RespyMgmtGlobalTeamID`, `RespyMgmtServiceTeam`, and `RespyMgmtServiceTeamName` at item level.

Note

The field `RespyMgmtServiceTeamName` is only in outbound services.

The following nodes and fields are only supported in SAP S/4HANA when the enterprise organizational model is **not** enabled.

- The fields under the node `SalesAreaInService`
- The field `ServiceOrganization` under the node `ServiceOrgUnit`

Effects on Customizing

You can enable the enterprise organizational model in Customizing under ► [Service](#) ► [Basic Functions](#) ► [Enterprise Organizational Management](#) ► [Enable Enterprise Organizational Model](#) ►.

Related Information

[Enterprise Organizational Model](#)
[Service Order - Create, Change \(Asynchronous\)](#)

Service Order - Confirm Processing (Asynchronous)
Service Order - Notification Processing (Asynchronous)
Service Order (Bulk) - Create, Change (Asynchronous)
Service Order (Bulk) - Confirm Processing (Asynchronous)
Service Confirmation - Create, Change (Asynchronous)
Service Confirmation - Confirm Processing (Asynchronous)
Service Confirmation - Notification Processing (Asynchronous)
Service Confirmation (Bulk) - Create, Change (Asynchronous)
Service Confirmation (Bulk) - Confirm Processing (Asynchronous)

9.2.1.8 OData API: *Service Order (A2X)*


With this feature, the following field has been added to OData API for service order:

- `EnterpriseServiceOrganization`. The ID of the enterprise service organization.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SRV (<i>Service Management</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com>)

Related Information

[Service Order \(A2X\)](#)

9.2.1.9 OData API: *Service Confirmation (A2X)*

With this feature, the following field has been added to OData API for service confirmation:

- `EnterpriseServiceOrganization`. The ID of the enterprise service organization.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SRV (<i>Service Management</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com> )

Related Information

[Service Confirmation \(A2X\)](#)

9.2.1.10 OData API: *Service Order Template*

With this feature, the following field has been added to OData API for service order template:


- `EnterpriseServiceOrganization`. The ID of the enterprise service organization.

Technical Details

Type	Changed
------	---------

Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SRV (<i>Service Management</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com> .

Related Information

[Service Order Template](#)

9.2.1.11 Integration with SAP Field Service Management

9.2.1.11.1 Replication of Effort Types

The effort types (tasks) in SAP Field Service Management can now be replicated as service types in service confirmation items in SAP S/4HANA.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	49X (Service Order Processing with SAP Field Service Management)
Application Component	CRM-S4-INT-FSM (<i>Field Service Management Integration</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The effort types in SAP Field Service Management can now be replicated as service types in service confirmation items in SAP S/4HANA. You can configure your custom values for effort types in SAP Field Service Management and service types in Customizing in SAP S/4HANA. You can map the corresponding values using the [Value Mapping Between SAP S/4HANA and SAP Field Service Management](#) integration flow.

Related Information

[Value Mapping](#)

9.2.1.11.2 Replication of Functional Location

It is now possible to differentiate between equipment and functional location linked to a service call or an activity when they are replicated between SAP S/4HANA and SAP Field Service Management.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	49X (Service Order Processing with SAP Field Service Management)
Application Component	CRM-S4-INT-FSM (Field Service Management Integration)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can transfer the main reference object of a service order or a service order item in SAP S/4HANA of the object type functional location to SAP Field Service Management.

In SAP Field Service Management, the [Equipment](#) field can contain both the equipment and the functional location. It's now possible to transfer both the equipment and the functional location of a service call or an activity as the main reference object of the service order and the service order item in SAP S/4HANA. For this purpose, the corresponding object category (EQ or FLOC) needs to be added to the equipment or the functional location.

Related Information

[Integration with SAP Field Service Management](#)

9.2.1.11.3 Replication of Service Calls to Service Orders

Service calls and activities in SAP Field Service Management can now be replicated to service orders and service order items in SAP S/4HANA.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	49X (Service Order Processing with SAP Field Service Management)
Application Component	CRM-S4-INT-FSM (<i>Field Service Management Integration</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

When a service call or an activity is created in SAP Field Service Management, a corresponding service order is created or a service order item is created and released automatically in SAP S/4HANA. The service order type is determined from the value mapping of the service call type. The types that are not mapped are not included in the integration.

i Note

This process is meant for exceptional cases only because the checks that are typically performed when a service order or service order item is released in SAP S/4HANA are not performed in SAP Field Service Management when the service call or the activity is created. In addition, some data might not be determined clearly when the service order or the service order item is created in SAP S/4HANA. This can lead to errors in the service order that you have to resolve manually.

Related Information

[Integration with SAP Field Service Management](#)

9.2.1.11.4 Replication of Service Order Status Change

The change of the service order status from *Released* to *Open* or *In Process* can now be replicated to SAP Field Service Management so that the service call status can be updated accordingly.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	49X (Service Order Processing with SAP Field Service Management)
Application Component	CRM-S4-INT-FSM (<i>Field Service Management Integration</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The change of the service order status from *Released* to *Open* or *In Process* can now be replicated to SAP Field Service Management. In this way, the status of the corresponding service call can be updated in SAP Field Service Management which ensures that this service call is excluded from further processing.

Related Information

[Integration with SAP Field Service Management](#)

9.2.2 In-House Repair Management

9.2.2.1 Enterprise Organizational Management in In-House Repair

This feature integrates Enterprise Organizational Management with In-House Repair. You can use the sales organizational structures from SAP S/4HANA Sales, which makes it easy to use enterprise service organizations and service teams in In-House Repair.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IHR (<i>In-House Repair</i>)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

You can enable the enterprise organizational model in the following Customizing activities:

- Customizing for [Service](#) under [Enable Enterprise Organizational Model](#)
- Customizing for [Enterprise Structure](#) under [Sales and Distribution](#)
- Customizing for [Enterprise Structure](#) under [► Service ► Define Enterprise Service Organization ►](#)

Related Links

- [Enterprise Organizational Management \[page 775\]](#) (What's New)
- [Service Team](#) (Basic Concept)

9.2.2.2 Service Team Integration

This feature enables you to assign service teams to repair quotations, repair orders, and repair confirmations.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IHR (<i>In-House Repair</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

When creating a repair quotation, a repair order, or a repair confirmation for a repair object, the system assigns a service team under [Organizational Data](#). When creating a repair order or a repair confirmation as a follow-up, the repair order or the repair confirmation uses the service team that has been assigned to the predecessor transaction type.

If you enable the service team functionality, the service team is a mandatory field.

Note

In the case of repair quotations, repair orders, and repair confirmations that have been created in releases prior to SAP S/4HANA 2021, you must assign a service team manually.

Effects on Customizing

You can use service teams in In-House Repair if this feature has been enabled in the following Customizing activities for [Service](#):

- [Define Service Team Determination Rules](#)
- [Define Service Team Profile and Assign Service Team Types](#)
- [Define Transaction Types](#)

You can use Enterprise Organizational Management to define organizational models that are used to determine service teams in In-House Repair.

Related Links

- [Service Team](#) (Basic Concept)
- [Integration Based on Enterprise Service Organizations and Service Teams](#)

- [Enterprise Organizational Management in In-House Repair \[page 761\]](#) (What's New)

9.2.2.3 Integration of Service Contracts with In-House Repair

This feature integrates service contracts with In-House Repair. The system automatically determines the service contracts for in-house repairs and the related repair objects, for repair quotations and repair orders, based on the criteria for service contract determination.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IHR (<i>In-House Repair</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

Service contract determination is based on specific criteria that need to be fulfilled. For more information about the criteria, see [Service Contract Determination](#).

- In the *Manage In-House Repairs* app, the system determines the number of applicable service contracts when the in-house repair is created or opened in the app.
- In the *Perform Prechecks* app, the system determines the applicable service contract items for the repair object (equipment) when the repair object is opened in the app.
The service contract items determined are displayed on the detail screen for the repair object under *Service Contracts*. You can open the service contracts to display their details.
- When you add an item to a **repair order** or a **repair quotation**, the system automatically determines the relevant service contract item and copies the price agreement to the item.
If the system determines more than one service contract item that matches the selection criteria, you need to assign a service contract item manually.
- If you create a **repair order as a follow-up to a repair quotation**, the repair order items use the price agreement for the service contract items that has been determined for the repair quotation items.
- If you create a **repair confirmation as a follow-up to a repair order**, the repair confirmation uses the price agreement for the service contract item that has been determined for the repair order item.

Related Information

[Service Contract Determination](#)
[Enter Repair Objects](#)
[Perform Prechecks](#)
[Process Repair Quotations](#)

9.2.2.4 Integration of Warranty Dates in In-House Repair

You can use this feature to display the end dates for the customer warranty and the vendor warranty for the repair objects if these dates have been entered for the related equipment.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IHR (<i>In-House Repair</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

If the end date for the customer or vendor warranty is later than the date on which the in-house repair was created, the warranty period for the related repair objects still applies to them.

In the *Manage In-House Repairs* app, the warranty end dates are displayed for each repair object under *Repair Objects*.

In the following apps, the warranty end dates for the repair objects are displayed on the detail screen for the repair object:

- *Perform Prechecks*
- *Process Repair Quotations*
- *Plan Repairs*
- *Perform Repairs*
- *Prepare for Billing*

In these apps, you can filter for repair objects for which a specific warranty period has not been expired, and display the warranty dates in the result lists in separate columns.

Related Information

[Repair Object](#)

9.2.2.5 Filter for Current Customer

This feature makes changes to the [Add Repair Objects](#) dialog box in the [Manage In-House Repairs](#) app.

When adding repair objects to an in-house repair, you can use the filter [Current Customer](#) to restrict the repair objects displayed to those pieces of equipment that have been assigned to a specific current customer.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IHR (In-House Repair)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can use the default filter to display the repair objects that have been assigned to the sold-to party for the in-house repair.

Related Information

[Manage In-House Repairs](#)
[Enter Repair Objects](#)

9.2.2.6 Adding Notes to In-House Repairs and Repair Objects

This feature enables you to add notes to in-house repairs and repair objects.

- In the [Manage In-House Repairs](#) app, you can enter customer instructions for the in-house repair.
- In the [Perform Prechecks](#) app, you can enter customer instructions and the examination results for the repair object.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IHR (In-House Repair)
Available As Of	SAP S/4HANA 2021

Additional Details

The notes are not displayed for in-house repairs and repair objects that have been created in releases prior to SAP S/4HANA 2021.

Related Information

[Manage In-House Repairs](#)

[Perform Prechecks](#)

[Enter Repair Objects](#)

9.2.2.7 Managing Repair Quotations with Multiple Repair Objects

You can use this feature to process multiple repair objects within a repair quotation.

- In the [Perform Prechecks](#) app, you can add repair objects to a repair quotation that has already been created for the same in-house repair.
- In the repair quotation, you assign the repair objects (equipment) that have been added to the repair quotation to the repair quotation items.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IHR (<i>In-House Repair</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

If you choose *Quotation* in the *Perform Prechecks* app, the status of the repair object changes to *Precheck: Quotation*. If a repair quotation has already been created for a repair object in the same in-house repair, you can add the repair object to the existing repair quotation. The status of the repair object then changes to *Quotation*.

The following applies to repair quotations that have been assigned to more than one repair object:

- When you send the repair quotation to the customer, the system creates the output items that contain the repair quotation items sorted by item number and grouped by repair object.
- When you accept the repair quotation, the system creates a repair order for each repair object that was added to the repair quotation.
- Under *Repair Quotation Details*, you can display the reference objects for the repair quotation, such as the equipment with the related product and the related serial number.

Related Information

[Manage Repair Quotations](#)
[Perform Prechecks](#)

9.2.2.8 Output Control for Repair Quotations

You can use this feature to configure the conditions (output relevance) that control output generation for repair quotations.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IHR (In-House Repair)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

To configure the output relevance for repair quotations, perform the [Define Business Rules for Output Parameter Determination](#) Customizing activities in Customizing for [Service](#).

For more information about configuring output control for In-House Repair, see the Customizing for [Service](#) under ► [In-House Repair](#) ► [Define Output Management](#) ►.

Related Information

[Output Control
Manage Repair Quotations](#)

9.2.2.9 Output Control for Repair Orders

This feature enables you to print or email repair orders once the repair orders have the status [Released](#).

Technical Details




Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IHR (In-House Repair)

Additional Details

Once the repair order has the status *Released*, the system creates PDFs for the repair order that you can then send to the sold-to party (*Customer (External)*) and the executing service employee (*Service Technician (Internal)*) as defined in the output channel (printout or email). The PDFs are displayed in the repair order as output items under *Output Control*.

If you want to create output items for repair orders that have been set to *Released* in releases prior to SAP S/4HANA 2021, first change the status to *In Process*. If you then change the status back to *Released*, the output items are created.

Effects on Customizing

To set up output control for repair orders, perform the Customizing activities in Customizing for *Service* under  *In-House Repair*  *Define Output Management* .

Related Information

[Output Control
Manage Repair Orders](#)

9.2.2.10 Improved Message Handling for 'Prepare for Billing'

This feature enables you to display messages about the items for repair objects in the *Prepare for Billing* app.

On the detail screen for the repair object, the items for which messages exist, are marked with an icon and a criticality indicator. If you click the icon, the messages for the item are displayed.

Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	Not applicable
Application Component	CRM-S4-IHR (<i>In-House Repair</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Prepare for Billing](#)


9.2.2.11 OData API: *In-House Repair*

You can use the OData API *In-House Repair* (`API_InHouseRepair`) to initiate the in-house repair process from an external system. You can create in-house repairs and add repair objects to the in-house repairs. You can also read and update in-house repairs.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IHR (<i>In-House Repair</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com> )

Related Information

[In-House Repair](#)


9.2.2.12 In-House Repair Events

This feature enables you to trigger the business events `Created` and `Changed` for the `In-House Repair` business object.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IHR (<i>In-House Repair</i>)
Valid as Of	SAP S/4HANA 2021

Further Information

SAP API Business Hub at <http://api.sap.com/> 

Related Information

[In-House Repair Events](#)

9.2.2.13 OData API for Repair Orders

This feature enables you to use the OData API [Service Order \(A2X\)](#) (`API_SERVICE_ORDER_SRV`) to process repair orders.

Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	Not applicable
Application Component	CRM-S4-IHR (<i>In-House Repair</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

You use the following properties in the `A_ServiceOrder` entity to process repair orders:

- `ServiceOrderType` contains the transaction type that is used for repair orders.
- `ReferenceInHouseRepair` contains the in-house repair ID.
- `ReferenceInHouseRepairItem` contains the number of the in-house repair item (repair object).

If you use the OData API `API_SERVICE_ORDER_SRV` to create a repair order, the repair order is created as a follow-up to an in-house repair and the assigned repair object.

Note

You cannot use the OData API to change the values in the `ServiceOrderType`, `ReferenceInHouseRepairItem`, and `ReferenceInHouseRepair` properties.

This API is available on the SAP API Business Hub (<https://api.sap.com>).

Related Links

- [Service Orders for In-House Repair](#) (Overview)
- [Service Order \(A2X\)](#)

9.2.2.14 SOAP APIs for Repair Orders

This feature enables you to use the SOAP APIs for service orders to process repair orders.

Fields, which are used to process repair orders, have been added to the following inbound SOAP services:

- [Service Order - Create, Change \(Asynchronous\)](#) (`ServiceOrderRequest_In`)
- [Service Order \(Bulk\) - Create, Change \(Asynchronous\)](#) (`ServiceOrderBulkRequest_In`)

Fields, which are used to communicate with an external system when a repair order is created, have been added to the following outbound SOAP services:

- [Service Order \(Bulk\) - Confirm Processing \(Asynchronous\)](#) (`ServiceOrderConfirmation_Out`)
- [Service Order - Notification Processing \(Asynchronous\)](#) (`ServiceOrderNotification_Out`)
- [Service Order - Confirm Processing \(Asynchronous\)](#) (`ServiceOrderBulkConfirmation_Out`)

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IHR (<i>In-House Repair</i>)
Available As Of	SAP S/4HANA 2021

Additional Details


You use the following fields in the inbound SOAP services and outbound SOAP services to process repair orders:

- `ServiceOrderType` contains the transaction type that is used for repair orders.
- `ReferenceInHouseRepair` contains the in-house repair ID.
- `ReferenceInHouseRepairItem` contains the number of the in-house repair item (repair object).

If you use the inbound SOAP services to create a repair order, the repair order is created as a follow-up to an in-house repair and the assigned repair object.

Note

You cannot use the inbound SOAP services to change the values in the `ServiceOrderType`, `ReferenceInHouseRepairItem`, and `ReferenceInHouseRepair` fields.

This API is available on the SAP API Business Hub (<https://api.sap.com> .

Related Links

[Service Orders for In-House Repair \(Overview\)](#)
[Service Order - Create, Change \(Asynchronous\)](#)
[Service Order - Confirm Processing \(Asynchronous\)](#)
[Service Order - Notification Processing \(Asynchronous\)](#)
[Service Order \(Bulk\) - Create, Change \(Asynchronous\)](#)
[Service Order \(Bulk\) - Confirm Processing \(Asynchronous\)](#)

9.2.3 Service Request Management

9.2.3.1 Service Request Search

With this feature, you can search for service requests using various search criteria, such as the life cycle status or the sold-to party. You can also combine several search criteria and use filters to narrow down your search. From the search results, you can navigate to a selected service request in various apps.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	41W (Interaction Center Service Request Management)
Application Component	CRM-S4-SRV-SRQ (<i>S4CRM: Service Request</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Service Request Search](#)

9.3 Cross Topics

9.3.1 Move of Documentation for *Solution Quotation Management* and *Business Solution Portfolio*

The documentation for *Sales Quotation Management* and *Business Solution Portfolio* was moved from *Service* to ► *Sales* ► *Order and Contract Management* ►.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4Q5 (Solution Quotation)
Application Component	<ul style="list-style-type: none">CRM-S4-SOL-SQ (<i>S4CRM: Solution Quotation</i>)CRM-S4-SOL-BSP (<i>S4CRM: Business Solution Portfolio</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The scope item 4Q5 (Solution Quotation) was moved from from [Service](#) to [Sales](#) [Order and Contract Management](#).

Related Information

[Solution Quotation Management](#)
[Business Solution Portfolio](#)

9.3.2 Enterprise Organizational Management

The enterprise organizational management introduces the enterprise organizational model which enables direct access to sales organizational structures from S/4HANA Sales and easy use of enterprise service organizations and service teams. Compared with the legacy organizational management, the enterprise organizational model eliminates double maintenance of sales organizational structures and allows multiple assignment of sales offices between sales groups and sales areas. The enterprise organizational model also allows service organizations to be defined not as a form of master data but in Customizing which is directly transported to the production system.

Technical Details

Type	New
------	-----

Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-MD-ORG (S4CRM: Organizational Management)
Available As Of	SAP S/4HANA 2021

Additional Details

The enterprise organizational management is used in other scope items, for example:

- 426 (Service Contract Management)
- 41Z (Service Order Management)
- In-House Repair

After you adopt the enterprise organizational management, some functions are no longer available, for example:

- [Interaction Center](#)
- [Sales Force Support](#)
- [Email Response Management System \(ERMS\)](#)
- [Case Management](#)

Related Information

[Enterprise Organizational Management](#)

9.4 WebClient UI Framework

9.4.1 Update Language in Personalization

Use

With this feature you can change the language of the WebUI Framework in the Personalize Settings without using `sap-language` URL parameter. WebUI Framework will restart in the desired language.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-WUI-PRS (Personalization)
Available As Of	SAP S/4HANA 2021

More Information

- SAP Note [2890135](#)
- Improvement Request ID <https://influence.sap.com/sap/ino/#/idea/220377>

9.4.2 Situation Indicator in Tables

Use

With this feature, the user will be able to see the situation indicator when there is situation for the item or object in the table.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-WUI-UI (User Interface)
Available As Of	SAP S/4HANA 2021

10 Sourcing and Procurement

10.1 Generic Features

10.1.1 CDS View for Account Assignment Category Text

This CDS view (`I_AcctAssignmentCategoryText`) enables you to retrieve the texts in different languages for all the possible account assignment categories that can be assigned to a purchasing document item. This is the related text view of the CDS view `I_AccountAssignmentCategory`.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	18J (Requisitioning), 1XI (Central Requisitioning), BNX (Consumable Purchasing), J45 (Procurement of Direct Materials), BMR (Scheduling Agreements in Procurement)
Application Component	MM-PUR-GF (<i>Basic Functions</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Account Assignment Category](#)

10.2 APIs for Integration with Sourcing and Procurement

10.2.1 Central Purchase Contract Events

The following events are now available to provide information about the status of central purchase contracts:

- [Created](#)

- [Changed](#)

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	2ME (Central Purchase Contracts)
Application Component	MM-PUR-HUB-CTR (Central Purchase Contracts)
Valid as Of	SAP S/4HANA 2021

Additional Details

The events are raised as follows:

- [Created](#)
This event is raised when a central purchase contract is created.
- [Changed](#)
This event is raised when a central purchase contract is changed.

Related Information

[Central Purchase Contract Events](#)

10.2.2 Purchase Contract Events

The following events are now available to provide information about the status of purchase contracts:

- [Created](#)
- [Changed](#)

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BMD (Purchase Contract)
Application Component	MM-PUR-OA-CON (Purchase Contracts)
Valid as Of	SAP S/4HANA 2021

Additional Details

The events are raised as follows:

- [Created](#)
This event is raised when a purchase contract is created.
- [Changed](#)
This event is raised when a purchase contract is changed.

Related Information

[Purchase Contract Events](#)

10.2.3 Purchase Order Events

The following events are now available to provide information about the status of a purchase order item:

- CREATED
- CHANGED
- ITEMBLOCKED
- ITEMUNBLOCKED
- ITEMDELETED

Technical Details

Type	New
------	-----

Functional Localization	Not applicable
Scope Item	J45 (Procurement of Direct Materials), J62 (Asset Accounting), 3UK (Inbound Storage Tank Management - Process Manufacturing), BMY (Subcontracting), 1W8 (Legal Control), J82 (Automated Purchase-to-Pay with SAP Ariba Commerce Automation), 2TW (Complementary Procurement Functions), BNX (Consumable Purchasing), 2TX (Direct Procurement with Inbound Delivery), 22K (External Workforce Procurement via SAP Fieldglass), 2NV (Guided Buying Capability with SAP Ariba Buying), 2XU (Procurement of Materials with Variant Configuration), 22Z (Procurement of Services), 2R7 (Purchasing Rebate Processing), 18J (Requisitioning), 2LG (Supplier Consignment), 1FM (Quality Management in Procurement),
Application Component	MM-PUR (<i>Purchasing</i>), MM-FIO-PUR-PO (<i>Purchase Order Processing</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

- *CREATED*: This event is raised when a purchase order was created.
- *CHANGED*: This event is raised when a purchase order was changed.
- *ITEMBLOCKED*: This event is raised when a purchase order item is blocked.
- *ITEMUNBLOCKED*: This event is raised when a purchase order item is unblocked.
- *ITEMDELETED*: This event is raised when a purchase order item is marked for deletion.

The events are available on the SAP API Business Hub (<https://api.sap.com/> .

Related Information

[Purchase Order Events](#)

10.2.4 Purchase Scheduling Agreement Events

The following events are now available to provide information about the status of purchase scheduling agreements:

- *Created*
- *Changed*

- [Released](#)

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BMR (Scheduling Agreements in Procurement)
Application Component	MM-PUR-OA-SCH (Purchase Scheduling Agreements)
Valid as Of	SAP S/4HANA 2021

Additional Details

The events are raised as follows:

- [Created](#)
This event is raised when a purchase scheduling agreement is created.
- [Changed](#)
This event is raised when a purchase scheduling agreement is changed.
- [Released](#)
This event is raised when a schedule line of a purchase scheduling agreement is released.

Related Information

[Purchase Scheduling Agreement Events](#)

10.2.5 Purchasing Pricing Condition Record Events

With this feature, subscribers of the [Purchasing Pricing Condition Record Events](#) can now consume detailed change events for condition records for pricing in purchasing. Subscribers can be notified whenever the validity period, condition amount, or condition percentage of a condition record in your system is changed. In previous releases, the subscribers can only be notified whenever a condition record is changed in general, without knowing what exactly has changed.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J45 (Procurement of Direct Materials)
Application Component	SD-MD-CM (Conditions)
Valid as Of	SAP S/4HANA 2021

Additional Details

These business events are available on the SAP API Business Hub (<https://api.sap.com/>)

Related Information

[Purchasing Pricing Condition Record Events](#)

10.2.6 OData API: *Central Purchase Contract*

The service interface *Central Purchase Contract* is enhanced with the following features:

- Create central purchase contracts with entities, **Header Distribution**, **Header Partner**, **Header Condition Validity**, **Header Condition Amount**, **Header Condition Scales**, **Item Partner**, **Item Condition Validity**, **Item Condition Amount**, **Item Condition Scales**, **Commodity Quantity**, and **Legal Transaction**.
- Enables you to create, read, update, and delete a central purchase contract hierarchy. The entities available for central purchase contracts apply to central purchase contract hierarchies. Additionally, the entity **Subordinate Central Contract** allows you to get information about the subordinate central contracts in a central purchase contract hierarchy.
- Create items with the item category *Material Unknown*, *Material Group*, and *Subcontracting* for central purchase contracts and central purchase contract hierarchies.

Technical Details

Type	Changed
------	---------

Functional Localization	Not applicable
Scope Item	2ME (Central Purchase Contracts)
Application Component	MM-PUR-HUB-CTR (<i>Central Purchase Contracts</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Central Purchase Contract](#)

10.2.7 OData API: *Purchase Contract*

The service interface *Purchase Contract* provides three new parameters, `LastChangeDateTime`, `PurchasingProcessingStatus`, and `PurchasingProcessingStatusName` in the entity *Purchase Contract* (`A_PurchaseContract`).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BMD (Purchase Contract)
Application Component	MM-PUR-OA-CON (<i>Purchase Contracts</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following table provides the description of the new entities:

Parameter	Description
<code>LastChangeDateTime</code>	Timestamp at which the purchase contract was last updated or changed
<code>PurchasingProcessingStatus</code>	Purchase contract processing status code

Parameter	Description
PurchasingProcessingStatusName	Purchase contract processing status values

Related Information

[Purchase Contracts](#)

10.2.8 OData API: *Purchase Requisition*

The OData API for purchase requisitions now enables you to do the following:

- Create, read, update, and delete limit items
- Indicates the document number of the reservation, if any, that has been created for the purchase requisition item
- Provide the reference delivery address for purchase requisition items
- Monitor messages transferred by this service

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	18J (Requisitioning), J45 (Procurement of Direct Materials), BNX (Consumable Purchasing)
Application Component	MM-PUR-REQ (<i>Purchase Requisitions</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The API provides the following parameters in the item entity *A_PurchaseRequisitionItem*:

- ExpectedOverallLimitAmount and OverallLimitAmount for limit items. Limit items are items that cannot be planned in detail at the time of ordering.
 - ExpectedOverallLimitAmount - Amount expected to be spent on the limit item
 - OverallLimitAmount - Maximum amount that can be spent on the limit item. It is the upper limit that the expected value of the limit item (ExpectedOverallLimitAmount) must not exceed.

- `Reservation` to indicate the reservation number of the purchase requisition item.
- `ItemDeliveryAddressID` for reference delivery address ID. Note that reference delivery address is not applicable for self-service purchase requisitions

Related Information

[Purchase Requisition](#)

10.2.9 OData API: Purchase Scheduling Agreement

The service interface [Purchase Scheduling Agreement](#) (`API_SCHED_AGRMT_PROCESS_SRV`) is enhanced with the following features:

- Create items with the item category *Third-Party*.
- Create items with the account assignment type *Third-Party Project*.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BMR (Scheduling Agreements in Procurement)
Application Component	MM-PUR-OA-SCH (Purchase Scheduling Agreements)
Valid as Of	SAP S/4HANA 2021

Additional Details

Sample Code

```
{
  "SchedulingAgreement": "",
  "SchedulingAgreementItem": "10",
  "CompanyCode": "1010",
  "PurchasingDocumentItemCategory": "5",
  "PurchasingDocumentItemText": "RAW129, PD",
  "Material": "RM129",
  "ManufacturerMaterial": "RM129",
  "SupplierMaterialNumber": "",
  "MaterialGroup": "L002",
  "Plant": "1010",
```

```

"ReferenceDeliveryAddressID":"","
"IncotermsClassification":"","
"IncotermsTransferLocation":"","
"TargetQuantity":"11",
"PurchaseRequisition":"","
"PurchaseRequisitionItem":"0",
"SchedAgrmtAgreedCumQty":"0",
"SchedAgrmtCumQtyReconcileDate":null,
"NoDaysReminder1":"0",
"NoDaysReminder2":"0",
"NoDaysReminder3":"0",
"PurgDocOrderAcknNumber":"","
"RequirementTracking":"","
"IsOrderAcknRqd":false,
"PurgDocEstimatedPrice":false,
"PriceIsToBePrinted":true,
"AccountAssignmentCategory":"S",
"MultipleAcctAssgmtDistribution":"0",
"PartialInvoiceDistribution":"0",
"NetPriceAmount":"10.00",
"NetPriceQuantity":"1",
"OrderPriceUnit":"PC",
"ProductType":"","
"StorageLocation":"101C",
"IsInfoRecordUpdated":"","
"PurchasingInfoRecord":"","
"PurchasingDocumentDeletionCode":"","
"UnderdelivTolrtdLmtRatioInPct":"0.0",
"OverdelivTolrtdLmtRatioInPct":"0.0",
"UnlimitedOverdeliveryIsAllowed":false,
"StockType":"","
"TaxCode":"V0",
"TaxCountry":"","
"TaxDeterminationDate":"\Date(1597622400000)\/",
"ShippingInstruction":"","
"IsInfoAtRegistration":"","
"GoodsReceiptIsExpected":false,
"GoodsReceiptIsNonValuated":false,
"InvoiceIsExpected":true,
"InvoiceIsGoodsReceiptBased":true,
"EvaldRcptSettlmtIsAllowed":false,
"MinRemainingShelfLife":"0",
"QualityMgmtCtrlKey":"","
"QualityCertificateType":"","
"SchedAgrmtCumulativeQtyControl":"","
"CumulativeQuantityIsNotSent":false,
"SchedgAgrmtRelCreationProfile":"S001",
"IsRelevantForJITDelivSchedule":"1",
"ScheduleLineFirmOrderInDays":"0",
"SchedLineSemiFirmOrderInDays":"0",
"FirmTradeOffZoneBindMRP":"","
"to_SchAgrmtAcCnt":{
"results":
[
{
"AccountAssignmentNumber":"1",
"SchedulingAgreementItem":"10",
"SchedulingAgreement":"","
"GLAccount":"50100000",
"ControllingArea":"A000",
"FunctionalArea":"YB18",
"GoodsRecipientName":""
}
]
},

```

Here, the parameter `PurchasingDocumentItemCategory` is 5, representing the item category *Third Party*, and the parameter `AccountAssignmentCategory` is S, representing the account assignment category *Third-Party Project*.

Additionally, when you create items with the account assignment type *Third-Party Project*, it is mandatory to provide the `GLAccount` (G/L Account Number).

Related Information

[Purchase Scheduling Agreements](#)

10.2.10 OData API: *Supplier Invoice - Create, Read, Release, Reverse*

This OData service (`API_SUPPLIERINVOICE_PROCESS_SRV`) enables you now to delete parked supplier invoices. You can also transfer India-specific fields and you can transfer the tax fulfillment date and financial transaction type.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BNX (Consumable Purchasing), J45 (Procurement of Direct Materials)
Application Component	MM-FIO-IV (Fiori UI for Invoice Verification), MM-IV (Invoice Verification)
Valid as Of	SAP S/4HANA 2021

Additional Details

The *Header Data* entity was enhanced by the following India-specific fields:

- `IN_GSTPartner`: In India, this parameter indicates the GST partner, that is, organizations or individuals with which a company maintains business relations for procurement and sale of goods and services. The system uses the GST partner to calculate GST (Goods and Services Tax).

- `IN_GSTPlaceOfSupply`: In India, this parameter specifies a two-character code that identifies the region where the goods and services are consumed. The system uses this code to calculate Goods and Services Tax (GST) at the time of invoice verification.
- `IN_InvoiceReferenceNumber`: Specifies the invoice reference number in India.

The *Item with Purchase Order Reference* entity was enhanced by the following fields:

- `IN_CustomDutyAssessableValue`: Denotes the value of goods in India at the price as assessed by an authorized auditor. The system uses this value to calculate Integrated GST (IGST) for imports.
- `IN_HSNorSACCode`: In India, this parameter specifies the *Harmonized System Nomenclature* (HSN) code or the *Service Accounting Code* (SAC) code.

In addition, the service enables you to transfer the following fields, see also [Tax Fulfillment Date and Financial Transaction Type](#) [page 886].

- The `TaxFulfillmentDate` parameter is available in the *Header Data* entity.
- The `FinancialTransactionType` parameter is available in the *Item for G/L Account Posting* entity.

Related Information

[Supplier Invoice – Create, Read, Release, Reverse](#)

[Tax Fulfillment Date and Financial Transaction Type](#) [page 886]

10.2.11 SOAP API: *Supplier Invoice - Create (A2X, Inbound, Synchronous)*

This SOAP service (`ECC_SUPLRINVCERPCRTTC`) also known as

`SupplierInvoiceERPCreateRequestConfirmation_In` enables you now to transfer India-specific fields.

In addition, the service enables you to transfer the tax reporting date, the assignment reference, the tax fulfillment date and the financial transaction type.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BNX (Consumable Purchasing), J45 (Procurement of Direct Materials)
Application Component	MM-FIO-IV (Fiori UI for Invoice Verification), MM-IV (Invoice Verification)

Additional Details

The [ECC_SUPLRINVCERPCRTRC - SupplierInvoice](#) service node was enhanced by the `CountrySpecificFields` node with the following Indian-specific fields:

- `IN_GSTPartner`: In India, this parameter indicates the GST partner, that is, organizations or individuals with which a company maintains business relations for procurement and sale of goods and services. The system uses the GST partner to calculate GST (Goods and Services Tax).
- `IN_GSTPlaceOfSupply`: In India, this parameter specifies a two-character code that identifies the region where the goods and services are consumed. The system uses this code to calculate Goods and Services Tax (GST) at the time of invoice verification.
- `IN_InvoiceReferenceNumber`: Specifies the invoice reference number in India.

The [ECC_SUPLRINVCERPCRTRC - SupplierInvoice-Item](#) service node was enhanced by the `CountrySpecificFields` node with the following Indian-specific fields:

- `IN_CustomDutyAssessableValue`: Denotes the value of goods in India at the price as assessed by an authorized auditor. The system uses this value to calculate Integrated GST (IGST) for imports.
- `IN_HSNorSACCode`: In India, this parameter specifies the *Harmonized System Nomenclature* (HSN) code or the *Service Accounting Code* (SAC) code.

In addition, the service enables you to transfer the following fields, see also [Tax Fulfillment Date and Financial Transaction Type \[page 886\]](#).

- - The `AssignmentReference`, `TaxReportingDate`, and `TaxFulfillmentDate` parameters are available in the service header.
 - The `AssignmentReference` and `FinancialTransactionType` parameters are available in the item data under the `AccountingCodingBlockDistribution` node.

Related Information

[Supplier Invoice - Create \(A2X, Inbound, Synchronous\)](#)

[Tax Fulfillment Date and Financial Transaction Type \[page 886\]](#)

10.2.12 SOAP API: *Supplier Invoice - Create (A2A, Inbound, Asynchronous)*

This SOAP service (`SupplierInvoices4Request_In`) enables you now to transfer now to transfer India-specific fields. In addition, you can now use SAP unit code fields and the parameter [Tax Is Calculated Automatically](#). The service enables you also to transfer the tax fulfillment date and the financial transaction type.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BNX (Consumable Purchasing), J45 (Procurement of Direct Materials)
Application Component	MM-FIO-IV (Fiori UI for Invoice Verification), MM-IV (Invoice Verification)
Valid as Of	SAP S/4HANA 2021

Additional Details

The [SupplierInvoiceS4Request_In - SupplierInvoice](#) service node was enhanced on header level by the `CountrySpecificFields` node with the following Indian-specific fields:

- `IN_GSTPartner`: In India, this parameter indicates the GST partner, that is, organizations or individuals with which a company maintains business relations for procurement and sale of goods and services. The system uses the GST partner to calculate GST (Goods and Services Tax).
- `IN_GSTPlaceOfSupply`: In India, this parameter specifies a two-character code that identifies the region where the goods and services are consumed. The system uses this code to calculate Goods and Services Tax (GST) at the time of invoice verification.
- `IN_InvoiceReferenceNumber`: Specifies the invoice reference number in India.

Under [SupplierInvoiceS4Request_In - SupplierInvoice](#) > [SupplierInvoiceItemPurOrdRef](#) the service was enhanced by the `CountrySpecificFields` node with the following Indian-specific fields:

- `IN_CustomDutyAssessableValue`: Denotes the value of goods in India at the price as assessed by an authorized auditor. The system uses this value to calculate Integrated GST (IGST) for imports.
- `IN_HSNorSACCode`: In India, this parameter specifies the *Harmonized System Nomenclature* (HSN) code or the *Service Accounting Code* (SAC) code.

In addition, you can use the following SAP unit code parameter that allows to send the SAP internal unit of measure:

- `Quantity_SAPUnitCode`
- `QtyInPurchaseOrderPriceUnit_SAPUnitCode`
- `QuantityInPurchaseOrderUnit_SAPUnitCode`

Note

The service either expects the ISO unit of measure or the internal unit of measure. If both fields are filled, the service terminates.

Under the [Tax Data](#) node, the parameter `TaxIsCalculatedAutomatically` indicates whether tax is to be calculated automatically.

Depending on the settings of the company code, the tax fulfillment date can be filled with this service, and depending on the G/L account settings, the financial transaction type can be filled, see also [Tax Fulfillment Date and Financial Transaction Type \[page 886\]](#):

- - The `TaxFulfillmentDate` parameter is available under the `TaxData` node.
 - The `FinancialTransactionType` parameter is available under the [▶ `SupplierInvoiceItemGLAcct` ▶ `SupplierInvoiceItemGLPostingAcctAssgmt` ▶](#) node.

Related Information

[Supplier Invoice - Create \(A2A, Inbound, Asynchronous\)](#)

[Tax Fulfillment Date and Financial Transaction Type \[page 886\]](#)

10.2.13 OData API: Central Request for Quotation

This OData service (`API_CentralRequestForQuotation`) enables you to read, update, create and delete central supplier quotations from a system outside SAP S/4HANA Cloud system.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	3ZF(Central Sourcing) 4QN(Central Procurement with SAP Ariba Sourcing) 5JT(Automation of Central Procurement Quotes with Ariba Network)
Application Component	MM-PUR-HUB-RFQ (Central Sourcing)
Available As Of	SAP S/4HANA 2021

Related Information

[Central RFQ](#)

10.2.14 OData API: Central Supplier Quotations

This OData service (`API_CentralSupplierQuotation`) enables you to read, update, create and delete central supplier quotations from a system outside SAP S/4HANA Cloud system.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	3ZF(Central Sourcing) 4QN(Central Procurement with SAP Ariba Sourcing) 5JT(Automation of Central Procurement Quotes with Ariba Network)
Application Component	MM_PUR_HUB_RFQ (<i>Central Sourcing</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Central Supplier Quotation](#)

10.2.15 OData API: *Condition Type for Pricing in Purchasing – Read*

Additional fields have been added to the condition type entity of the synchronous, inbound OData service *Condition Type for Pricing in Purchasing – Read*.

Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	J45 (Procurement of Direct Materials)
Application Component	SD-MD-CM (Conditions)
Valid as Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com/> )

Related Information

[Condition Type for Pricing in Purchasing – Read](#)

10.3 Sourcing and Contract Management

10.3.1 Source Assignment

10.3.1.1 CDS Views for Quota Arrangement

The following new CDS views are now available for quota arrangement:

- Quota Arrangement Header (I_PurgQuotaArrgmtAPI01)
- Quota Arrangement Item (I_PurgQuotaArrgmtItemAPI01)

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BMR (Scheduling Agreements in Procurement)
Application Component	MM-PUR-SQ-QTA (Quota Arrangement)
Valid as Of	SAP S/4HANA 2021

Additional Details

These CDS views help you to retrieve the quota arrangements for a material, plant combination. If a material can be obtained from various sources of supply, each individual source of supply can be allocated a quota arrangement. The quota arrangement is valid for a certain period of time and specifies exactly how the receipts are to be distributed among each source of supply.

Related Information

[Quota Arrangement](#)
[Quota Arrangement Item](#)

10.3.1.2 CDS View for Source List

A new CDS view: `I_MPPurchasingSourceItem` is now available for [Source List](#).

With this CDS view, you can retrieve the item data of a [Source List](#).

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	4BL (Sourcing with SAP Ariba Sourcing)
Application Component	MM-PUR-SQ-SLI (Source List)
Valid as Of	SAP S/4HANA 2021

Additional Details

The CDS view includes data such as:

- Organizational data (plant, material, supplier, purchasing organization, purchasing group, etc.)
- Administrative data (creation date, created by user, last changed date, last changed time, etc.)
- Data for the source list process (status, validity start date, validity end date)

Related Information

[Source List](#)

10.3.1.3 CDS Views for Shipping Instruction

The following new CDS views are now available for shipping instruction:

- Shipping Instruction (I_ShippingInstruction)
- Shipping Instruction Text (I_Shippinginstructiontext)

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	4BL (Sourcing with SAP Ariba Sourcing)
Application Component	MM-PUR-SQ-SLI (Source List)
Valid as Of	SAP S/4HANA 2021

Additional Details

This CDS view provides shipping instructions to a vendor regarding the shipment or packing of ordered goods.

This CDS view displays the master data:

- Shipping Instructions
- Description

Related Information

[Shipping Instruction](#)

10.3.1.4 New Business Add-Ins for Source List

With this release, the following new business add-ins (BADIs) have been created:

- Check Source of Supply During Source Determination
- Additional Checks During Source of Supply Check

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	4BL (Sourcing with SAP Ariba Sourcing)
Application Component	MM-PUR-SQ-SLI (Source List)
Valid as Of	SAP S/4HANA 2021

Additional Details

BAdI Name	Description
Check Source of Supply During Source Determination (ME_CHK_SRC_DURING_SEARCH)	Determine if a specific source of supply can be allowed for a source list. You can implement these checks based on Supplier, Purchasing Organization, Purchasing Info Record, or any other combination of the fields that are available in the BAdI structure.
Additional Checks During Source of Supply Check (ME_CHK_SRC_DURING_STD_CHECK)	Determine if a specific source of supply must be allowed for a source list. You can implement the checks based on Supplier, Purchasing Organization, Purchasing Info Record, or any other combination of the fields available in the BAdI structure. You can raise an error message based on the check condition.

Related Information

[Manage Sources of Supply](#)

10.3.1.5 Manage Purchase Requisitions - Renamed App

This app has been renamed from [Manage Purchase Requisitions](#) to [Process Purchase Requisitions](#).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	18J (Requisitioning)
Application Component	MM-FIO-PUR-REQ-SOC
Available As Of	SAP S/4HANA 2021

Related Information

[Process Purchase Requisitions](#)

10.3.1.6 Mass Changes to Purchasing Info Records

You can now change prices in one or more purchasing info records.

Technical Details

Type	Changed
Functional Localization	Not Applicable
Scope Item	BHD (Create Purchasing Info Record)
Application Component	MM-PUR-VM-REC (Info Record)
Valid as Of	SAP S/4HANA 2021

Related Information

[Mass Changes to Purchasing Info Records](#)

10.3.1.7 Manage Negotiations

With this app, you as a central purchaser can select several submitted supplier quotations and create negotiations to get the best possible outcome for sourcing of materials and services. You can also use the app to display, copy, publish and edit existing negotiations.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4RD (Direct Material Sourcing)
Application Component	MM-FIO-PUR-SPQ (Sourcing Projects + Supplier Quotations for Sourcing Projects)
Available As Of	SAP S/4HANA 2021

Additional Details

Please note that the described features might require an additional license.

Related Information

[Manage Negotiations](#)

10.3.1.8 Manage Preferred Supplier Lists

With this app, you as a central purchaser, can create and manage lists of suppliers that your company advises you to use during the sourcing process. You can manage standard supplier lists that are available for all users, as well as user-specified supplier lists that you create for your own use. The supplier lists managed using this app can be consumed by other applications, for example, [Manage Sourcing Projects](#).

Additionally, you can use this app to edit existing supplier lists and create newer versions, convert user-specified supplier lists to standard supplier lists, as well as activate or deactivate existing supplier lists.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4RI (Preferred Supplier List)
Application Component	MM-FIO-PUR-SPQ (<i>Sourcing Projects + Supplier Quotations for Sourcing Projects</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

Please note that the described features might require an additional license.

Related Information

[Manage Negotiations](#)

10.3.1.8.1 Situation Templates for Preferred Supplier Lists

The following new situation templates are available for the [Manage Preferred Supplier Lists](#) app:

- New Supplier Proposal (PROC_SUPLRLPROPOSALNOTIFY)
- Supplier Proposal Accepted (PROC_SUPLRLPROPOSALACCEPTNOTIFY)
- Supplier Proposal Rejected (PROC_SUPLRLPROPOSALREJECTNOTIFY)

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4RI (Preferred Supplier List)

Application Component	MM-FIO-PUR-SPQ (Sourcing Project + Supplier Quotations for Sourcing Projects)
Available As Of	SAP S/4HANA 2021

Additional Details

Please note that the described features might require an additional license.

Related Information

[Situation Template: New Supplier Proposal](#)
[Situation Template: Supplier Proposal Accepted](#)
[Situation Template: Supplier Proposal Rejected](#)

10.3.2 Product Sourcing

10.3.2.1 Manage Procurement Projects

With this app, you as an administrator can manage the planning and administrative aspects of procurement projects such as assigning plants to projects and specifying start and end dates for production.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4RD (Direct Material Sourcing)
Application Component	MM-FIO-PUR-SPQ (Sourcing Projects + Supplier Quotations for Sourcing Projects)
Valid as Of	SAP S/4HANA 2021

Please note that the described features might require an additional license.

Additional Details

Related Information

[Manage Procurement Projects](#)

10.3.2.2 Manage Sourcing Projects

With this app you can display, create, edit, and publish sourcing projects to run a sourcing process for materials and services that you need. You can also check the creation progress of supplier quotations and create simulated supplier quotations.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4RD(Direct Material Sourcing)
Application Component	MM-FIO-PUR-SPQ (Sourcing Projects + Supplier Quotations for Sourcing Projects)
Valid as Of	SAP S/4HANA 2021

Please note that the described features might require an additional license.

Additional Details

You can display a list of already created sourcing projects or search for specific ones. Within sourcing projects, you can display and edit a variety of information. For instance, you can work with items of various types and organize them in a hierarchical way to structure items that belong together. You can link items, mark the demand for specific items as unconfirmed, add notes and attachments. You can create lists of preferred suppliers for the specified sourcing project, lock and unlock suppliers, and specify the payment terms, incoterms, shipping instructions, and document currency. The app also allows you to keep track of negotiations initiated for supplier quotations that you receive in response to your sourcing project from the suppliers and bidders. You can also keep an eye on associated legal transactions and awarding scenarios.

Related Information

[Sourcing Project](#)
[Items in Sourcing Projects](#)

10.3.2.3 Manage Workflows for Sourcing Projects

With this app, you can configure workflows for the approval process of sourcing projects as a configuration expert. The app provides options to define preconditions for the approval of sourcing projects as well as several options to determine the approvers, such as the manager of the workflow initiator or assigning specific users.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4RD (Direct Material Sourcing)
Application Component	MM-FIO-PUR-SPQ (<i>Sourcing Project + Supplier Quotations for Sourcing Projects</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

Please note that the described features might require an additional license.

Related Information

[Manage Workflows for Sourcing Projects](#)

10.3.2.4 Manage Supplier Quotations for Sourcing Projects

With this app you can display all supplier quotations that you have received for different sourcing projects. You can also edit, submit, revise, and delete supplier quotations on behalf of suppliers.

Technical Details

Type	New
Functional Localization	No applicable
Scope Item	4RD Direct Material Sourcing
Application Component	MM-FIO-PUR-SPQ (Sourcing Projects + Supplier Quotations for Sourcing Projects)
Valid as Of	SAP S/4HANA 2021

Please note that the described features might require an additional license.

Additional Details

You can display a list of all supplier quotations or search for specific ones. The app allows you to display detailed and more general information about existing quotations. Additionally, you can edit supplier quotations on behalf of suppliers and display the version history of supplier quotations.

Related Information

[Manage Supplier Quotations \(Sourcing Project\)](#)

10.3.2.5 Compare Supplier Quotations for Sourcing Projects

With this app, you as a central purchaser can compare several supplier quotations from different suppliers belonging to a sourcing project in order to identify the best available quotation for your sourcing project.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4RD (Direct Material Sourcing)

Application Component	MM-FIO-PUR-SPQ (Sourcing Projects + Supplier Quotations for Sourcing Projects)
Valid as Of	SAP S/4HANA 2021

Additional Details

Please note that the described features might require an additional license.

Related Information

[Compare Supplier Quotations](#)

10.3.2.6 Manage Workflows for Supplier Lists

With this app, you can configure workflows for the approval process of supplier lists as a configuration expert. The app provides options to define preconditions for the approval of supplier lists as well as several options to determine the approvers, such as the manager of the workflow initiator or assigning specific users.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4RD (Direct Material Sourcing)
Application Component	MM-FIO-PUR-SPQ (Sourcing Project + Supplier Quotations for Sourcing Projects)
Valid as Of	SAP S/4HANA 2021

Additional Details

Please note that the described features might require an additional license.

Related Information

[Manage Workflows for Supplier Lists for Sourcing](#)

10.3.2.7 Manage Awarding Scenarios

With this app, you as a purchaser can check and edit awarding scenarios with selected supplier quotations as well as simulated quotations, and award your preferred awarding scenario for a sourcing project.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4RD (Direct Material Sourcing)
Application Component	MM-FIO-PUR-SPQ (<i>Sourcing Project + Supplier Quotations for Sourcing Projects</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Manage Awarding Scenarios](#)

10.3.2.8 Manage Workflows for Awarding Scenarios

With this app, you can configure workflows for the approval process of awarding scenarios as a configuration expert. The app provides options to define preconditions for the approval of awarding scenarios as well as several options to determine the approvers, such as the manager of the workflow initiator or assigning specific users.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4RD (Direct Material Sourcing)
Application Component	MM-FIO-PUR-SPQ (<i>Sourcing Project + Supplier Quotations for Sourcing Projects</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

Please note that the described features might require an additional license.

Related Information

[Manage Workflows for Awarding Scenarios](#)

10.3.3 Purchase Contract Management

10.3.3.1 Enhancements in Manage Purchase Contracts

With this app, you can now:

- View the approval details, such as the processors involved and status, under the [Approval Details](#) facet.
- Provide the planned delivery time in the field [Planned Delivery Duration in Days](#) during creation or update of an item in a purchase contract. You can find this field in the [Handling](#) facet within the [Items](#) section.

Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	BMD (Purchase Contract)
Application Component	MM-FIO-PUR-SQ-CON (Purchase Contracts)
Valid as Of	SAP S/4HANA 2021

Additional Details

A new facet [Approval Details](#) is now available, where you can view the approval details, such as the processors involved and status. These details are displayed based on the current configuration in the flexible workflow.

Related Information

[Manage Purchase Contracts](#)

10.3.3.2 Enhancements in Manage Workflows for Purchase Contracts

With this app, you can now:

- Define e-mail notifications by which the initiators of the workflow are notified if the work item is approved or rejected.
- Exclude the creator of the purchase contract from the workflow recipient list.
- Define the deadline by which the workflow step should be completed, beyond which an overdue e-mail notice is sent to the approver. You can also set workflow deadlines in workdays using the factory calendar.
- Define the roles in the workflow steps using the responsibility management feature.
- Define [Review Steps](#) for the workflow.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BMD (Purchase Contract)
Application Component	MM-FIO-PUR-SQ-CON (Purchase Contracts)

Additional Details

- **Exclude Creator of the Purchase Contract**

When you choose the option [Exclude Purchase Contract Creator](#) in [Exclude Restricted Agents](#) while creating a workflow, the creator of the purchase contract will not receive contracts created by them for approval in their inbox.

i Note

The option [Exclude Purchase Contract Creator](#) is not relevant for automatic release of purchase contracts.

After exclusion, if no recipients are determined, the workflow will give an error unless the step is marked as optional.

- **Factory Calendar for Workflow Deadline**

The factory calendar that is used to calculate the workdays can be defined using the business add-in, [Determination of Factory Calendar for Workflow Deadline](#) (MMPUR_PROC_WF_FACTORY_CALENDAR). If there is no custom logic defined, all days of the week are considered as workdays.

- **Review Steps**

You can now define the reviewers or people responsible for monitoring the progress of the workflow. You can also define the corresponding step conditions and deadlines. When a workflow is started, all the reviewers are notified. The reviewers can then track the progress of the workflow.

Related Information

[Manage Workflows for Purchase Contracts](#)

10.3.3.3 New and Enhanced Business Add-Ins for Purchase Contracts

With this release, the following business add-ins (BAdIs) have been created:

- [Change of Field Control for Purchase Contract Header and Item](#)
- [Change of Account Assignment in Purchase Contract Item Before Saving](#)

Additionally, the following BAdIs have been enhanced:

- [Change of Purchase Contract Before Saving](#)
- [Change of Purchase Contract Item Before Saving](#)

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BMD (Purchase Contract)
Application Component	MM-PUR-OA-CON (Purchase Contracts)
Valid as Of	SAP S/4HANA 2021

Additional Details

New BAdIs

BAdI Name	Description
Change of Field Control for Purchase Contract Header and Item - MM_PUR_S4_CTR_MODIFY_FLDCTRL	You can use this BAdI to change the field control properties of specific fields in the Fiori user interface at the header and item levels of the purchase contract.
Change of Account Assignment in Purchase Contract Item Before Saving - MM_PUR_S4_CTR_MODIFY_ACCOUNT	You can use this BAdI to modify values of the account assignment fields at the item level of a purchase contract.

Enhanced BAdIs

BAdI Name	Description
Change of Purchase Contract Before Saving - MM_PUR_S4_CTR_MODIFY_HEADER	You can now use this BAdI to perform custom changes or updates on standard fields at the header level of purchase contracts.
Change of Purchase Contract Item Before Saving - MM_PUR_S4_CTR_MODIFY_ITEM	You can now use this BAdI to perform custom changes or updates on standard fields at the item level of purchase contracts.

You can access the BAdI and the BAdI documentation in the [Custom Logic](#) app.

Related Information

[App Extensibility: Manage Purchase Contracts](#)

10.3.3.4 Enhancements in Manage Purchase Scheduling Agreements

With this app, you can now:

- Create items for a purchase scheduling agreement with the item category *Third-Party*.
- Assign *Third-Party Project* as the account assignment to an item of a purchase scheduling agreement.
- Enable the following kanban processes using the field *Kanban Indicator* at the item level of the purchase scheduling agreement:
 - Replenishment Element for Kanban
 - Scheduling Agreement for JIT calls

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BMR (Scheduling Agreements in Procurement)
Application Component	MM-FIO-PUR-SQ-SCH (<i>Purchase Scheduling Agreements</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Manage Purchase Scheduling Agreements](#)

10.3.3.5 Enhancements in Manage Workflows for Purchase Scheduling Agreements

With this app, you can now:

- Set workflow deadlines in workdays using the factory calendar.
- Define the roles in the workflow steps using the responsibility management feature.
- Define *Review Steps* for the workflow.

Additionally, the business add-in (BAI) *Determination of Workflow Agents for Purchasing Documents* is now enhanced with an additional importing parameter *STEPINFO* for purchase scheduling agreements.

Technical Details

Type	Changed
------	---------

Functional Localization	Not applicable
Scope Item	BMR (Scheduling Agreements in Procurement)
Application Component	MM-FIO-PUR-SQ-SCH (<i>Purchase Scheduling Agreements</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

- **Factory Calendar for Workflow Deadline**

The factory calendar that is used to calculate the workdays can be defined using the business add-in, *Determination of Factory Calendar for Workflow Deadline* (MMPUR_PROC_WF_FACTORY_CALENDAR). If there is no custom logic defined, all days of the week are considered as workdays.

- **Review Steps**

You can now define the reviewers or people responsible for monitoring the progress of the workflow. You can also define the corresponding step conditions and deadlines. When a workflow is started, all the reviewers are notified. The reviewers can then track the progress of the workflow.

- **Importing Parameter: StepInfo**

The parameter *STEPINFO* of the BAdI *Determination of Workflow Agents for Purchasing Documents* can now be used for purchase scheduling agreements. This parameter provides the current level in the approval and review workflow and the total number of steps in the workflow. To make use of this parameter, ensure that you not only adapt your BAdI implementation, but also create a new workflow. This parameter is not populated for workflows created before SAP S/4HANA 2021.

Related Information

[Manage Workflows for Purchase Scheduling Agreements](#)

10.3.3.6 Guided Sourcing for Sourcing with SAP Ariba Sourcing (4BL)

With the Sourcing with SAP Ariba Sourcing (4BL) scenario, you can now integrate SAP S/4HANA with guided sourcing in SAP Ariba Sourcing. Guided sourcing provides a streamlined and intuitive user experience for users of SAP Ariba Sourcing to create and run SAP Ariba Sourcing events.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4BL(Sourcing with SAP Ariba Sourcing)
Application Component	BNS-INT-ARI (Ariba Integration with SAP S/4HANA)
Available As Of	SAP S/4HANA 2021

Additional Details

For more information on new or changed features, see [What's new in SAP Ariba](#) .

1. Enter the feature ID in the [Search](#) field at the top of the [SAP Ariba new features](#) table to find a feature.
2. Click [See More](#) in the [Description](#) of the feature to access detailed documentation.

Feature ID	Feature Title
DMS-15214	Support for guided sourcing-based integration in 4BL and 4QN integration scenarios

Related Information

[Sourcing with SAP Ariba Sourcing \(4BL\)](#)

10.4 Operational Procurement

10.4.1 Self-Service Requisitioning

10.4.1.1 Create Purchase Requisition

With this app, you can now do the following:

- Copy items within a purchase requisition
- View approval details of a purchase requisition at header or item level, based on the workflow configuration
- Create, edit, copy, and delete limit items
- Choose the attachment document type while adding attachments to a purchase requisition item

- View the total value of a purchase requisition in [Total Value Currency](#)
- View the VAT registration number and email address in supplier value help

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	18J (Requisitioning), O8J (Requisitioning), 1XI (Central Requisitioning)
Application Component	MM-FIO-PUR-REQ-SSP (Self-Service Procurement)
Valid as Of	SAP S/4HANA 2021

Additional Details

- A [Copy](#) button is now available in the item list (Cart Overview) screen. You can copy multiple items at a time by selecting the checkboxes corresponding to the items and choosing [Copy](#).
- The approval details provide a preview of the workflow steps. The details are dynamically updated as you edit the fields in the purchase requisition and save.
- Limit items are unplanned services and materials that cannot be specified in detail at the time of ordering. You can define an expected value and an overall limit for these items.
- The preferred [Total Value Currency](#) is maintained by the configuration expert in the [Default Settings for Users](#) app. If there is no preference maintained, the system automatically determines a value.
- In the supplier value help, you can filter and sort the search results using the VAT registration number of suppliers.
- While adding attachments, you now have the option to choose one of the attachment document types that you have defined in the system.
- The [PO Price Type](#) that is set for the requestor in the [Default Settings for Users](#) app is used as the default [PO Price Type](#) while creating purchase requisition items.

Related Information

[Create Purchase Requisition](#)

10.4.1.2 My Purchase Requisitions

With this app, you can:

- Copy items within a purchase requisition
- View approval details of purchase requisitions
- View a [Rework Required](#) indicator for purchase requisitions that have been sent back to you for rework
- View the total value of purchase requisitions in [Total Value Currency](#)
- View and edit limit items
- Edit rejected purchase requisitions
- Choose the document type while adding attachments to purchase requisition items
- View details of [Review Steps](#), if any, under [Approval Details](#)

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	18J (Requisitioning), 1XI (Central Requisitioning), O8J (Requisitioning)
Application Component	MM-FIO-PUR-REQ-SSP (Self-Service Procurement)
Valid as Of	SAP S/4HANA 2021

Additional Details

- A [Copy](#) button is now available in the item list (Cart Overview) screen. You can copy multiple items at a time by selecting the checkboxes corresponding to the items and choosing [Copy](#).
- The approval details of the purchase requisition are available at header or item level, based on the workflow configuration. In edit mode, the approval details provide a preview of the workflow steps. The details are dynamically updated as you edit the fields in the purchase requisition and save. In the display mode, the approval details show the actual workflow steps with the current status.
- Purchase requisitions or items that are relevant for rework have a separate section called [Rework](#). In this section, you can view the comments from the approver and make the required changes. You can then enter comments to approver and resubmit by choosing [Order](#).
- The preferred [Total Value Currency](#) is maintained by the configuration expert in the [Default Settings for Users](#) app. If there is no preference maintained, the system automatically determines a value.
- Limit items are unplanned services and materials that cannot be specified in detail at the time of ordering. You can define an expected value and an overall limit for these items.
- When choosing to edit a rejected purchase requisition, the requisition or item moves out of the [Rejected](#) status and enables resubmission. You can then make the required changes and choose [Order](#). Based on the changes made, the relevant workflow is triggered.
- While adding attachments, you now have the option to choose one of the attachment document types that you have defined in the system.
- Review steps contain the list of reviewers or people responsible for monitoring the progress of the workflow.

- The *PO Price Type* that is set for the requestor in the *Default Settings for Users* app is used as the default *PO Price Type* while creating purchase requisition items.

Related Information

[My Purchase Requisitions](#)

10.4.1.3 Default Settings for Users

With this app, you can now do the following:

- Set the default *PO Price Type*. The *PO Price Type* determines the adoption of price of purchase requisition item in the purchase order item created from it.
- Choose the preferred *Total Value Currency*. This is the currency in which the total value of purchase requisition is displayed in all purchase requisition apps.
- Download, enter and upload the *PO Price Type* and *Total Value Currency* when using *Excel-Based Data Exchange*.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	18J (Requisitioning), 1XI (Central Requisitioning), O8J (Requisitioning)
Application Component	MM-FIO-PUR-REQ-SSP (<i>Self-Service Procurement</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

PO Price Type can take any of the following values:

- Blank - *Do Not Adopt* - The price of the purchase requisition item is not adopted in the purchase order item.
- 1 - *As Gross Price* - The price of the purchase requisition item is adopted in the purchase order item as the gross price.
- 2 - *As Net Price* - The price of the purchase requisition item is adopted in the purchase order item as the net price.

Total Value Currency can take any of the following values:

- 0 - *No Preference* - System uses predefined logic to automatically determine a value
- 1 - *Currency in 'Default Settings for Users' App* - Currency that is maintained in the *Default Settings for Users* app
- 2 - *Company Code Currency of User* - Currency maintained in the user's company code
- 3 - *Company Code Currency of First Item of PR* - Currency maintained in the company code of the first item in the purchase requisition
- 4 - *Currency of First Item of PR* - Currency of the first item in the purchase requisition

Related Information

[Default Settings for Users](#)

10.4.1.4 Schedule Import of Catalog Data

With this app, when you provide the *Web Service* as *Multi_Backend*, you can schedule an import of catalog data for a company code in a connected system. It is optional to provide a *Plant*. If you don't provide a plant, then an import is scheduled for all the plants under the company code. This applies to both full import and delta import.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	18J (Requisitioning), O8J (Requisitioning), 1XI (Central Requisitioning)
Application Component	MM-FIO-PUR-REQ-SSP (<i>Self-Service Procurement</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Schedule Import of Catalog Data](#)

10.4.2 Requirements Processing

10.4.2.1 Manage Purchase Requisition - Professional

With this app, you can now do the following:

- View consumption value for limit items
- View the total value of purchase requisitions in [Total Value Currency](#)
- View a [Rework Required](#) indicator for purchase requisitions that have been sent for rework
- Edit rejected purchase requisitions
- Choose the document type while adding attachments to the purchase requisition item
- View details of the [Review Steps](#), if any, under [Approval Details](#)

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	18J (Requisitioning), O8J (Requisitioning), BMD (Purchase Contract), OMD (Purchase Contract)
Application Component	MM-PUR-REQ (Purchase Requisitions)
Valid as Of	SAP S/4HANA 2021

Additional Details

Consumption Value in Limit Items

- In the case of limit items, when a purchase order is created from a purchase requisition item, the expected value of the purchase order is maintained as the consumption value in the purchase requisition item.
- If the account assignment of the purchase requisition limit item is commitment-relevant, the commitment of the purchase requisition item is adjusted based on this consumption value.

Total Value Currency

The preferred [Total Value Currency](#) is maintained by the configuration expert in the [Default Settings for Users](#) app. If there is no preference maintained, the system automatically determines a value.

Rework

Purchase requisitions or items that are relevant for rework have a separate section called [Rework](#). In this section, you can view the comments from the approver and make the required changes, if any, in the purchase requisition. You can then enter the comments to approver and resubmit.

Edit Rejected Purchase Requisition

When choosing to edit a rejected purchase requisition, the requisition or item moves out of the [Rejected](#) status and enables resubmission. You can then make the required changes and choose [Save](#). Based on the changes made, the relevant workflow is triggered.

Attachments

While adding attachments, you now have the option to choose one of the attachment document types that you have defined in the system.

Review Steps

Review Steps contain the list of reviewers or people responsible for monitoring the progress of the workflow

PO Price Type

The [PO Price Type](#) that is set for the user in the [Default Settings for Users](#) app is used as the default [PO Price Type](#) while creating purchase requisition items.

Related Information

[Manage Purchase Requisitions - Professional](#)

10.4.2.2 Create Purchase Requisition - Advanced

With this app, you can now view the consumption value of limit items.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	18J (Requisitioning), O8J (Requisitioning), BMD (Purchase Contract), OMD (Purchase Contract)
Application Component	MM-PUR-REQ (Purchase Requisitions)
Valid as Of	SAP S/4HANA 2021

Additional Details

When a purchase order is created from a purchase requisition item, the expected value of the purchase order is maintained as the consumption value in the purchase requisition item.

Related Information

[Create Purchase Requisition - Advanced](#)

10.4.2.3 Deprecated CDS Views for Purchase Requisitions

Remember that the deprecated CDS views, `I_PurchaseRequisition_Api01` and `I_PurReqnAcctAssgmt_Api01`, will become unusable soon. Please use the replacement CDS views: `I_PurchaseRequisitionAPI01`, `I_PurchaseRequisitionItemAPI01`, and `I_PurReqnAcctAssgmtAPI01`.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	18J (Requisitioning), O8J (Requisitioning), BMD (Purchase Contract), OMD (Purchase Contract)
Application Component	MM-PUR-REQ (Purchase Requisitions)
Valid as Of	SAP S/4HANA 2021

Additional Details

Reason for Deprecation

Deprecated View	Replacement View(s)	Reason for Deprecation
<code>I_PurchaseRequisition_Api01</code>	<code>I_PurchaseRequisitionAPI01</code> , <code>I_PurchaseRequisitionItemAPI01</code>	To retain the header and item details of a purchase requisition separately
<code>I_PurReqnAcctAssgmt_Api01</code>	<code>I_PurReqnAcctAssgmtAPI01</code>	To maintain compatibility with the replacement views for purchase requisition

Related Information

[Purchase Requisition Header](#)
[Purchase Requisition Item](#)

[Account Assignment in Purchase Requisition](#)
(Deprecated) [Account Assignment in Purchase Requisition](#)
(Deprecated) [Purchase Requisition Item](#)
[Deprecated and Decommissioned CDS Views](#)

10.4.2.4 Enhancements in CDS Views for Purchase Requisitions

There are few enhancements in the following CDS views:

- Purchase Requisition Item (I_PurchaseRequisitionItemAPI01)
- Account Assignment in Purchase Requisition (I_PurReqnAcctAssgmtAPI01)

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	18J (Requisitioning), O8J (Requisitioning), BMD (Purchase Contract), OMD (Purchase Contract)
Application Component	MM-PUR-REQ (Purchase Requisitions)
Valid as Of	SAP S/4HANA 2021

Additional Details

View Name	Type of Change	Details
I_PurchaseRequisitionItemAPI01	Deprecated field	MaterialRevisionLevel has been deprecated and replaced with the successor field MaterialRevisionLevel_2
I_PurReqnAcctAssgmtAPI01	Deprecated field	ProfitabilitySegment has been deprecated and replaced with the successor field ProfitabilitySegment_2

MaterialRevisionLevel

- The field MaterialRevisionLevel is a character field with conversion exit NUMCV, whereas the successor field MaterialRevisionLevel_2 is also a character field, but without conversion exit. Conversion exit NUMCV: When converting from an external into an internal format this checks whether the entry in the input field is wholly numerical, whether it consists of digits only, possibly with blank spaces

before and/or after. If yes, the sequence of digits is copied to the output field, right aligned, and the space on the left is filled with zeros ('0'). For Example: '2 ' → '02', 'A ' → 'A '.

- When you switch to `MaterialRevisionLevel_2`, you must adapt your code such that the value is inputted in the converted form as explained above. No output conversion is performed.

`ProfitabilitySegment`

- The field `ProfitabilitySegment_2` is a character field (CHAR), while the field `ProfitabilitySegment` is a numeric character field (NUMC). The field lengths are the same.
- If no profitability segment is assigned to the field `ProfitabilitySegment_2`, there may be entries with a space (new entries), entries with 0000000000 (old entries), or both. When you switch to the field `ProfitabilitySegment_2`, you must adapt your code that checks whether the field is empty (that is, a space or 0000000000).
- The field `ProfitabilitySegment_2` will contain non-numeric characters (that is, characters from A to Z) after the system reaches the highest numerical value.

Related Information

[Purchase Requisition Item](#)

[Account Assignment in Purchase Requisition](#)

10.4.2.5 New Business Add-In - Enhancement of Flexible Workflow Properties

A new Business Add-In [Enhancement of Flexible Workflow Properties](#) (`MMPUR_WFL_CONTEXT_ENHANCE`) is now available. Based on the context in which it is invoked, you can use this BAdI for the following purposes:

- Set agents that need to be excluded
- Set a maximum of five custom attributes
- Set the priority of a workflow step or task

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	18J (Requisitioning), O8J (Requisitioning), BMD (Purchase Contract), OMD (Purchase Contract), 1XI (Central Requisitioning)
Application Component	MM-PUR-REQ (Purchase Requisitions)

Additional Details

Based on the context in which the BAdI is invoked, you can use it for the following purposes:

- Set agents that need to be excluded when using the option *Exclude Restricted Agents Determined by BAdI* for the field *Exclude Restricted Agents* in *Manage Workflows for <Business Object>* app. These agents will then be excluded from being approvers of the workflow step.
- Set values of five generic custom attributes. Please note that these custom attributes can only be viewed in *My Inbox* custom tile created using the *Custom Tiles* app, with the URL parameter *expertMode=true* or *showAdditionalAttributes=true*.
- Set the priority of a workflow step (task) as low, medium, high, or very high. You can view this priority indicator for all the work items in the task list of *My Inbox* app.

You can access the BAdI and the BAdI documentation in the *Custom Logic* app.

Related Information

[Custom Fields App and Custom Logic App](#)

10.4.2.6 Enhancements in BAdIs for Purchase Requisitions

The following Business Add-Ins (BAdIs) have been enhanced:

- *Determination of Workflow Agents for Purchasing Documents*
- *Change of OCI 4.0 Data When Mapping to Draft Item of Self-Service Purchase Requisition*

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	18J (Requisitioning), O8J (Requisitioning), 1XI (Central Requisitioning), BMD (Purchase Contract), OMD (Purchase Contract)
Application Component	MM-PUR-REQ (<i>Purchase Requisitions</i>)

Additional Details

BAdI Name	Enhancement
Determination of Workflow Agents for Purchasing Documents (MMPUR_WORKFLOW_AGENTS_V2)	<ul style="list-style-type: none"> Additional field <code>stepsdetails</code> within the importing parameter <code>STEPINFO</code>. <code>Stepsdetails</code> is a table containing the step number, skip status and the rule type. The skip status tells us if the step has been skipped or not, and the reason why the step has been skipped. The rule type tells us about the type of the rule used for determining the recipient. Additional importing parameter <code>TASKTYPE</code>. This parameter provides the information about the type of task in context of which the BAdI is invoked. This can take the values 'Approval' or 'Review' that correspond to the Workflow Steps and Review Steps respectively in the app Manage Workflows for Purchase Requisitions.
Change of OCI 4.0 Data When Mapping to Draft Item of Self-Service Purchase Requisition (MMPUR_OCI_TO_DRAFT_ITM_MAPPING)	Additional importing parameter <code>ISEXTPURGSCENARIO</code> to differentiate between local and central purchase requisitions

You can access the BAdI and the BAdI documentation in the [Custom Logic](#) app.

Related Information

[Custom Fields App and Custom Logic App](#)

10.4.2.7 Manage Workflows for Purchase Requisitions

With this app, you can do the following:

- Define workflows for purchase requisitions containing limit items
- Configure workflows to enable approvers to send back purchase requisitions to requestors for rework
- Choose to exclude restricted agents from being approvers of the purchase requisitions
- Set workflow deadline in workdays
- Send email notifications to approvers once the approval deadline is reached
- Define the reviewers or people responsible for monitoring the progress of the workflow

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	18J (Requisitioning), 1XI (Central Requisitioning), O8J (Requisitioning), BNX (Consumable Purchasing)
Application Component	MM-FIO-PUR-REL (<i>Fiori UI for Purchasing Approval</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

- **Rework**

Configure workflows with step type *Overall Release of Reworkable PR* and *Release of Reworkable PR Item* to enable approvers to send back purchase requisitions or items to requestors for rework. Configure workflows with step type *Overall Release of Reworkable Central PR* and *Release of Reworkable Central PR Item* to enable approvers to send back central purchase requisitions and items to requestors for rework. Requesters can make the required changes in the requisition and resubmit.

- Configure the resultant action for *Rework Requested* exception as *Repeat Step*, *Restart Workflow* or *Continue*. The resultant action after rework can be configured as follows:
 - *Repeat Step* - The same workflow step is repeated
 - *Restart Workflow* - The workflow starts again from the beginning
 - *Continue* - The workflow continues with the subsequent step

Note that if the rework changes are restart-relevant, the workflow is restarted irrespective of the resultant action chosen.

- **Recipients and Deadline in Rework Requested Exception Handling**

When choosing the rework action, you can choose the recipients to whom the purchase requisition or item is to be sent for rework. Currently, you can only choose the recipient as *Determined automatically*. In this case, the purchase requisition is sent back to the requester for rework. You can also choose the deadline by which the recipient should resubmit the reworked purchase requisition or item.

- **Exclude Restricted Agents**

- *Exclude Requestors* - Requestors/creators of purchase requisition will not receive requisitions created by them for approval in their inbox
- *Exclude Restricted Agents Determined by BAdI* - The agents that are set using the BAdI *Enhancement of Flexible Workflow Properties* (MMPUR_WFL_CONTEXT_ENHANCE) are excluded from being approvers of the workflow step.
- This option is not relevant for automatic release of purchase requisition
- After exclusion, if no recipients are determined, the workflow will move to error unless the step is marked optional

- **Determination of Factory Calendar for Workflow Deadline**

The factory calendar that is used to calculate the workdays can be defined using the BAdI, *Determination of Factory Calendar for Workflow Deadline* (MMPUR_PROC_WF_FACTORY_CALENDAR). If there is no custom logic defined, all days of the week are considered as workdays

- **Review Workflow**

Define the reviewers or people responsible for monitoring the progress of the workflow. You can also define the corresponding step conditions and deadlines. When a workflow is started, all the reviewers are notified. The reviewers can then track the progress of the workflow.

- **Deadline Email Notification**

You can add a deadline and choose the action as [Send mail notification](#). You can then choose the desired email template and select the recipients to whom you wish to send the notification. Note that the email template must be maintained by the administrator using the app, [Manage Email Templates](#).

- **Additional Start Condition/Step Condition**

An additional start condition/step condition for total net amount or net amount less than a specified value is available for Overall Release and Item Level Release of purchase requisitions respectively. For limit items, the expected value is considered as the net amount.

Related Information

[Manage Workflows for Purchase Requisitions](#)

10.4.2.8 Edit and Approve Purchase Requisition

With this app, you can now do the following:

- Choose [Request Rework](#) option to edit and send back reworkable purchase requisitions to requesters for rework
- View and edit limit items in purchase requisitions
- Choose the attachment document type while adding attachments
- View details of the [Review Steps](#), if any, under [Approval Details](#)
- View the total value of purchase requisitions in [Total Value Currency](#)
- View the VAT registration number and email address of suppliers in supplier value help

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	18J (Requisitioning), 1XI (Central Requisitioning), O8J (Requisitioning), BNX (Consumable Purchasing)
Application Component	MM-FIO-PUR-REL (Fiori UI for Purchasing Approval)
Valid as Of	SAP S/4HANA 2021

Additional Details

- While adding attachments, you now have the option to choose one of the attachment document types that you have defined in the system.
- In the display mode, you can view the total value of purchase requisition in *Total Value Currency*. The preferred *Total Value Currency* is maintained by the configuration expert in the *Default Settings for Users* app. If there is no preference maintained, the system automatically determines a value.
- In the supplier value help, you can now filter and sort the search results using the VAT registration number of suppliers.
- In the display mode, you can view the *Review Steps*, if any, under *Approval Details*. *Review Steps* contain the list of reviewers or people responsible for monitoring the progress of the workflow.

Related Information

[Edit and Approve Purchase Requisition](#)

10.4.2.9 Purchase Requisition Object Page

In this object page, you can now view the following:

- Total value of purchase requisitions in a currency that is based on the *Total Value Currency*. The preferred *Total Value Currency* is maintained by the configuration expert in the *Default Settings for Users* app. If there is no preference maintained, the system automatically determines a value.
- *Approval Details* section that contains details related to the workflow steps of the purchase requisition.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	18J (Requisitioning), 1XI (Central Requisitioning), O8J (Requisitioning), BNX (Consumable Purchasing)
Application Component	MM-PUR-REQ (<i>Purchase Requisitions</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Purchase Requisition](#)

10.4.2.10 Purchase Requisition Item Object Page

You can now view the [Approval Details](#) section that contains details related to the workflow steps of the purchase requisition item.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	18J (Requisitioning), 1XI (Central Requisitioning), O8J (Requisitioning), BNX (Consumable Purchasing)
Application Component	MM-PUR-REQ (Purchase Requisitions)
Valid as Of	SAP S/4HANA 2021

Related Information

[Purchase Requisition Item](#)

10.4.2.11 Change in Business Add-In Names

The names (BAI descriptions) of few Business Add-Ins have been changed.

Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	18J (Requisitioning), O8J (Requisitioning), 1XI (Central Requisitioning), BMD (Purchase Contract), OMD (Purchase Contract)
Application Component	MM-PUR-REQ (<i>Purchase Requisitions</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

BAdI Technical Name	Old Name	Changed To
MM_PUR_S4_PR_CHECK	<i>BAdI for PR Check</i>	<i>Check of Purchase Requisition Item</i>
MM_PUR_S4_PR_MODIFY_HEADER	<i>BAdI for PR Header Modify</i>	<i>Change of Header of a Purchase Requisition</i>
MM_PUR_S4_PR_MODIFY_ITEM	<i>PR BAdI for Item</i>	<i>Change of Purchase Requisition Item</i>
MMPUR_CAT_PROXY_INFO	<i>BAdI for getting proxy server info while OCI Validate Call</i>	<i>Specification of Proxy Server During OCI Validation</i>
MM_PUR_S4_PR_WFL_RESTART	<i>Define Conditions to Restart Flexible Workflow</i>	<i>Definition of Conditions to Restart Flexible Workflow in Purchase Requisitions</i>
MMPUR_CAT_TRANS_EXTRACT_DATA	<i>Enrich data before persisting to the staging area</i>	<i>Change of Catalog Data During Catalog Extraction</i>
MM_PUR_S4_SSPPR_MOD_DRAFT_ITEM	<i>SSP PR Modify Draft Item</i>	<i>Change of Draft Item of a Self-Service Purchase Requisition</i>
MM_PUR_S4_SSPPR_CHK_DRAFT_ITEM	<i>SSP PR Check Draft Item</i>	<i>Check of Draft Item of a Self-Service Purchase Requisition</i>
MMPUR_OCI_TO_DRAFT_ITM_MAPPING	<i>OCI to Draft Item mapping</i>	<i>Change of OCI 4.0 Data When Mapping to Draft Item of Self-Service Purchase Requisition</i>
MMPUR_OCI_ITEM_TRANSFER_DATA	<i>Transfer Data to the item</i>	<i>Change of OCI 4.0 Data When Mapping to a Purchase Requisition Item</i>
MMPUR_OCI_OUTBOUND_PARAMETERS	<i>Change of OCI 4.0 Outbound Parameters</i>	<i>Change of OCI 4.0 Outbound Parameters for Purchase Requisitions</i>

Related Information

[Custom Fields App and Custom Logic App](#)

10.4.3 Purchase Order Processing

10.4.3.1 Business Add-Ins for Purchase Orders

With these features, you can

- modify the properties of specific fields that appear on the user interface using the Business Add-In (BAdI) **Change of Field Control for Purchase Order Item** (MM_PUR_S4_PO_FLDCTRL_SIMPLE) and BAdI **Change of Field Control for Purchase Order Header** (MM_PUR_S4_PO_FLDCTRL_SIMPLE_H).
- make changes to date fields on schedule line level of a purchase order using the Business Add-In (BAdI) **Modification of Purchase Order Schedule Line Data** (MM_PUR_S4_PO_MODIFY_SCHEDULE)
- put a purchase order in display mode and prevent further processing by using the Business Add-In (BAdI) **Open Purchase Order** (MM_PUR_S4_PO_OPEN)

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J45 (Procurement of Direct Materials), J62 (Asset Accounting), 3UK (Inbound Storage Tank Management - Process Manufacturing), BMY (Subcontracting), 1W8 (Legal Control), J82 (Automated Purchase-to-Pay with SAP Ariba Commerce Automation), 2TW (Complementary Procurement Functions), BNX (Consumable Purchasing), 2TX (Direct Procurement with Inbound Delivery), 22K (External Workforce Procurement via SAP Fieldglass), 2NV (Guided Buying Capability with SAP Ariba Buying), 2XU (Procurement of Materials with Variant Configuration), 22Z (Procurement of Services), 2R7 (Purchasing Rebate Processing), 18J (Requisitioning), 2LG (Supplier Consignment), 1FM (Quality Management in Procurement),
Application Component	MM-PUR (Purchasing), MM-FIO_PUR-PO (Fiori UI for Purchasing)
Valid as Of	SAP S/4HANA 2021

Additional Details

Change of Field Control for Purchase Order Item (MM_PUR_S4_PO_FLDCTRL_SIMPLE) and **Change of Field Control for Purchase Order Header** (MM_PUR_S4_PO_FLDCTRL_SIMPLE_H)

The modification of the properties of specific fields appearing on the user interface is possible for the following apps:

- Manage Purchase Orders
- Create Purchase Order - Advanced

Modification of Purchase Order Schedule Line Data ()

The Business Add-In (BAI) `MM_PUR_S4_PO_MODIFY_SCHEDULE` is used to make changes to date fields on schedule line level.

You can modify specific fields on schedule line level that appear on the user interface. Using this BAI you can change the following fields:

Field Name on the User Interface	Technical Name
Item Delivery Date	<code>SCHEDULELINEDELIVERYDATE</code>
Start Date for Period of Performance	<code>PERFORMANCEPERIODSTARTDATE</code>
End Date for Period of Performance	<code>PERFORMANCEPERIODENDDATE</code>
Delivery Date Time-Spot	<code>SCHEDULELINEDELIVERYTIME</code>

Note: Use the technical name of the fields for the BAI implementation.

Opening of Purchase Order

The BAI `MM_PUR_S4_PO_OPEN` is used to put a purchase order in display mode and make further processing of the purchase order impossible.

The following parameters are provided:

- `ISREADONLY`
- `ISVALID`

10.4.3.2 Change Purchase Order - Advanced

With this app, you can now view purchase order confirmations for enhanced limit items in a purchase order.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	2XU (Procurement of Materials with Variant Configuration), 2TX (Direct Procurement with Inbound Delivery)

Application Component	MM-FIO-PUR-PO (<i>Fiori UI for Purchasing</i>), MM-PUR (<i>Purchasing</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The column *Expected Value* was added to the confirmation tab of the purchase order item.

10.4.3.3 Create Purchase Order - Advanced

With this app:

- the fields *TAXCODE* and *TAXCOUNTRY* have been added to order type UD/UB. Therefore *RITA* is now supported for stock transport order.
- you can now edit purchase orders that are in the status *In Approval*.
- you can now include standard and custom purchase order fields in the *Decision Tables* as *Condition Columns* of the app *Output Parameter Determination*
- you can now include purchase order item attachments in the purchase order output.
- you can now send a rejected purchase order for approval. To send a rejected purchase order for approval, edit the purchase order, make any change(s) to the purchase order, and save the purchase order.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J45 (Procurement of Direct Materials); J13 (Service and Material Procurement - Project-Based Services); BNX (Consumable Purchasing); 22Z (Procurement of Services)
Application Component	MM-FIO-PUR-PO (<i>Fiori UI for Purchasing</i>), MM-PUR (<i>Purchasing</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Create Purchase Order - Advanced \(ME21N, ME22N, ME23N\)](#)

10.4.3.4 Deprecation of ProfitabilitySegment in CDS View for Purchase Order Processing

The field `ProfitabilitySegment` was deprecated with SAP S/4HANA 2021 and will be replaced with the field `ProfitabilitySegment_2`. We recommend that you switch to the field `ProfitabilitySegment_2` as soon as possible.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	MM-PUR (<i>Purchasing</i>), MM-FIO-PUR-PO (<i>Fiori UI for Purchasing</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

- The field `ProfitabilitySegment_2` is a character field (CHAR), while the field `ProfitabilitySegment` is a numeric character field (NUMC). The field lengths are the same.
- If no profitability segment is assigned to the field `ProfitabilitySegment_2`, there may be entries with a space (new entries), entries with 0000000000 (old entries), or both. When you switch to the field `ProfitabilitySegment_2`, you must adapt your code that checks whether the field is empty (that is, a space or 0000000000).
- The field `ProfitabilitySegment_2` will contain non-numeric characters (that is, characters from A to Z) after the system reaches the highest numerical value.

Affected CDS View:

`I_PurOrdAccountAssignmentAPI01`

Related Information

[Deprecated and Decommissioned CDS Views](#)

10.4.3.5 Enhancement for My Inbox to Show Account Assignment and Schedule Line Information

With this feature, you can navigate into item and limit item details. You can get an overview of account assignment details of all items as well as an overview of account assignment details of the schedule lines of non-limit items.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J45 (Procurement of Direct Materials), J62 (Asset Accounting), 3UK (Inbound Storage Tank Management - Process Manufacturing), BMY (Subcontracting), 1W8 (Legal Control), J82 (Automated Purchase-to-Pay with SAP Ariba Commerce Automation), 2TW (Complementary Procurement Functions), BNX (Consumable Purchasing), 2TX (Direct Procurement with Inbound Delivery), 22K (External Workforce Procurement via SAP Fieldglass), 2NV (Guided Buying Capability with SAP Ariba Buying), 2XU (Procurement of Materials with Variant Configuration), 22Z (Procurement of Services), 2R7 (Purchasing Rebate Processing), 18J (Requisitioning), 2LG (Supplier Consignment), 1FM (Quality Management in Procurement),
Application Component	MM-PUR (Purchasing), MM-FIO-PUR-PO (Purchase Order Processing)
Valid as Of	SAP S/4HANA 2021

Related Information

[Working with Purchase Orders in My Inbox](#)

10.4.3.6 Extensibility Support for Purchase Orders

With this release, **BAPI_PO_CREATE1** was enhanced for purchase order creation. **BAPI_PO_CREATE1** supports custom fields.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J45 (Procurement of Direct Materials), 22Z (Procurement of Services), BNX (Consumable Purchasing), J13 (Service and Material Procurement - Project-Based Services)
Application Component	MM-PUR (Purchasing), MM-FIO-PUR-PO (Purchase Order Processing)
Valid as Of	SAP S/4HANA 2021

10.4.3.7 Manage Purchase Orders

With this app, you can:

- use the [Account Assignment Category Q](#) to assign the material quantity to a specific stock needed for the completion of a specific project.
- prevent an automatic update of info records when a purchase order is changed. To do so go to ► [Materials Management](#) ► [Purchasing](#) ► [Environment Data](#) ► [Define Default Values for Buyers](#) ►.
- edit purchase orders that are in the status [In Approval](#).
- include standard and custom purchase order fields in the [Decision Tables](#) as [Condition Columns](#) of the app [Output Parameter Determination](#).
- include purchase order item attachments in the purchase order output.
- send a rejected purchase order for approval. To send a rejected purchase order for approval, open the rejected purchase order, click on [Edit](#) , make any change(s) to the purchase order, and click on [Order](#).

Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	J45 (Procurement of Direct Materials), J62 (Asset Accounting), 3UK (Inbound Storage Tank Management - Process Manufacturing), BMY (Subcontracting), 1W8 (Legal Control), J82 (Automated Purchase-to-Pay with SAP Ariba Commerce Automation), 2TW (Complementary Procurement Functions), BNX (Consumable Purchasing), 2TX (Direct Procurement with Inbound Delivery), 22K (External Workforce Procurement via SAP Fieldglass), 2NV (Guided Buying Capability with SAP Ariba Buying), 2XU (Procurement of Materials with Variant Configuration), 22Z (Procurement of Services), 2R7 (Purchasing Rebate Processing), 18J (Requisitioning), 2LG (Supplier Consignment), 1FM (Quality Management in Procurement),
Application Component	MM-PUR (Purchasing), MM-FIO-PUR-PO (Purchase Order Processing)
Valid as Of	SAP S/4HANA 2021

Related Information

[Manage Purchase Orders](#)

10.4.3.8 Manage Workflows for Purchase Orders

With this app, you can now:

- Define a logic to restart the approval process when changes have been made to purchase orders
- Specify agents to be excluded from the list of approvers in the workflow for purchase orders
- Define approvers for the approval of purchase orders in the [Manage Teams and Responsibilities - Procurement](#) app
- Restart the flexible workflows for purchase orders by specifying the [Restart Type, Conditional Restart](#)
- Retrieve the current step number and the total number of steps in the workflow for purchase orders
- Exclude the creator of the purchase order from the workflow recipient list
- Set workflow deadline in workdays
- Include the purchase order header data in the emails sent to the approvers when the approval for a purchase order is pending
- Include the fields, [Supplier Name](#) and [Created By](#) in the emails sent to approvers when the approval for a purchase order is pending

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J45 (Procurement of Direct Materials)
Application Component	MM-FIO-PUR-PO-WFL (Workflows for Purchase Orders)
Valid as Of	SAP S/4HANA 2021

Additional Details

- **Exclude Agents in Flexible Workflows**

To exclude agents, choose [Exclude Restricted Agents Determined by BAdI](#) available in the field [Exclude Restricted Agents](#). When you specify the field [Exclude Restricted Agents](#) using the BAdI [Enhancement of Flexible Workflow](#), the agents that have been excluded from the list of approvers do not receive the purchase orders for approval in their Inbox.

- **Exclude PO Creator**

- When you create a workflow and choose the option [Exclude PO Creator](#) in the field [Exclude Restricted Agents](#), the creator of the purchase order does not receive the purchase orders for approval in their Inbox.
- The option, [Exclude PO Creator](#) is not applicable for the automatic release of purchase orders.

i Note

When you specify the option, [Exclude PO Creator](#) and do not include recipients in the workflow, an error occurs. To prevent errors, you can mark the step as an optional step.

- **Determination of the Factory Calendar for Workflow Deadlines**

You can use the BAdI, [Determination of Factory Calendar for Workflow Deadline](#) (MMPUR_PROC_WF_FACTORY_CALENDAR) to calculate the workdays in the factory calendar. If you do not define any custom logic for the calendar days, all the days are considered as workdays.

- **Enhancements to the Approval Workflows**

- The parameter STEPINFO in the custom logic [Determination of Workflow Agents for Purchasing Documents](#) has been enhanced for purchase orders. This parameter allows you to retrieve the current step number and the total number of steps in the workflow for purchase orders. To retrieve the information, specify the importing parameter, STEPINFO in the custom logic [Determination of Workflow Agents for Purchasing Documents](#). To use this new parameter, ensure that you create a new workflow and enhance your BAdI implementation. For more information, go to the [Custom Fields and Logic](#) app to access the custom logic [MMPUR_WORKFLOW_AGENTS_V2](#) and see the custom logic documentation.

i Note

This parameter is not available in workflows that have been created prior to the release of SAP S/4HANA Cloud 2105.

- Define a custom logic to restart the approval process when changes have been made to purchase orders. You define the logic using the custom logic [Define Conditions to Restart Workflow in Purchase Orders](#) (MMPUR_PO_WORKFLOW_RESTART). You can also use this custom logic to override the configurations defined in configuration step [Manage Conditions to Restart Flexible Workflow for Purchase Orders](#).
- The restart type, [Conditional Restart](#) allows you to prevent the approval workflows from starting again when you do not require an approval for the purchase order. This condition is available in the configuration step [Manage Conditions to Restart Flexible Workflow](#).
This restart type is only applicable to changes in a newly created workflow configuration. If you make changes to any of the fields applicable to the restarting of the approval process in an existing workflow configuration, the approval workflow is not triggered again.

i Note

Conditional restart is not applicable for a step condition.

● **Enhancements to Approval Templates**

○ **Purchase Order Header Data**

You can include the purchase order header data in the email template. To do so, copy the email template, MMPUR_PO_WFL_DEADLINE_EMAIL and customize the template with the necessary changes.

As an administrator, do the following to add the purchase order header data in the email template:

1. Open the app [Manage Email Templates](#).
2. Do one of the following:
 - Search for the email template MMPUR_PO_WFL_DEADLINE_EMAIL and click [Copy](#).
 - Choose an existing custom template that you previously created using the email template.
3. Edit the template to add the field POHeaderTextPlainLongText.
4. Save the template.
5. Choose the newly created template in the field [E-mail Template](#) when you configure the workflow.
For more information about the detailed configuration, see the topic [How to enable email notifications for pending purchase order approvals?](#).

○ **Include Supplier Name and Created By in Approval Templates**

You can include the user details, [Supplier Name](#) and [Created By](#) in the predelivered template MMPUR_PO_WFL_DEADLINE_EMAIL. Update the custom email template to include these fields.

Approvers can see the user details in the emails sent to them for approvals pending against purchase orders.

As an administrator, do the following to add the user details fields:

1. Open the app [Manage Email Templates](#).
2. Do one of the following:
 - Search for the email template MMPUR_PO_WFL_DEADLINE_EMAIL and click [Copy](#).
 - Choose an existing custom template that you previously created using the email template.
3. Edit the template and add the fields CreatedByUser and SupplierName.
4. Save the template.
5. Choose the newly created template in the field [E-mail Template](#) when you configure the workflow.
For more information about the detailed configuration, see the topic [How to enable email notifications for pending purchase order approvals?](#).

Related Information

[Manage Workflows for Purchase Orders](#)

10.4.3.9 Multiple Address Handling for Customer Field in Third-Party Purchase Order

With this feature, you can search for multiple addresses using the new f4 help button next to the *Customer* field on the *Delivery Address* tab of your third-party purchase order item.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	MM-PUR (<i>Purchasing</i>), MM-FIO-PUR-PO (<i>Purchase Order Processing</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

If *Multiple Address Handling* is active and customer master data has been consolidated as required you can consume parts of the *SAP Business Partner* data model that can provide multiple delivery addresses in the *Customer* field on the *Delivery Address* tab of your purchase order item. When ordering material of the *Item Category S* (third-party) and making an entry into the *Customer* field the default address will be populated. To select a different address maintained for the same customer you can use the new F4 value help button next to the customer field. All available addresses for the entered customer will be shown. After selection the delivery address fields will be filled accordingly.

The new *SAP Business Partner* model is supported for the third-party scenario in *Purchase Requisition*, *Purchase Order*, and *Purchasing Agreement*.

For more details, see [Multiple Address Handling in SD Documents Using SAP Business Partner \[page 717\]](#)

Related Information

[Multiple Address Handling in SD Documents Using SAP Business Partner](#)

10.4.3.10 Product Compliance in Purchase Orders

The product compliance status fields are now available in purchase orders.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J45 (Procurement of Direct Materials), J62 (Asset Accounting), 3UK (Inbound Storage Tank Management - Process Manufacturing), BMY (Subcontracting), 1W8 (Legal Control), J82 (Automated Purchase-to-Pay with SAP Ariba Commerce Automation), 2TW (Complementary Procurement Functions), BNX (Consumable Purchasing), 2TX (Direct Procurement with Inbound Delivery), 22K (External Workforce Procurement via SAP Fieldglass), 2NV (Guided Buying Capability with SAP Ariba Buying), 2XU (Procurement of Materials with Variant Configuration), 22Z (Procurement of Services), 2R7 (Purchasing Rebate Processing), 18J (Requisitioning), 2LG (Supplier Consignment), 1FM (Quality Management in Procurement), J13 (Service and Material Procurement - Project-Based Services)
Application Component	MM-FIO-PUR-PO (<i>Fiori UI for Purchasing</i>), MM-PUR(<i>Purchasing</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

Product Compliance is a way to manage the compliance for your products by assessing their marketability in different countries and regions, by classifying products according to dangerous goods regulations, and by shipping required safety data sheets.

For compliance-relevant products in a stock transfer order, the system checks whether a safety data sheet is required and whether the relevant safety data sheet is available in the specified languages.

If a product has been classified as a dangerous good, the system also checks if all necessary dangerous goods data is available, and whether transportation of the product is allowed.

Depending on the outcome of this check, the system sets the corresponding status for the item. Based on the item status, the system also sets a status in the header of the stock transfer order.

The following status fields for the results of the product compliance checks are available on purchase order header level and on purchase order item level:

- Product Compliance Supplier Check Status
- Product Marketability Status
- Dangerous Goods Status
- Safety Data Sheet Status

These status fields are available in the following apps:

- Manage Purchase Orders
- Create Purchase Order - Advanced

The product compliance status fields are added to the API service:

API_PURCHASEORDER_PROCESS_SRV to the purchase order header node and to the purchase order item node.

10.4.3.11 Schedule Release of Purchase Order Outputs

With this app, you can schedule application jobs to send the outputs for purchase orders. These outputs are then sent to the respective suppliers.

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	J45 (Procurement of Direct Materials)
Application Component	MM-FIO-PUR-PO (Purchase Order Processing)
Valid as Of	SAP S/4HANA 2021

Related Information

[Schedule Release of Purchase Order Outputs](#)

10.4.3.12 Situation Template: Delivery Insights for Ordered Items

With this feature you can inform purchasers if goods are damaged during delivery.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4IH (Delivery Insights enabled by IoT),
Application Component	MM-PUR (<i>Purchasing</i>), MM-FIO-PUR-PO (<i>Purchase Order Processing</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

This information is based on SAP IoT sensors. Using the SAP IoT service, you can specify which values the SAP IoT sensor values for the handling units containing the goods are compared to. If the sensor values deviate from the specified values, a situation is raised and a notification is sent to the relevant purchasers.

Related Information

[Situation Template: Delivery Insights for Ordered Items](#)

[New Use Cases for Situation Handling \[page 1103\]](#)

10.4.4 Service Purchasing and Recording

10.4.4.1 SOAP API: *Service Entry Sheet - Create, Delete (Lean Services)*

You can now use six new Business Add-Ins (BADIs) to define custom logic when creating and deleting a service entry sheet using the API *Service Entry Sheet - Create, Delete (Lean Services)* (see details in the Additional Details section). Furthermore, the field `ServicePerformanceEndDate` (Service Performance End Date) has been added to the `ServiceEntrySheetItem` (Item) of the SOAP service *Service Entry Sheet - Create, Delete*

([Lean Services](#)). This enables you to record end dates of performance periods for service entry sheet items. Use `ServicePerformanceDate` as the respective start date of the performance period.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Automation of Source-to-Pay with Ariba Network, Service Procurement with Ariba Network and SAP Fieldglass.
Application Component	MM-PUR-SVC-SES (Service Entry Sheet for Service Procurement)
Available As Of	SAP S/4HANA 2021

Additional Details

The BAdIs are available in the [Custom Logic App](#) > [Custom Logic](#) under the business context [Procurement: Service Entry Sheet Header](#).

We recommend taking a look at the detailed BAdI documentation before implementing custom logic. The BAdI documentation is available in the [Custom Logic](#) app: [Custom Logic](#) > [<your implementation>](#) > [BAdI documentation](#) > [View BAdI documentation](#).

Business Add-Ins for Creating Service Entry Sheets

- **Data Processing Before Creating Service Entry Sheets**
Before creating a service entry sheet, you can use this BAdI to modify the data processing after the standard mapping of the API [Service Entry Sheet – Create, Delete \(Lean Services\)](#).
- **Customized XML Mapping Before Creating Service Entry Sheets**
You can use this BAdI to replace the standard mapping with your own customized XML mapping. The BAdI is called before the standard mapping of the API [Service Entry Sheet – Create, Delete \(Lean Services\)](#), hence before creating a service entry sheet.
- **Data Processing After Creating Service Entry Sheets**
You can use this BAdI to modify the data processing after creating a service entry sheet using the API [Service Entry Sheet – Create, Delete \(Lean Services\)](#).

Business Add-Ins for Deleting Service Entry Sheets

- **Data Processing Before Deleting Service Entry Sheets**
Before deleting a service entry sheet, you can use this BAdI to modify the data processing after the standard mapping of the API [Service Entry Sheet – Create, Delete \(Lean Services\)](#).
- **Customized XML Mapping Before Deleting Service Entry Sheets**

You can use this BAdI to replace the standard mapping with your own customized XML mapping. The BAdI is called before the standard mapping of the API [Service Entry Sheet – Create, Delete \(Lean Services\)](#), hence before deleting a service entry sheet.

- **Data Processing After Deleting Service Entry Sheets**

You can use this BAdI to modify the data processing after deleting a service entry sheet using the API [Service Entry Sheet – Create, Delete \(Lean Services\)](#).

Related Information

[Service Entry Sheet - Create, Delete \(Lean Services\)](#)

Extensibility: [Service Entry Sheet – Create, Delete \(Lean Services\)](#)

[Service Entry Sheet](#)

10.4.4.2 SOAP API: [Service Entry Sheet - Revoke \(Lean Services\)](#)

You can now use three new Business Add-Ins (BAdIs) to define custom logic when creating a service entry sheet using the API [Service Entry Sheet - Revoke \(Lean Services\)](#):

- [Data Processing Before Revoking Service Entry Sheets](#)
- [Customized XML Mapping Before Revoking Service Entry Sheets](#)
- [Data Processing After Revoking Service Entry Sheets](#).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Automation of Source-to-Pay with Ariba Network, Service Procurement with Ariba Network and SAP Fieldglass, External Workforce Procurement via SAP Fieldglass
Application Component	MM-PUR-SVC-SES (Service Entry Sheet for Service Procurement)
Available As Of	SAP S/4HANA 2021

Additional Details

The BAdIs are available in the  [Custom Logic App](#)  [Custom Logic](#)  under the business context [Procurement: Service Entry Sheet Header](#).

- **Data Processing Before Revoking Service Entry Sheets**
Before revoking a service entry sheet, you can use this BAdI to modify the data processing after the standard mapping of the API [Service Entry Sheet – Revoke \(Lean Services\)](#).
- **Customized XML Mapping Before Revoking Service Entry Sheets**
You can use this BAdI to replace the standard mapping with your own customized XML mapping. The BAdI is called before the standard mapping of the API [Service Entry Sheet – Revoke \(Lean Services\)](#), hence before revoking a service entry sheet.
- **Data Processing After Revoking Service Entry Sheets**
You can use this BAdI to modify the data processing after revoking a service entry sheet using the API [Service Entry Sheet – Revoke \(Lean Services\)](#).

We recommend taking a look at the detailed BAdI documentation before implementing custom logic. The BAdI documentation is available in the [Custom Logic](#) app: [Custom Logic](#) > [<your implementation>](#) > [BAdI documentation](#) > [View BAdI documentation](#).

Related Information

[Service Entry Sheet – Revoke \(Lean Services\)](#)
[Extensibility: Service Entry Sheet – Revoke \(Lean Services\)](#)

10.4.4.3 Manage Workflows for Service Entry Sheets - Lean Services

In the [Manage Workflows for Service Entry Sheets - Lean Services](#) app, you can now:

- exclude requestors from being approvers
- define a time frame in which a workflow step must be completed. If a deadline is overdue, you can mark the step as overdue or send an e-mail notification to specific recipients.
- define an active [Evaluated Receipt Settlement](#) as a prerequisite for workflows and workflow steps

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Procurement of Services, Service and Material Procurement - Project-Based Services, Automation of Source-to-Pay with Ariba Network, Service Procurement with Ariba Network and SAP Fieldglass

Additional Details

Exclude Requestors from Being Approvers

With this feature, you can choose to exclude restricted agents from being approvers of a service entry sheet. By default, restricted agents aren't excluded. On choosing [► Step Properties ► Exclude Restricted Agents ► Exclude Requestors ►](#), requestors/creators of service entry sheets won't receive service entry sheets created by them for approval in their inbox. Note that this option isn't relevant for automatic releases of service entry sheets. After exclusion, if no recipients are determined, the workflow will move to error unless the step is marked optional.

Define Deadlines for Workflow Steps

With this feature, you can now define a time frame in which a workflow step must be completed. If a deadline is overdue, you can mark the step as overdue or send an e-mail notification to specific recipients. One step can have multiple deadlines and you can assign separate, predefined emails. As a measure of time you can use minutes, hours, days, or workdays that are based on a factory calendar.

Also see section [Effects on Configuration \[page 846\]](#) for more details.

Define the *Evaluated Receipt Settlement* as a Prerequisite for a Workflows and Workflow Steps

With this feature, you can define that a workflow for service entry sheets or a specific workflow step should only be triggered if the *Evaluated Receipt Settlement* (ERS) was activated in the reference purchase order item. For this a new precondition *Evaluated Receipt Settlement is Activated* has been added to the possible *start conditions* as well as *step conditions* within the *Manage Workflows for Service Entry Sheets - Lean Services* app.

Effects on Configuration

E-mail Notification for Deadlines

In the *Manage Service Entry Sheets* app, you can use the predefined e-mail template `SES_EMAIL_DEADLINE` to send a notification to recipients that the approval of a service entry sheet is overdue and that appropriate action has to be taken as soon as possible. This predefined notification e-mail contains the name of the service entry sheet as well as the service entry sheet number.

You can customize the predefined e-mail template or define your own e-mail template in the app *Maintain e-mail Templates*. Copy the predelivered e-mail template `SES_EMAIL_DEADLINE` into your namespace to make your changes. The custom template must follow this pattern: `YY1_Name`.

Workdays as a Measure of Time

To be able to set workflow deadlines in workdays, you assign a factory calendar for deadline calculation in the app *Custom Logic*. If there is no custom logic defined, all days are considered as workdays. You can assign your

factory calendar for workflow deadlines by creating an implementation for the BAdI [Determination of Factory Calendar for Workflow Deadline](#) (MMPUR_PROC_WF_FACTORY_CALENDAR).

i Note

To customize e-mail templates and assign factory calendars for deadline calculation you require the [Administrator](#) role (SAP_BR_ADMINISTRATOR).

Related Information

- [Manage Workflows for Service Entry Sheets - Lean Services](#)
- [Configure Workflow Steps](#)
- [Configure Workflow Steps](#)

10.4.4.4 Record Consumable Materials in Manage Service Entry Sheets - Lean Services

With this feature you can now record **consumable materials** in service entry sheets. Consumable materials are items of product type group [Material \(01\)](#) that were used during the execution of a service and that were planned together with a service in the reference purchase order. Please be aware of several restrictions regarding the material type that you can add.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Procurement of Services, Service and Material Procurement - Project-Based Services, Automation of Source-to-Pay with Ariba Network, Service Procurement with Ariba Network and SAP Fieldglass
Application Component	MM-PUR-SVC-SES (Service Entry Sheet for Service Procurement)
Valid as Of	SAP S/4HANA 2021

Additional Details

As you can now add **consumable materials** of product type group [Material \(01\)](#) to a service entry sheet, this service is no longer limited to items of product type group [Service \(02\)](#). However, be aware that you can only record materials that were planned together with a service in a purchase order. This means that you have to maintain at least one item of product type group [Service \(02\)](#) in a service entry sheet. Please also note that you can't change the account assignment stated in the purchase order item for consumable materials in a service entry sheet.

While you can add materials with or without a product master, there are several restrictions to the type of material you can add to a service entry sheet. You can't record the following material types in a service entry sheet:

- batch-managed materials
- materials with classification
- materials with serial numbers
- materials with split valuation
- materials with manufacturer part numbers
- materials with a filled revision level
- retail articles (with subitems in the purchase order)

Related Information

[Manage Service Entry Sheets - Lean Services](#)

[Consumable Materials in Service Entry Sheets – Lean Services](#)

[Planned and Unplanned Services in Service Entry Sheets – Lean Services](#)

[Requirements for the Creation of Service Entry Sheets - Lean Services](#)

10.4.4.5 Add Items With Product Master When Recording Unplanned Services in Manage Service Entry Sheets - Lean Services

With this feature, you can now add items with **product master** to service entry sheets when recording **unplanned services**. The respective purchase order limit items can reference a purchase contract. This feature of the app [Manage Service Entry Sheets](#) is no longer limited to free-text items.

Technical Details

Type	Changed
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Functional Localization	Not applicable
Scope Item	Procurement of Services, Service and Material Procurement - Project-Based Services, ,
Application Component	MM-PUR-SVC-SES (Service Entry Sheet for Service Procurement)
Valid as Of	SAP S/4HANA 2021

Additional Details

When recording unplanned services in service entry sheets, you reference purchase order limit items. You can now also add purchase order limit items with product master as service entry sheet items (product type group [Service](#) (2)). The purchase order limit items can reference a purchase contract.

After maintaining the service entry sheet item, the system displays the expected value of the referenced purchase order limit item. It issues a warning if the expected value is exceeded or an error if the (aggregated) stated amount exceeds the overall limit.

Related Information

[Manage Service Entry Sheets - Lean Services](#)

[Planned and Unplanned Services in Service Entry Sheets – Lean Services](#)

[Requirements for the Creation of Service Entry Sheets - Lean Services](#)

10.4.4.6 Add and Delete Multiple Items in Manage Service Entry Sheets - Lean Services

With this feature you can now

- directly add multiple service entry sheet items based on one purchase order item.
- delete multiple service entry sheet items at once.

Technical Details

Type	Changed
------	---------

Functional Localization	Not applicable
Scope Item	Procurement of Services, Service and Material Procurement - Project-Based Services, Automation of Source-to-Pay with Ariba Network, Service Procurement with Ariba Network and SAP Fieldglass
Application Component	MM-PUR-SVC-SES (Service Entry Sheet for Service Procurement)
Valid as Of	SAP S/4HANA 2021

Additional Details

- Add Multiple Service Entry Sheet Items Based on One Purchase Order Item**
 When selecting which purchase order item you want to add as a service entry sheet item, you can now define that you want to add multiple service entry sheet items based on one purchase order item. You can do this by using the +/- buttons to indicate how many service entry sheet items you want to add.
- Delete Multiple Service Entry Sheet Items At Once**
 You can now delete multiple service entry sheet items at once. Select the service entry sheet items you want to delete and click on the [Delete](#) button.

Related Information

[Manage Service Entry Sheets - Lean Services](#)

[Planned and Unplanned Services in Service Entry Sheets – Lean Services](#)

[Requirements for the Creation of Service Entry Sheets - Lean Services](#)

10.4.4.7 Evaluated Receipt Settlement in Manage Service Entry Sheets - Lean Services

With this feature, you can now revoke a service entry sheet although an invoice already exists. For this, the [Evaluated Receipt Settlement](#) has to be activated in the referenced purchase order item as well as in the supplier master data. If you make the required customizing setting, the goods receipt is automatically cancelled after you revoke a service entry sheet.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Procurement of Services, Service and Material Procurement - Project-Based Services
Application Component	MM-PUR-SVC-SES (Service Entry Sheet for Service Procurement)
Available As Of	SAP S/4HANA 2021

Additional Details

The [Evaluated Receipt Settlement \(ERS\)](#) is a procedure for the automatic settlement of goods receipts. When you use [Evaluated Receipt Settlement \(ERS\)](#), you agree with the supplier that the latter won't submit an invoice in respect of a purchase order transaction. Instead, the system posts the invoice document automatically on the basis of the data in the purchase order and goods receipts. This eliminates invoice variances (too high a price, for example).

You activate the [Evaluated Receipt Settlement \(ERS\)](#) in the purchase order item. In addition, the supplier has to activate the [Evaluated Receipt Settlement \(ERS\)](#) in the supplier master data. To enable the automatic cancellation of goods receipts for service entry sheets with invoices, use transaction OMBZ to set the flag `REVGR` desp. `IR` for movement type 102.

Related Information

[Manage Service Entry Sheets - Lean Services](#)
[Evaluated Receipt Settlement \(ERS\)](#)

10.4.4.8 Performance Periods and Enhanced Process Flow in Manage Service Entry Sheets - Lean Services

In the app [Manage Service Entry Sheets - Lean Services](#), you can now

- enter a performance period for service entry sheets items you're recording. This feature enables you to record the time period during which a service or material was provided. The [Performance Date](#) field has been changed to [Performance Period](#).
- you can now view an enhanced [Process Flow](#) diagram. The referenced [Purchase Requisition](#) as well as the [Purchase Contract](#) have been added to the diagram. By clicking on the individual document, you can navigate to the referenced document in its specific app.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Procurement of Services, Automation of Source-to-Pay with Ariba Network, Service Procurement with Ariba Network and SAP Fieldglass
Application Component	MM-PUR-SVC-SES (<i>Service Entry Sheet for Service Procurement</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

Performance Periods

It is now possible to record a *Performance Period* that spans several days. However, it is also still possible to specify a specific date on which a service or a material was provided. To do this, select the same date as the start and end date of the performance period.

Related Information

[Manage Service Entry Sheets - Lean Services](#)

10.4.4.9 Pricing and Taxes in Manage Service Entry Sheets - Lean Services

With this feature, you can now

- display the *Pricing* information of planned and unplanned service items in service entry sheets. The referenced purchase order limit items must have a purchase contract as source of supply.
- display and edit tax information in service entry sheets. In detail, you can edit the *Tax Code*, the *Tax Country/Region* and, if applicable, the *Tax Jurisdiction Code* for each service entry sheet item. As in the referenced purchase order, the editability of the *Tax Country/Region* is determined based on the company code of the receiving plant. In case no company code is assigned to it, the country/region of the company code in the purchase order header is used. The *Stated Amount Including Input Tax* of the service entry sheet item as well as of the entire service entry sheet are updated automatically.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Procurement of Services, Service and Material Procurement - Project-Based Services
Application Component	MM-PUR-SVC-SES (Service Entry Sheet for Service Procurement)
Available As Of	SAP S/4HANA 2021

Additional Details

Display Pricing Information

The pricing elements, for example the pricing procedure, price conditions and subtotals, are predefined in the purchase contract. When you create a service entry sheet item, the condition basis as well as resulting values are determined and displayed automatically.

Note

In a service entry sheet, you can't display the pricing information for unplanned service items with reference to purchase order limit items that don't have purchase contract as source of supply.

Display and Edit Taxes

Note that the [Tax Date](#) can't be changed in service entry sheet items. You define the tax date in the reference purchase order item. It's then displayed in the service entry sheet item.

For detailed information on taxes in service entry sheets, see [Taxes in Manage Service Entry Sheets – Lean Services](#).

Related Information

[Manage Service Entry Sheets - Lean Services](#)

[Taxes in Manage Service Entry Sheets – Lean Services](#)

10.4.4.10 Business Events for Service Entry Sheets

With this feature, you can enable the [service entry sheet](#) business object to trigger the following business events:

- Created
- Changed

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Procurement of Services, Service and Material Procurement - Project-Based ServicesAutomation of Source-to-Pay with Ariba NetworkService Procurement with Ariba Network and SAP Fieldglass, External Workforce Procurement via SAP Fieldglass
Application Component	MM-PUR-SVC-SES (Service Entry Sheet for Service Procurement)
Available As Of	SAP S/4HANA 2021

Additional Details

This event is available on the [SAP API Business Hub](#) .

Related Information

[Service Entry Sheet Events](#)

10.5 Central Requisitioning

10.5.1 Data Update between Systems for Approved Purchase Requisitions

This feature enables you to update data from the connected system to the hub system for approved purchase requisitions.

Technical Details

Type	Changed
Functional Localization	Not Applicable
Scope Item	1XI (Central Requisitioning)
Application Component	MM-PUR-HUB-PR (<i>Central Requisitioning</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Central Requisitioning](#)
[Central Purchase Requisition Processing](#)
[Central Purchasing](#)

10.6 Central Purchasing

10.6.1 Support for Non-SAP Connected Systems

With this feature, you can now display and manage central purchase orders from non-SAP connected systems to the hub system.

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	2XT (Central Purchasing)
Application Component	MM-PUR-HUB-PO (<i>Central Purchasing</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Process Purchase Requisitions Centrally](#)
[Create Purchase Order Centrally](#)
[Schedule Import of Purchasing Documents](#)

10.6.2 Schedule Output for Centrally Managed Purchase Orders

With this app, you can now schedule application jobs to send the outputs for centrally managed purchase orders to the respective suppliers.

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	2XT (Central Purchasing)
Application Component	MM-PUR-HUB-PO (<i>Central Purchasing</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Schedule Output for Centrally Managed Purchase Orders](#)

10.6.3 Enhancements and App Renamed - Manage Purchase Requisitions Centrally

This app has been renamed from [Manage Purchase Requisitions Centrally](#) to [Process Purchase Requisitions Centrally](#). Additionally, you can now do the following:

- Display the contact card details of the creator and supplier of a purchase requisition. Also, you can set and check the status of purchase requisition items. You can restrict the editing of purchase requisitions in the connected system. You can check and block the status for purchase requisitions with block indicators from the hub system for central processing.
- View the details of a purchase order while adding purchase requisition items to an existing purchase order. Click on the purchase order number, this opens the [Manage Purchase Orders Centrally](#) app, where you can see all the details of the purchase order.
- View the approval details, such as the processors involved and status, under the [Approval Details](#) facet for the replicated purchase requisitions. Also, you can default the material group and material number while adding purchase requisition items to an existing central purchase contract or purchase order. Additionally, you can view the [Automation Status](#) for the purchase requisitions. Additionally, you can display the automation errors for purchase requisitions and retrigger the rules.
- Reset automation status during delta or ad-hoc extraction of purchase requisitions. Also, you can create sourcing project from purchase requisitions. Additionally, you can create, view, and edit purchase requisitions in the SAP S/4HANA connected system, using the app [Manage Purchase Requisitions – Professional](#). Furthermore, you can view and edit the purchase orders created from purchase requisitions in the SAP S/4HANA connected system, using the app [Manage Purchase Orders](#).
- Create, view, and edit purchase requisitions in the SAP S/4HANA connected system, using the app [Manage Purchase Requisitions – Professional](#). Also, you can view and edit the purchase orders created from purchase requisitions in the SAP S/4HANA connected system, using the app [Manage Purchase Orders](#).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	2XT (Central Purchasing)
Application Component	MM-PUR-HUB-PR (Central Purchasing)
Available As Of	SAP S/4HANA 2021

Related Information

[Process Purchase Requisitions Centrally](#)

10.6.4 Enhancements in Manage Workflow for Centrally Managed Purchase Requisitions

With this app, you can now do the following:

- Define the deadline by which the workflow step should be completed, beyond which an overdue notification is sent to the approver.
- Set workflow deadline in workdays.
- Define the workflow steps using the workflow administration role. Also, you can define the review steps in addition to the workflow steps.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	2XT (Central Purchasing)
Application Component	MM-PUR-HUB-PR((<i>Central Purchasing</i>))
Available As Of	SAP S/4HANA 2021

Related Information

[Manage Workflows for Centrally Managed Purchase Requisitions](#)

10.6.5 Enhancements in Manage Rules for Automation of Business Processes

With this app, you can now do the following:

- Use custom fields for the selection criteria, and complex actions (grouping enabled).
- Use the new facet *Automation Status* to categorize purchase requisitions as either automated, no influence, automation failed, or not to be automated. This enables you to manually process only the purchase requisitions that are marked as not to be automated. The purchase requisitions that are processed automatically are marked as automated.
- Use the following operators in the selection criteria and simple check of a rule: Less Than, Less Than or Equal To, Greater Than, Greater Than or Equal To.
- Use the business add-in *Determining Complex Actions for Documents in Business Process Automation*: `MMPUR_BUSPROC_AUTMN_ACTN_CMPLX` to create your own complex actions for the purchasing documents.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	2XT (Central Purchasing)
Application Component	MM-PUR-HUB-PR ((Central Purchasing))
Available As Of	SAP S/4HANA 2021

Related Information

[Manage Rules for Automation of Business Processes](#)

10.6.6 Enhancements in Manage Purchase Orders Centrally

With this app, you can now do the following:

- Manage outputs for centrally managed purchase orders. You can send outputs manually, resend outputs that are in [Error](#) status, or move outputs to [Completed](#) status. You can also view the output details for centrally managed purchase orders in PDF format. Each output is displayed with all its parameters.
- Create, view, and edit purchase orders in the SAP S/4HANA connected system, using the app [Manage Purchase Orders](#).
- View service entry sheets for a purchase order document.
- Add attachments to central purchase orders at item level.

Technical Details

Type	Changed
Functional Localization	Not Applicable
Scope Item	2XT (Central Purchasing)
Application Component	MM-PUR-HUB-PR (Central Purchasing)
Valid as Of	SAP S/4HANA 2021

Related Information

[Manage Purchase Orders Centrally](#)

10.6.7 Enhancements in Schedule Import of Purchasing Documents

With this app, you can now import history details for purchase orders using the [Import History for Purchase Orders from Connected Systems](#) job template in the hub system.

Technical Details

Type	Changed
Functional Localization	Not Applicable
Scope Item	2XT (Central Purchasing)
Application Component	MM-PUR-HUB-PR (Central Purchasing)
Valid as Of	SAP S/4HANA 2021

Related Information

[Schedule Import of Purchasing Documents](#)

10.6.8 Enhancements in Manage Workflows for Centrally Managed Purchase Orders

With this app, you can now do the following:

- Define the deadline by which the workflow step should be completed, beyond which an overdue notification is sent to the approver.
- Set workflow deadline in workdays.
- Define the workflow steps using the [Workflow Administration](#) role. Also, you can define the review steps in addition to the workflow steps.

Technical Details

Type	Changed
Functional Localization	Not Applicable
Scope Item	2XT (Central Purchasing)
Application Component	MM-PUR-HUB-PO (Manage Workflows for Centrally Managed Purchase Orders)
Valid as Of	SAP S/4HANA 2021

Related Information

[Manage Workflows for Centrally Managed Purchase Orders](#)

10.7 Central Purchase Contracts

10.7.1 Enhancements in Manage Central Purchase Contracts

With this app, you can now do the following:

- Renew an existing central purchase contract and central purchase contract hierarchy. You can also view the total consumption (in percentage) at the header level of the central purchase contract and central purchase contract hierarchy. Additionally, you can create items for central purchase contracts and central purchase contract hierarchies with the item categories *Material Group (W)*, *Material Unknown (M)*, and *Subcontracting (L)*. Furthermore, you can compare information between two versions of a central purchase contract and central purchase contract hierarchy.
- Maintain payment terms and incoterms at the header, item, and distribution levels of a central purchase contract or central purchase contract hierarchy. You can also maintain shipping instructions at the item and distribution levels. Additionally, you can block or unblock items and item distribution lines in a central purchase contract and central purchase contract hierarchy. You can further provide the reason for blocking these items and distribution lines.
- Maintain the update cycle of a given commodity in a specific central purchase contract based on the negotiation with the assigned supplier. Also, you can apply an update cycle as monthly, quarterly, half-yearly, or yearly to determine the interval in which the commodity price conditions within the central purchase contract are updated.
- Add conditions with a validity period for a central purchase contract and central purchase contract hierarchy. Also, you can define the constituent commodities for a material for them. Additionally, you can define price changes for conditions for a central purchase contract and central purchase contract hierarchy. You can also maintain a pricing scale for a central purchase contract and central purchase contract hierarchy. Furthermore, you can simulate a price for a central purchase contract and central

purchase contract hierarchy at the item level. Also, you can create default conditions for a central purchase contract and central purchase contract hierarchy at the item level.

- Add attachments to a central purchase contract. Furthermore, you can send these attachments to the supplier through the output channels – print, email, or EDI.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	2ME (Central Purchase Contracts)
Application Component	MM-PUR-HUB-CTR (Central Purchase Contracts)
Available As Of	SAP S/4HANA 2021

Additional Details

In addition to the new features mentioned, you can also perform the following with this app:

- Display and manage central purchase contracts from non-SAP connected systems to the hub system.
- Update the field [Target Value](#) at the header level with the sum of target values of all the items in the central purchase contract. You can also unassign legal transactions from a central purchase contract.
- View the content of the central purchase contract in PDF format by using the [Print Preview](#) option. You can also view the [Distribution Trigger Timestamp](#) in the [Distributed Outline Agreements](#) facet. It is the timestamp when the central purchase contract is triggered for distribution to the connected systems. Additionally, you can view the approval details, such as the processors involved and status, under the [Approval Details](#) facet.
- Replicate custom field data at the header, item, and distribution levels of the central purchase contract hierarchy to the respective subordinate central contracts in the hub system.

Related Information

[Manage Central Purchase Contracts](#)

10.7.2 Enhancements in Manage Workflows for Central Purchase Contracts

With this app, you can now:

- Define e-mail notifications by which the initiators of the workflow are notified if the work item is approved or rejected.
- Exclude the creator of the central purchase contract from the workflow recipient list.
- Define the deadline by which the workflow step should be completed, beyond which an overdue e-mail notice is sent to the approver. You can also set workflow deadlines in workdays using the factory calendar.
- Define the roles in the workflow steps using the responsibility management feature.
- Define [Review Steps](#) for the workflow.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	2ME (Central Purchase Contracts)
Application Component	MM-PUR-HUB-CTR (Central Purchase Contracts)
Available As Of	SAP S/4HANA 2021

Additional Details

- **Exclude Creator of the Central Purchase Contract**

When you choose the option *Exclude Central Purchase Contract Creator* in [Exclude Restricted Agents](#) while creating a workflow, the creator of the central purchase contract will not receive central purchase contracts created by them for approval in their inbox.

Note

The option *Exclude Central Purchase Contract Creator* is not relevant for automatic release of central purchase contracts.

After exclusion, if no recipients are determined, the workflow will give an error unless the step is marked as optional.

- **Factory Calendar for Workflow Deadline**

The factory calendar that is used to calculate the workdays can be defined using the business add-in, [Determination of Factory Calendar for Workflow Deadline](#) (MMPUR_PROC_WF_FACTORY_CALENDAR). If there is no custom logic defined, all days of the week are considered as workdays.

- **Review Steps**

You can now define the reviewers or people responsible for monitoring the progress of the workflow. You can also define the corresponding step conditions and deadlines. When a workflow is started, all the reviewers are notified. The reviewers can then track the progress of the workflow.

Related Information

[Manage Workflows for Central Purchase Contracts](#)

10.7.3 New Business Add-Ins for Central Purchase Contracts

With this release, the following new business add-ins (BAdIs) have been created:

- **Formation of Purchase Outline Agreements from Central Purchase Contracts**
- **Retrieval of Output Form Details for Print Preview in Central Purchase Contracts**
- **Change of Purchase OAs Created from Central Purchase Contracts Before Distribution**
- **Mapping of Header Extension Details to Distributed Purchase Outline Agreements**
- **Mapping of Item Extension Details to Distributed Purchase Outline Agreements**

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	2ME (Central Purchase Contracts)
Application Component	MM-PUR-HUB-CTR (Central Purchase Contracts)
Available As Of	SAP S/4HANA 2021

Additional Details

BAdI Name	Description
Formation of Purchase Outline Agreements from Central Purchase Contracts - MM_PUR_S4_CCTR_MAP_TO_OA	This BAdI is used to influence the formation of purchase outline agreements based on the data of the central purchase contact, during the split of the central purchase contact.

BAdI Name	Description
Change of Purchase OAs Created from Central Purchase Contracts Before Distribution (MM_PUR_S4_CCTR_MOD_DISTR_OA)	<p>Modifies custom and standard fields, such as header, item, or item conditions, in the purchase outline agreements to be distributed to a particular connected system after the central purchase contract is approved.</p> <div> <p>i Note</p> <p>This BAdI is the successor of the BAdI (<i>Obsolete</i>) <i>Change of Outline Agreements Created from Central PC Before Distribution</i> (MM_PUR_S4_CCTR_MOD_DISTR_CTR). Therefore, it is recommended to switch to the BAdI <i>Change of Purchase OAs Created from Central Purchase Contracts Before Distribution</i> at the earliest.</p> </div>
Retrieval of Output Form Details for Print Preview in Central Purchase Contracts (MM_PUR_S4_CCTR_PRINT_PREVIEW)	Retrieves template details for the output form for the feature <i>Print Preview</i> in central purchase contracts. Using this BAdI, you can choose custom output forms for the feature <i>Print Preview</i> .
Mapping of Header Extension Details to Distributed Purchase Outline Agreements - MM_PUR_S4_MAP_DISTR_OA_HEADER	This BAdI is used to map the header extension fields from the Enterprise Service Oriented Architecture (ESOA) service interface to the header extension fields of the distributed purchase outline agreements in the connected system.
Mapping of Item Extension Details to Distributed Purchase Outline Agreements - MM_PUR_S4_MAP_DISTR_OA_ITEM	This BAdI is used to map the item extension fields from the Enterprise Service Oriented Architecture (ESOA) service interface to the item extension fields of the distributed purchase outline agreements in the connected system.

You can access the BAdI and its documentation in the [Custom Fields and Logic](#) app.

Related Information

[App Extensibility: Manage Central Purchase Contracts](#)

10.7.4 Schedule Output for Central Purchase Contracts

With this app, you can schedule application jobs to send the outputs of central purchase contracts to the respective suppliers.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	2ME (Central Purchase Contracts)
Application Component	MM-PUR-HUB-CTR ((<i>Central Purchase Contracts</i>))
Available As Of	SAP S/4HANA 2021

Additional Details

The parameters for scheduling this application job are as follows:

- **Output Data**
 - *Application Object Type*: Type of application object for which the report is to be sent to the supplier
 - *Output Channel*: Output channel through which the report is to be sent to the supplier
 - *Output Type*: Business document of a single application object that defines the output parameters for that document
- **Central Purchase Contract Data**
 - *Supplier*: ID of the supplier
 - *Central Company Code*: Company code in the hub system
 - *Central Purch. Organization*: Purchasing organization in the hub system
 - *Central Purchasing Group*: Purchasing group in the hub system
 - *Central Contract Type*: Document type of the central purchase contract
 - *Central Contract Number*: Number of the central purchase contract
 - *Document Date*: Creation date of the central purchase contract

Related Information

[Schedule Output for Central Purchase Contracts](#)

10.7.5 Schedule Update of Price Details for Central Purchase Contracts

With this app, you can schedule jobs to determine and update price trend and price history information of central purchase contract items.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	2ME (Central Purchase Contracts)
Application Component	MM-PUR-HUB-CTR ((Central Purchase Contracts))
Available As Of	SAP S/4HANA 2021

Related Information

[Schedule Update of Price Details for Central Purchase Contracts](#)

10.7.6 Enhancements in Mass Changes to Central Purchase Contracts

With this app, you can now:

- View and edit central purchase contracts hierarchy headers and items from the two new tabs [Central Purchase Contracts Hierarchy Headers](#) and [Central Purchase Contracts Hierarchy Items](#).
- Create new central purchase contracts and central purchase contracts hierarchy, and add new items to existing contracts using Microsoft Excel.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	2ME (Central Purchase Contracts)
Application Component	MM-PUR-HUB-CTR ((Central Purchase Contracts))
Valid as Of	SAP S/4HANA 2021

Related Information

[Mass Changes to Central Purchase Contracts](#)

10.8 Central Purchasing Analytics

10.8.1 Price History for Central Purchase Contract Items

With this app, you can view the chart and tabular representation of the price history of central purchase contract items. The data is displayed according to supplier, company code, central purchasing organization and group, and plant.

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	1JI (Real-Time Reporting and Monitoring for Procurement)
Application Component	MM-FIO-PUR-ANA (<i>Fiori UI for Purchasing Analytics</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Price History for Central Purchase Contract Items](#)

10.8.2 Enhancements in Monitor Purchase Requisition Items Centrally

With this app, you can now:

- View purchase requisition items based on the filter criteria: *Asset*, *Cost Center*, *G/L account*, *Network*, and *WBS Element*.
- View *Account Assignment Objects* for each purchase requisition item.
- View *Account Assignment Details*, for example: *Distribution (%)*, of purchase requisition items with multiple account assignments.

Technical Details

Type	Changed
Functional Localization	Not Applicable
Scope Item	1JI (Real-Time Reporting and Monitoring for Procurement)
Application Component	MM-FIO-PUR-ANA (<i>Fiori UI for Purchasing Analytics</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can view the [Account Assignment Details](#) of purchase requisition items with multiple account assignments. Click on [Multiple](#) in the [Accounting Object](#) column to view the following account assignment details:

- Serial No. Account Assignment
- Distribution (%)
- Cost Center
- G/L Account
- Network
- Asset
- WBS Element
- Quantity requested

Related Information

[Monitor Purchase Requisition Items Centrally](#)

10.8.3 Extensibility of Central Purchasing Analytics Apps

This feature now enables you to extend the following monitoring apps according to your business needs:

- [Monitor Central Purchase Contract Items](#)
- [Monitor Purchase Order Items Centrally](#)
- [Monitor Purchase Requisition Items Centrally](#)

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1JI (Real-Time Reporting and Monitoring for Procurement)
Application Component	MM-FIO-PUR-ANA (<i>Fiori UI for Purchasing Analytics</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

As a key user, you can extend these apps according to your business needs by adding customized fields to the standard set of fields.

With the *Custom Fields* tab in the *Custom Fields and Logic* app, you can create and maintain custom fields that you can use to enhance these apps. You can do this by using the following business contexts for the mentioned apps:

- *Monitor Central Purchase Contract Items*
 - *Procurement: Purchasing Document*
 - *Procurement: Purchasing Document Item*
 - *Procurement: Purchasing Document Distribution*
- *Monitor Purchase Order Items Centrally*
 - *Central Procurment: Purchase Orders*
 - *Central Procurment: Purchase Orders Items*
- *Monitor Purchase Requisition Items Centrally*
 - *Central Procurement: Purchase Requisitions*

Related Information

[Monitor Central Purchase Contract Items](#)

[Monitor Purchase Order Items Centrally](#)

[Monitor Purchase Requisition Items Centrally](#)

10.9 Attachments, Notes and Business Process Flows for Central Procurement with SAP Ariba Sourcing (4QN)

The integration scenario Central Procurement with SAP Ariba Sourcing (4QN) now supports notes and attachments for central requests for quotation (central RFQs) and central supplier quotations:

- The central purchaser can add notes and attachments to central RFQs. Notes and attachments that have been added on the header level and the item level of the central RFQ are transferred to SAP Ariba Sourcing, where they can be viewed in the sourcing request and sourcing project.
- In the sourcing project, sourcing managers can add new notes and attachments and suppliers can add notes and attachments to their bids.
- When awarded quotes are transferred to the SAP S/4HANA hub system, the notes and attachments can be viewed in the central supplier quotations.

Additionally, with this business process flow, you can view the Ariba sourcing document (sourcing request) along with its status.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4QN (Central Procurement with SAP Ariba Sourcing)
Application Component	BNS-INT-ARI (Ariba Integration with SAP S/4HANA)
Available As Of	SAP S4/HANA 2021

Additional Information

For more information on new or changed features, see [What's new in SAP Ariba](#).

1. Enter the feature ID in the [Search](#) field at the top of the [SAP Ariba new features](#) table to find a feature.
2. Click [See More](#) in the [Description](#) of the feature to access detailed documentation.

Feature ID	Feature Title
DMS-15388	Support for attachments and notes in the Central Procurement with SAP Ariba Sourcing (4QN) integration scenario

Related Information

[Central Procurement with Ariba Sourcing \(4QN\)](#)
[Manage Central RFQs](#)

10.10 Guided Sourcing for Central Procurement with SAP Ariba Sourcing (4QN)

With the Central Procurement with SAP Ariba Sourcing (4QN) scenario, you can now integrate SAP S/4HANA for central procurement with guided sourcing in SAP Ariba Sourcing. Guided sourcing provides a streamlined and intuitive user experience for users of SAP Ariba Sourcing to create and run SAP Ariba Sourcing events.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4QN(Central Procurement with SAP Ariba Sourcing)
Application Component	BNS-INT-ARI (Ariba Integration with SAP S/4HANA)
Available As Of	SAP S/4HANA 2021

Additional Details

For more information on new or changed features, see [What's new in SAP Ariba](#).

1. Enter the feature ID in the [Search](#) field at the top of the [SAP Ariba new features](#) table to find a feature.
2. Click [See More](#) in the [Description](#) of the feature to access detailed documentation.

Feature ID	Feature Title
DMS-15214	Support for guided sourcing-based integration in 4BL and 4QN integration scenarios

Related Information

[Central Procurement with Ariba Sourcing \(4QN\)](#)

10.11 Enhancements for Central Sourcing (3ZF)

The Central Sourcing scenario (3ZF) now supports the following new features:

- Notes and attachments for central requests for quotation (central RFQs) and central supplier quotations
The central purchaser can add notes and attachments to central RFQs and central supplier quotations both on the header level and the item level.
- Business process flow
The central purchaser can now see the business process flow in the central RFQs.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	3ZF (Central Sourcing)
Application Component	MM-PUR-HUB-RFQ (Central RFQ/Central Quotations)
Available As Of	SAP S/4HANA 2021

10.12 CDS Views in Central Sourcing

The following CDS views are now available:

- With the following CDS views, you can enable enterprise search for central requests for quotation and central supplier quotations.
 - Enterprise Search for central requests for quotation (ESH_S_CNTRLREQUESTFORQUOTATION)
 - Enterprise Search for central supplier quotations (ESH_N_CENTRALSUPPLIERQUOTATION)
- With these CDS views, you can retrieve data related to central requests for quotation.
 - I_CentralRequestForQuotation
 - I_CentralReqForQuotationItem
 - I_CntrlReqForQuotationBidder
 - I_CntrlReqForQtanScheduleLine
 - I_CentralRFQItemDistribution
- With these CDS views, you can retrieve the data related to central supplier quotations.
 - I_CentralSupplierQuotation
 - I_CntrlSupplierQuotationItem
 - I_CntrlSuplrQtanScheduleLine

- I_CntrlSupplierQtanItemPricing
- I_CntrlSuplrQuotationItemDistr

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	3ZF (Central Sourcing)
Application Component	MM-PUR-HUB-RFQ (Central RFQ/Central Quotations)
Available As Of	SAP S/4HANA 2021

Additional Details

You can display the CDS views and their fields in the [View Browser](#) app.

Related Information

[Central Supplier Quotation](#)
[Central Request for Quotation](#)
[Enterprise Search for Central Requests for Quotation](#)
[Enterprise Search for Central Supplier Quotations](#)

10.13 New Business Add-Ins for Central Sourcing

With the new Business Add-Ins (BAIs) for SAP S/4HANA, you can extend the standard mapping and logic or replace the standard mapping and logic with a custom mapping and logic for the following applications:

- Manage Central RFQs
- Manage Central Supplier Quotations

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4QN(Central Procurement with SAP Ariba Sourcing)
Application Component	MM-PUR-HUB-RFQ (Central RFQ/Central Quotations)
Available As Of	SAP S/4HANA 2021

Additional Details

With the Custom Fields and Logic app, you can create and maintain implementations of custom logic for applications using the following new Business Add-Ins (BADIs):

Apps	BADIs
Manage Central RFQs	<ul style="list-style-type: none">MM_PUR_S4_CRFQ_DEFINE_MAP(Use of a Custom Mapping and Logic for Central RFQs)MM_PUR_S4_CRFQ_ENRICH_MAP(Extension of the Standard Mapping and Logic for Central RFQs)
Manage Central Supplier Quotations	<ul style="list-style-type: none">MM_PUR_S4CQTN_DEFPRO(Use of a Custom Mapping and Logic for Central Supplier Quotations)MM_PUR_S4CQTN_BEFAAPP(Use of a Custom Mapping and Logic Before the Central Supplier Quotation Process)MM_PUR_S4CQTNAFTERAP(Use of a Custom Mapping and Logic After the Central Supplier Quotation Process)

Related Information

[App Extensibility: Manage Central RFQs](#)
[App Extensibility: Manage Central RFQs](#)

10.14 Invoice Management

10.14.1 Manage Supplier Invoices

With this feature, you can now display the contact card for the invoicing party of a supplier invoice and navigate to the [Supplier](#) object page app for detailed information. The contact card for the invoicing party provides a quick overview of all relevant contact data, such as company data and contact details. In the [Purchasing Document References](#) section, the view setting for invoice items was enhanced by the [Material](#) field. In the [G/L Account Items](#) section, the layout was changed to enhance the display with more details.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BNX (Consumable Purchasing), J45 (Procurement of Direct Materials) BH1 (Corrective Maintenance), BMY (Subcontracting), 18J (Requisitioning), 19O (Automated Dynamic Discounts with SAP Ariba Discount Management), 22Z (Procurement of Services), 2Q2 (Data Migration to SAP S/4HANA from Staging), 2NV (Guided Buying Capability with SAP Ariba Buying), 2TX (Direct Procurement with Inbound Delivery), 2R7 (Purchasing Rebate Processing), 2TW (Complementary Procurement Functions), BD3 (Sales Processing using Third-Party with Shipping Notification), BJK (Production Subcontracting - External Processing), BMD (Purchase Contract), BMK (Return to Supplier), BMR (Scheduling Agreements in Procurement), J60 (Accounts Payable), J82 (Automated Purchase-to-Pay with SAP Ariba Commerce Automation), 1XI (Central Requisitioning), 2XU (Procurement of Materials with Variant Configuration)
Application Component	MM-FIO-IV (Fiori UI for Invoice Verification), MM-IV (Invoice Verification)
Available As Of	SAP S/4HANA 2021

Related Information

[Manage Supplier Invoices](#)

10.14.2 Supplier Invoice Items by Account Assignment

In this app, you can now use the value helps for the search filters *Sales Order*, *Account Type*, *Business Area*, *Profit Center*, *Functional Area*, *Tax Code*, *Personnel Number*, *Debit/Credit*, *Order*, *Network*, *Activity*, *Commitment Item*, *Funds Center*, *Fund*, *Grant*, and *Controlling Area*.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BNX (Consumable Purchasing), J45 (Procurement of Direct Materials)
Application Component	MM-FIO-IV (Fiori UI for Invoice Verification), MM-IV (Invoice Verification)
Available As Of	SAP S/4HANA 2021

Related Information

[Supplier Invoice Items by Account Assignment](#)

10.14.3 Supplier Invoices List

With this app, you can now use a new value help for the filter fields *Entered By*, *Currency*, and *Blocked (Logistics)*. In addition, you can now use a default value for the company code in the search.

Technical Details

Type	Changed
------	---------

Functional Localization	Not applicable
Scope Item	BNX (Consumable Purchasing), J45 (Procurement of Direct Materials), BMY (Subcontracting), 19O (Automated Dynamic Discounts with SAP Ariba Discount Management), 22Z (Procurement of Services), 2NY (Scheduling Agreement for Consignment Procurement), 2TX (Direct Procurement with Inbound Delivery), 22Z (Procurement of Services), J60 (Accounts Payable), 22K (External Workforce Procurement via SAP Fieldglass), 2XU (Procurement of Materials with Variant Configuration), 2XX (Propose Resolution for Invoice Payment Block)
Application Component	MM-FIO-IV (Fiori UI for Invoice Verification), MM-IV (Invoice Verification)
Available As Of	SAP S/4HANA 2021

Additional Details

You can enter a default value for the company code as follows: On the launchpad, click your profile icon, choose [Settings](#) [Default Settings](#) [Financial Accounting](#), and select a default value in the [Company Code](#) field. The default value is applied in the searches within the following apps:

- [Supplier Invoices List](#)
- [Upload Supplier Invoices](#)
- [Supplier Invoice Items by Account Assignment](#)

Related Information

[Supplier Invoices List](#)

10.14.4 Upload Supplier Invoices

With this app, you can now use a new value help for the filter fields [Created By](#), [Last Changed By](#), and [Upload Status](#).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BNX (Consumable Purchasing), J45 (Procurement of Direct Materials)
Application Component	MM-FIO-IV (Fiori UI for Invoice Verification), MM-IV (Invoice Verification)
Available As Of	SAP S/4HANA 2021

Related Information

[Upload Supplier Invoices](#)

10.14.5 Create Supplier Invoice - Advanced

The authorization concept for this app has been adjusted with regard to assets.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J45 (Procurement of Direct Materials), 18J (Requisitioning), BKP (Accelerated Customer Returns), 1Z3 (Accelerated Third-Party Returns), 2NX (Scheduling Agreement for Sub-contracting Procurement), BDK (Sales Processing using Third-Party without Shipping Notification), BDN (Sales of Non-Stock Item with Order-Specific Procurement), BEI (Period-End Closing - Plant), J60 (Accounts Payable), J62 (Asset Accounting), 2UQ (Future Delivery - Materials Management), 2UT (Complementary Invoice – Pricing), 2UU (Returnable Packaging to Vendor), 3ZF (Central Sourcing)

Application Component	MM-FIO-IV (Fiori UI for Invoice Verification), MM-IV (Invoice Verification)
Available As Of	SAP S/4HANA 2021

Effects on System Administration

For the front-end role `SAP_BR_AP_ACCOUNTANT_PROCUREMENT` (*Accounts Payable Accountant - Procurement*), the system now checks the authorization objects `A_B_ANLKL` (*Asset Postings: Company Code/Asset Class*) and `A_B_BWART` (*Asset Postings: Asset Class/Transaction Type*) for both the *Create Supplier Invoice - Advanced* app and the *Manage Supplier Invoices* app.

The authorization objects `A_B_ANLKL` and `A_B_BWART` have been added to the authorization defaults (transaction `SU22`) for the app *Create Supplier Invoice - Advanced* (transaction `MIRO`).

Related Information

[Create Supplier Invoice - Advanced](#)

[Tax Fulfillment Date and Financial Transaction Type \[page 886\]](#)

10.14.6 Edit Supplier Invoice Settings

With this app, you can now deactivate the default currency from Finance.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BNX (Consumable Purchasing), J45 (Procurement of Direct Materials)
Application Component	MM-FIO-IV (Fiori UI for Invoice Verification), MM-IV (Invoice Verification)
Available As Of	SAP S/4HANA 2021

Additional Details

If you select the new indicator *Deactivate Default Currency from Finance*, the currency is not defaulted for the invoice. If the indicator is not selected, the default value depends on the financial configuration, the company code, or the last value entered, depending on the procedure.

Related Information

[Edit Supplier Invoice Settings](#)

10.14.7 Manage Workflows for Supplier Invoices

In the app *Manage Workflows for Supplier Invoices*, you can now choose recipients for the scenario *Workflow for Parked Invoice as Complete* and set deadlines in the *Exception Handling* section under *Rejected* for the *Rework Invoice* action. In addition, you can now use the following conditions for the workflow scenarios *Workflow for Blocked Invoice* and *Workflow for Parked Invoice as Complete*:

- *Invoice contains at least one non-purchase order item*
- *Goods receipt not expected for at least one item*

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	BNX (Consumable Purchasing), J45 (Procurement of Direct Materials), BMY (Subcontracting), 18J (Requisitioning), 1EZ (Credit Memo Processing), 1GA (Accounting and Financial Close - Group Ledger IFRS), 1NF (Engineering Change Management with Change Records), 22Z (Procurement of Services), 2NX (Scheduling Agreement for Subcontracting Procurement), 2NY (Scheduling Agreement for Consignment Procurement), 2R7 (Purchasing Rebate Processing), BD3 (Sales Processing using Third-Party with Shipping Notification), BMD (Purchase Contract), BMR (Scheduling Agreements in Procurement), J82 (Automated Purchase-to-Pay with SAP Ariba Commerce Automation), 1B6 (Sales Rebate Processing), 1XF (Request for Price), 1XI (Central Requisitioning), 2LG (Supplier Consignment), 2UT (Complementary Invoice – Pricing), 2UU (Returnable Packaging to Vendor), 2VB (Purchase Order Accruals), 2XT (Central Purchasing), 2XU (Procurement of Materials with Variant Configuration)
Application Component	MM-FIO-IV (Fiori UI for Invoice Verification), MM-IV (Invoice Verification)
Available As Of	SAP S/4HANA 2021

Additional Details

Recipients for Rework Action

On choosing the action *Rework Invoice*, you can choose the recipients to whom the supplier invoice to be sent. By default, the recipients are determined automatically. Alternatively, you can assign a specific user as the approver, or a role (for example, *Creator of Purchase Order*, *Manager of Last Approver*, *Persons responsible for all used cost centers*).

i Note

You can choose between all roles that are also available in the *Recipient* section of the workflow step definition.

i Note

Not all displayed roles are suitable as recipients for the rework action. The recipients must be familiar with the corresponding supplier invoice and must be able to adjust it as required.

You can also choose the deadline by which the recipients should resubmit the supplier invoice. If the deadline is exceeded, the step is marked as overdue.

New Conditions

For the workflow scenarios *Workflow for Blocked Invoice* and *Workflow for Parked Invoice as Complete* the following conditions are available:

- [Invoice contains at least one non-purchase order item](#)
The workflow is triggered if the invoice contains at least one non-purchase order item.
- [Goods receipt not expected for at least one item](#)
If the condition is set to [Yes](#), the workflow is triggered if there is at least one item in the invoice for which no goods receipt is expected. This applies in the following cases:
 - The invoice contains purchase order items for which no goods receipt is expected.
(In the purchase order, the [Goods Receipt](#) indicator specifies whether the item involves a goods receipt.)
 - The invoice contains only items for G/L account posting.
 If the condition is set to [No](#), the workflow is triggered if there are only items in the invoice for which goods receipts are expected. This applies to purchase order items for which the [Goods Receipt indicator](#) is set.

Related Information

[Manage Workflows for Supplier Invoices](#)

10.14.8 Create Invoicing Plan Settlement

With this app, you can use an invoicing plan to create invoices over a series of specific invoicing dates independently of individual procurement transactions and the actual receipt of goods or services. You can inform the supplier when the invoice documents are created. In addition, you can schedule and monitor a recurring, supplier invoice background job for the job template [Create Invoicing Plan Settlement](#) in the app [Schedule Supplier Invoice Jobs - Advanced](#)

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BNX (Consumable Purchasing), J45 (Procurement of Direct Materials), 22Z (Procurement of Services)
Application Component	MM-FIO-IV (Fiori UI for Invoice Verification), MM-IV (Invoice Verification)
Available As Of	SAP S/4HANA 2021

10.14.9 CDS Views for Invoice Processing

For invoice processing, new CDS views are available regarding supplier status and origin, supplier invoice details for the workflow deadline emails, and change documents for supplier invoices.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BNX (Consumable Purchasing), J45 (Procurement of Direct Materials)
Application Component	MM-FIO-IV (Fiori UI for Invoice Verification), MM-IV (Invoice Verification)
Available As Of	SAP S/4HANA 2021

Additional Details

The following CDS views are now available:

- [*Supplier Invoice Status and Origin*](#) (I_SuplrInvStsAndOrignAPI01):
This view dynamically determines the supplier invoice status from the invoice status and the invoice origin.
- [*Supplier Invoice Status and Origin - Text*](#) (I_SuplrInvStsOrignTxtAPI01):
This view offers the text for the supplier invoice status from the invoice status and the invoice origin.
- [*Supplier Invoice Details for Workflow Deadline Email*](#) (I_SuplrInvWrkflwEmlDeadLine):
This CDS view is used as a data source to create email templates for missed deadlines in your supplier invoice workflow scenarios. It contains data related to the supplier invoices header data and the workflow status.
- [*Change Documents for Supplier Invoices*](#) (I_SuplrInvChgDocAPI01):
This CDS view is used to read the administration data of change documents if a business object is changed. The change document contains, for example, the user name of the person who made the change.
- [*Change Document Items for Supplier Invoices*](#) (I_SuplrInvChgDocItmAPI01):
This CDS view is used to record the changes in a change document item. A change document can contain several change document items, so that several changes within a supplier invoice can be recorded at the same time.

Related Information

[Supplier Invoice Status and Origin](#)

[Supplier Invoice Status and Origin - Text](#)
[Supplier Invoice Details for Workflow Deadline Email](#)
[Change Documents for Supplier Invoices](#)
[Change Document Items for Supplier Invoices](#)

10.14.10 Treatment of Exchange Rate Differences for Incoming Invoices

In this configuration activity, you configure how exchange rate differences are handled when incoming invoices are in foreign currencies. You can select methods that apply either the exchange rate valid at the time of the goods receipt, or at the time of the invoice receipt. Additional settings enable you to configure the handling of exchange rate differences according to your requirements.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BNX (Consumable Purchasing), J45 (Procurement of Direct Materials)
Application Component	CO-PC-ML (Material Subledger), MM-FIO-IV (Fiori UI for Invoice Verification), MM-IV (Invoice Verification)
Available As Of	SAP S/4HANA 2021

Additional Details

You can select ERD methods on [Company Code](#) level.

ERD Methods

ERD Method	Effect
Rate at Goods Receipt	Exchange rate differences for standard price materials, moving average price materials, and account-assigned orders (including planned delivery costs) are not allocated to inventory/consumption

ERD Method	Effect
Rate at Invoice Receipt	<p>Exchange rate differences for moving average price materials and account-assigned orders (including planned delivery costs) are allocated to inventory/consumption.</p> <p>Exchange rate differences for standard price materials (including planned delivery costs) can be allocated to inventory/consumption at period-end closing in actual costing.</p> <p>Exchange rate differences for stock shortages with moving average price materials are not allocated to inventory.</p>

Effects on Existing Data

For more information, see [3053636](#).

Effects on Customizing

In your configuration environment, use the search function to open the following activity and check your data:
[Configure How Exchange Rate Differences Are Treated](#).

10.14.11 Tax Fulfillment Date and Financial Transaction Type

In *Invoice Processing*, the following fields are now available:

- **Tax Fulfillment Date:** The date on which the taxes on sales/purchases are due. The tax fulfillment date supplements the tax reporting date that specifies the date on which the tax must be reported to the tax authority.
- **Financial Transaction Type:** The transaction type classifies the business transaction (for example, acquisition, retirement, or transfer), and determines how the transaction is processed in the SAP system.

Technical Details

Type	Changed
Functional Localization	Not applicable


Scope Item	BNX (Consumable Purchasing), J45 (Procurement of Direct Materials)
Application Component	MM-FIO-IV (Fiori UI for Invoice Verification), MM-IV (Invoice Verification)
Available As Of	SAP S/4HANA 2021

Additional Details

The new fields are available in the following apps and APIs:

- [Manage Supplier Invoices](#):
With this app, you can now enter the tax fulfillment date and financial transaction type. Depending on the settings of the company code, the tax fulfillment date can be changed.
- [Create Supplier Invoice - Advanced](#) and others:
With this app, you can now enter the tax fulfillment date. This applies also to the apps [Park Supplier Invoices](#) and [Display Supplier Invoice - Advanced](#). Depending on the settings of the company code, the tax fulfillment date can be changed within the [Create Supplier Invoice - Advanced](#) and the [Park Supplier Invoices](#). In addition, it is possible to enter the [Financial Transaction Type](#) when a direct posting to a G/L account is made in the [Create Supplier Invoice - Advanced](#) app.
- OData API: [Supplier Invoice - Create, Read, Release, Reverse](#):
This OData service (`API_SUPPLIERINVOICE_PROCESS_SRV`) enables you now to transfer the tax fulfillment date and financial transaction type. Depending on the settings of the company code, the tax fulfillment date can be filled with this OData service. Depending on the G/L account settings, the financial transaction type can be filled.
 - The `TaxFulfillmentDate` parameter is available in the [Header Data](#) entity.
 - The `FinancialTransactionType` parameter is available in the [Item for G/L Account Posting](#) entity.
- SOAP API: [Supplier Invoice - Create \(A2X, Inbound, Synchronous\)](#):
This SOAP service (`ECC_SUPLRINVCERPCTRC`) also known as `SupplierInvoiceERPCreateRequestConfirmation_In` enables you now to transfer the tax fulfillment date, the tax reporting date, the assignment reference, and the financial transaction type. Depending on the settings of the company code, this service can fill the tax fulfillment date. Depending on the G/L account settings, the service can fill the financial transaction type.
 - The `AssignmentReference`, `TaxReportingDate`, and `TaxFulfillmentDate` parameters are available in the service header.
 - The `AssignmentReference` and `FinancialTransactionType` parameters are available in the item data under the `AccountingCodingBlockDistribution` node.
- SOAP API: [Supplier Invoice - Create \(A2A, Inbound, Asynchronous\)](#):
This SOAP service (`SupplierInvoices4Request_In`) enables you now to transfer the tax fulfillment date and the financial transaction type. Depending on the settings of the company code, the tax fulfillment date can be filled with this service. Depending on the G/L account settings, the financial transaction type can be filled.
 - The `TaxFulfillmentDate` parameter is available under the `TaxData` node.
 - The `FinancialTransactionType` parameter is available under the [SupplierInvoiceItemGLAcct](#) > [SupplierInvoiceItemGLPostingAcctAssgmt](#) > node.

i Note

The APIs are available on the SAP API Business Hub (<https://api.sap.com/>.

Effects on Customizing

To make the *Tax Fulfillment Date* field available, the *Tax Reporting Date Active in Documents* indicator must be set for the relevant company code as follows. In your configuration environment, use the search function to open the following activity: *Enter Global Parameters* (transaction OBY6).

10.14.12 Monitor Purchase Order Down Payments

In the *Purchase Order Items* table, the following columns have been renamed:

- From *Released Down Payment Amount* to *Posted Down Payment Amount*
- From *Requested Amount* to *Requested Down Payment Amount*

In the *Status Description* column, the following statuses have been renamed:

- From *Partially Released* to *Partially Posted*
- From *Released* to *Completely Posted*

Additionally, a new status *Not Posted* has been added.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J45 (Procurement of Direct Materials)
Application Component	MM-PUR-PO (<i>Purchase Orders</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The new and modified statuses are described as follows:

- *Partially Posted*: The down payment or down payment request amount for a purchase order item has been partially posted.

- **Completely Posted:** The down payment or down payment request amount for a purchase order item has been completely posted.
- **Not Posted:** The down payment or down payment request amount for a purchase order item has not been posted at all.

Related Information

[Monitor Purchase Order Down Payments](#)

10.15 Procurement Analytics

10.15.1 Deprecation of Analytics Apps

The following table lists the apps that are deprecated and will be removed from the SAP Fiori launchpad with SAP S/4HANA 2022. You can also find the names and IDs of their respective successor apps.

Predecessor App (Deprecated)	Fiori ID of Predecessor App	Successor App	Fiori ID of Successor App
Supplier Evaluation by User Defined Criteria (Deprecated)	F3842	Supplier Evaluation by User Defined Criteria	F3842A
Supplier Evaluation by Questionnaire (Deprecated)	F2234	Supplier Evaluation by Questionnaire	F2234A
Supplier Evaluation by Price - Deprecated	F1663	Supplier Evaluation by Price	F1663A
Supplier Evaluation by Time - Deprecated	F1664	Supplier Evaluation by Time	F1664A
Supplier Evaluation by Quality (Inspection Lot) - Deprecated	F2309	Supplier Evaluation by Quality (Inspection Lot)	F2309A
Supplier Evaluation by Quantity - Deprecated	F1661	Supplier Evaluation by Quantity	F1661A
Operational Supplier Evaluation - Deprecated	F1662	Operational Supplier Evaluation	F1662A
Supplier Evaluation by Quality - Deprecated	F3295	Supplier Evaluation by Quality	F3295A

Technical Details

Type	Deprecated
Functional Localization	Not Applicable
Scope Item	1JI (Real-Time Reporting and Monitoring for Procurement)
Application Component	MM-FIO-PUR-ANA (<i>Fiori UI for Purchasing Analytics</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Supplier Evaluation by User Defined Criteria](#)
[Supplier Evaluation by Questionnaire](#)
[Supplier Evaluation by Price](#)
[Supplier Evaluation by Time](#)
[Supplier Evaluation by Quality \(Inspection Lot\)](#)
[Supplier Evaluation by Quantity](#)
[Operational Supplier Evaluation](#)
[Supplier Evaluation by Quality Notifications](#)

10.15.2 New CDS Views

The following CDS views now enable you to view purchase order and purchase requisition changes:

- Consumption View for PO Item Document Changes (C_PURORDERITEMDOCUMENTCHANGES)
- Consumption View for PR Item Document Changes (C_PURREQNIITEMDOCUMENTCHANGES)

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	1JI (Real-Time Reporting and Monitoring for Procurement)
Application Component	MM-FIO-PUR-ANA (<i>Fiori UI for Purchasing Analytics</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

This CDS view provides the data to answer the following business questions, after purchase document changes:

- What are the previous units and new units ?
- What is the previous currency and new currency ?
- What is the previous field value and new field value ?
- What is the changed text ?

Related Information

[Consumption View for PO Item Document Changes](#)
[Consumption View for PR Item Document Changes](#)

10.15.3 Data Extraction based on CDS Views

With this feature, you can now extract the Scheduling Agreement header, Scheduling Agreement items and Scheduling Agreement Schedule lines, purchase info records, purchase requisition items, and Source List via ABAP CDS based extraction. You can extract the mentioned business documents data from the SAP S/4HANA systems.

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	1JI (Real-Time Reporting and Monitoring for Procurement)
Application Component	MM-FIO-PUR-ANA (<i>Fiori UI for Purchasing Analytics</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Data Extraction for Analytics](#)

10.15.4 Default Filters

You can now set default values for the filters [Purchasing Organization](#), [Material Group](#), [Plant](#), and [Purchasing Group](#). This feature applies to the following apps:

- Supplier Evaluation by Time
- Operational Supplier Evaluation
- Overall Supplier Evaluation
- Supplier Evaluation by Quantity
- Supplier Evaluation by Price
- Supplier Evaluation by Quality Notifications
- Supplier Evaluation by Quality (Inspection Lot)
- Supplier Evaluation by User Defined Criteria
- Parts Per Million
- Purchase Order Output Automation Rate

Technical Details

Type	Changed
Functional Localization	Not Applicable
Scope Item	1JI (Real-Time Reporting and Monitoring for Procurement)
Application Component	MM-FIO-PUR-ANA (Fiori UI for Purchasing Analytics)
Valid as Of	SAP S/4HANA 2021

Additional Details

To do this, go to ► [User Actions Menu](#) ► [Settings](#) ► [Default Values](#) ►. For more information on working with default values, see [Maintaining Your Default User Values](#).

Related Information

[Procurement Analytics](#)

10.15.5 Parts Per Million Data in Supplier Evaluation Apps

With the following supplier evaluation apps, you can now view Parts Per Million (PPM) data that contributes to the evaluation of suppliers:

- [Manage User Defined Criteria for Supplier Evaluation](#)
- [Overall Supplier Evaluation](#)
- [Supplier Evaluation by User Defined Criteria](#)

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1JI (Real-Time Reporting and Monitoring for Procurement)
Application Component	MM-FIO-PUR-ANA (Fiori UI for Purchasing Analytics)
Available As Of	SAP S/4HANA 2021

Additional Details

The PPM data that is persisted with the application job [Schedule Persistency of Parts Per Million Data](#) can be viewed in the [Manage User Defined Criteria for Supplier Evaluation](#) app as one of the user-defined criteria.

Note

Unlike other user-defined criteria, you will not be able to create or change the PPM data, as it can only be created from the application job.

The PPM data can be further analyzed in the apps [Supplier Evaluation by User Defined Criteria](#) and [Overall Supplier Evaluation](#).

Related Information

[Manage User Defined Criteria for Supplier Evaluation](#)
[Supplier Evaluation by User Defined Criteria](#)
[Overall Supplier Evaluation](#)
[Schedule Persistency of Parts Per Million Data](#)

10.15.6 Enhancements in Supplier Evaluation by Quantity

With this app, you can now configure the selection of either delivered, undelivered, or all purchase order items for the calculation of [Quantity Variance](#).

Technical Details

Type	Changed
Functional Localization	Not Applicable
Scope Item	1JI (Real-Time Reporting and Monitoring for Procurement)
Application Component	MM-FIO-PUR-ANA (Fiori UI for Purchasing Analytics)
Valid as Of	SAP S/4HANA 2021

Related Information

[Supplier Evaluation by Quantity](#)

10.15.7 Enhancements in Schedule Persistency of Supplier Evaluation Scores

With this app, you can now select a [Supplier](#) while scheduling an application job. The new job appears in the [Application Jobs](#) list.

Technical Details

Type	Changed
Functional Localization	Not Applicable
Scope Item	1JI (Real-Time Reporting and Monitoring for Procurement)
Application Component	MM-FIO-PUR-ANA (Fiori UI for Purchasing Analytics)
Valid as Of	SAP S/4HANA 2021

Related Information

[Schedule Persistency of Supplier Evaluation Scores](#)

10.15.8 Enhancements in Purchasing Spend Dashboard

With this app, you can now do the following:

- Provision the Purchasing Spend dashboard built on SAC in the SAP S/4HANA Fiori launchpad. The existing dashboard is enhanced to display purchase order compliance with the payment terms maintained in the supplier master data.
- Filter the analyzed data based on the region. The data relevant to only the selected region is displayed on all the graphs, charts, and tables for each tab.

Technical Details

Type	Changed
Functional Localization	Not Applicable
Scope Item	1JI (Real-Time Reporting and Monitoring for Procurement)
Application Component	MM-FIO-PUR-ANA (<i>Fiori UI for Purchasing Analytics</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Purchasing Spend Dashboard](#)

10.15.9 Enhancements in Supplier Evaluation Weighting and Scoring

With this app, you can now provide numerical values up to 10 digits for the scoring criteria. For example, the *Count* for the scoring of the *Parts Per Million* criterion can be any value between 0 and 9999999999.

Technical Details

Type	Changed
Functional Localization	Not Applicable
Scope Item	1JI (Real-Time Reporting and Monitoring for Procurement)
Application Component	MM-FIO-PUR-ANA (<i>Fiori UI for Purchasing Analytics</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Supplier Evaluation Weighting and Scoring](#)

10.15.10 Enhancements in Monitor Purchase Scheduling Agreement Items

With this app, you can now:

- View scheduling agreement items based on the filter criterion: *Next Delivery Date*. This filter can have a value of either a date or a date range with from and to dates.
- View scheduling agreement items with the following additional details:
 - Next delivery date
 - Next Delivery
 - Next Delivery Quantity
 - Overdue Delivery Quantity
 - Due Delivery Quantity
 - Delivered Quantity

Technical Details

Type	Changed
Functional Localization	Not Applicable
Scope Item	1JI (Real-Time Reporting and Monitoring for Procurement)
Application Component	MM-FIO-PUR-ANA (<i>Fiori UI for Purchasing Analytics</i>)

Additional Details

You can view the [Account Assignment Details](#) of purchase requisition items with multiple account assignments. Click on [Multiple](#) in the [Accounting Object](#) column to view the following account assignment details:

- Serial No. Account Assignment
- Distribution (%)
- Cost Center
- G/L Account
- Network
- Asset
- WBS Element
- Quantity requested

Related Information

[Monitor Purchase Scheduling Agreement Items](#)

10.15.11 Enhancements in Quantity Contract Consumption

With this app, you can now view the consumption percentage (based on the release order) and target amount (based on the release order) of quantity type contracts from the previous year to date.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1JI (Real-Time Reporting and Monitoring for Procurement)
Application Component	MM-FIO-PUR-ANA (Fiori UI for Purchasing Analytics)
Available As Of	SAP S/4HANA 2021

Related Information

[Quantity Contract Consumption](#)

10.15.12 Enhancements in Schedule Migration of Purchasing Data for Analytics

With this app, you can now schedule an application job using the parameter [Remove Data \(before upgrade\)](#). This parameter executes the migration after removing previous migration data of existing customers.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1JI (Real-Time Reporting and Monitoring for Procurement)
Application Component	MM-FIO-PUR-ANA (Fiori UI for Purchasing Analytics)
Available As Of	SAP S/4HANA 2021

Related Information

[Schedule Migration of Purchasing Data for Analytics](#)

10.15.13 Enhancements in Supplier Evaluation Score Output

With this app, you can now:

- Send output messages (via email or print) containing the supplier evaluation scores to the respective suppliers.
- Delete output messages from the [Output Messages](#) tab.
- Schedule a score creation job for multiple suppliers.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1JI (Real-Time Reporting and Monitoring for Procurement)
Application Component	MM-FIO-PUR-ANA (<i>Fiori UI for Purchasing Analytics</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

You can implement the new Business Add-In (BAI) [Update of Supplier Evaluation Output Details - MM_PUR_ANA_SE_OM_UPDATE](#) in the [Custom Fields and Logic](#) app to retrieve the sender details for the supplier evaluation scores output. You can extend this app by using the business context [Procurement : Supplier Evaluation Scores Output](#).

Related Information

[Supplier Evaluation Score Output](#)

10.15.14 Enhancements in Schedule Persistency of Parts Per Million Data

With this app, you can schedule an application job that persists the Parts Per Million (PPM) data as a user-defined criterion in the KPIs [Supplier Evaluation by User Defined Criteria](#) and [Overall Supplier Evaluation](#). The PPM score can also be viewed in the app [Manage User Defined Criteria for Supplier Evaluation](#).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1JI (Real-Time Reporting and Monitoring for Procurement)

Additional Details

Parameters

- **Supplier:** The goods receipts (that are based on return deliveries or quality notifications) with a supplier specified in this filter are considered. If this field is not filled, all relevant goods receipts are considered, irrespective of the supplier.
- **Evaluation Start Date:** The goods receipts (that are based on return deliveries or quality notifications) for which the posting date is greater than or equal to the start date are considered.
- **Evaluation End Date:** The goods receipts (that are based on return deliveries or quality notifications) for which the posting date is lesser than or equal to the end date are considered.

Parallel Processing Parameters

- **Package Size:** Define the number of records to be processed in a single task.
- **Number of Tasks:** Define the number of tasks in which the whole job should be divided.
- **Server Group:** Enter the server group name.

Related Information

[Schedule Persistency of Parts Per Million Data](#)

10.15.15 Enhancements in Monitor Purchasing Analytics Operations

With this app, as a configuration user you can now view the following cards:

- [Supplier Evaluation Score History](#): Allows you to monitor the scheduled jobs that have failed during the persistence of the supplier evaluation scores.
- [Extraction of Purchase Order for Central Procurement Analytics](#): Allows you to monitor the failed scheduled extraction jobs of central purchasing data from the hub system to an optimized analytical table.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1JI (Real-Time Reporting and Monitoring for Procurement)
Application Component	MM-FIO-PUR-ANA (<i>Fiori UI for Purchasing Analytics</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Monitor Purchasing Analytics Operations](#)
[Supplier Evaluation Score History](#)
[Schedule Extraction of Central Purchasing Data for Analytics](#)

10.15.16 Enhancements in Supplier Evaluation Score History

With this app, you can now view the aggregated scores in a new tab, which include the following scores for specific suppliers and material groups.

- Overall Score
- Operational Score
- Time Variance Score
- Price Variance Score
- Quantity Variance Score
- Inspection Lot Score
- Quality Notification Score
- Questionnaire Score

i Note

The aggregated scores are the basis for the output of the supplier evaluation score based on historical values.

Technical Details

Type	Changed
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Functional Localization	Not applicable
Scope Item	1JI (Real-Time Reporting and Monitoring for Procurement)
Application Component	MM-FIO-PUR-ANA (<i>Fiori UI for Purchasing Analytics</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Supplier Evaluation Score History](#)

10.16 Deprecation of SAP Design Studio Apps in Sourcing and Procurement

All SAP Design Studio apps in Sourcing and Procurement are deprecated in SAP S/4HANA 2021.


We recommend that you switch to the Web Dynpro apps, which are the successor apps and already the default tiles on the SAP Fiori launchpad.

Technical Details

Type	Deprecated
Functional Localization	Not Applicable
Scope Item	1JI (Real-Time Reporting and Monitoring for Procurement)
Application Component	MM-FIO-PUR (<i>Purchasing</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

With SAP S/4HANA 2021, the Web Dynpro version of the tiles become the default tiles on the SAP Fiori launchpad. The Design Studio version of the tiles are moved to the app finder.

For a complete list of all deprecated SAP Design Studio apps in SAP S/4HANA 2021, see [3081996](#) .

Effects on Existing Data

Due to different technologies, you need to recreate variants in SAP Web Dynpro apps that you might have created in SAP Design Studio Apps. For more information, see [View Browser](#).

Related Information

[Deprecation of SAP Design Studio Apps \[page 1056\]](#)

10.17 Country/Region Specifics

For country/region-specific changes, please see [Country/Region Specifics \[page 1117\]](#).

11 Supply Chain

11.1 Logistics Cross Topics

11.1.1 Batch Management

11.1.1.1 Changes to Batch Numbers

The use of the space character in new batch numbers has been restricted, only single consecutive spaces are allowed.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BLF (Batch Management)
Application Component	LO-BM (Batch Management)
Available As Of	SAP S/4HANA 2021

Additional Details

- It is no longer allowed to use leading spaces, trailing spaces, or multiple consecutive spaces between other characters.
- This only applies to new batches. Existing batches keep their numbers even if they do not comply with this restriction.
- The batch master apps [Manage Batches](#) and [Create Batch](#) autocorrect manually entered batch numbers. Other apps that include batch creation (for example, [Post Goods Movement](#)) do not do this; they display an error instead.
- Custom logic for batch number assignment must not provide batch numbers that violate this restriction. Otherwise, batch creation fails with an error.

i Note

This change may impact your automated tests. Please check and adapt them if necessary.

Related Information

[Manage Batches](#)
[Create Batch](#)

11.1.1.2 Apps for Batch Derivation

With this feature you can transfer batch master data and classification data of the component batches of produced batches.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BLF (Batch Management)
Application Component	LO-BM (Batch Management)
Available As Of	SAP S/4HANA 2021

Additional Details

Batch derivation is based on the batch where-used list, you can define derivation strategies to determine which batches are included for transfer.

The following apps are now available:

- [Manage Derivation Strategies - Sender](#)
- [Manage Derivation Strategies - Receiver](#)
- [Execute Manual Derivation](#)
- [Monitor Derivation](#)

Related Information

[Batch Derivation](#)

11.1.1.3 BAdI for Quantity Proposal Procedures in Batch Determination

The Business Add-In (BAdI) [Procedures for Quantity Proposal](#) in Batch Management allows you to change the way the quantities are distributed in the batch determination quantity proposal. It supplements the existing extensibility by form routines.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BLF (Batch Management)
Application Component	LO-BM-BD (Batch Management)
Valid as Of	SAP S/4HANA 2021

Additional Details

In the standard setting the quantity proposal consists of choosing the first elements in the available batch in accordance with the search strategy. You can use the [Procedures for Quantity Proposal](#) BAdI to change the way the quantities are distributed in the quantity proposal. You can create and maintain implementations of custom logic with the [Custom Logic](#) app.

Related Information

[Extensibility for Quantity Proposal in Batch Determination](#)

11.1.2 Handling Unit Management

11.1.2.1 Enablement of Packing in Embedded EWM Based on Packing Instructions

With this feature, you can create packages (handling units) in Extended Warehouse Management (EWM) embedded in SAP S/4HANA based on SAP S/4HANA Logistics packing instructions. As a generic packaging layer, unified package building (UPB) was introduced to support alternative packing approaches in embedded

EWM. These packaging approaches are called unified package building engines and process different sets of packaging master data and Customizing settings. From an SAP S/4HANA Logistics perspective, certain master data and Customizing settings regarding packing instructions and packing instruction determination records have to be defined to enable packing in embedded EWM based on packing instructions.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4MM (Handling Unit Management)
Application Component	LO-HU-AP (<i>Automatic packing</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

For more information about the general scope and the setup of unified package building in embedded EWM, see [Enhancements to Packing Functions Using Unified Package Building \[page 939\]](#).

Related Information

[Preparing Packing Instructions for Packing in Embedded EWM](#)

11.1.2.2 Packing Instruction Events

With this feature you can enable the *Packing Instruction* business object to trigger the following business events:

- Created
- Changed

User of external services or systems can subscribe for the events and therefore get notifications whenever the events are raised.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4MM (Handling Unit Management)
Application Component	LO-HU (Handling Unit Management)
Valid as Of	SAP S/4HANA 2021

Additional Details

The events are raised as follows:

- **Created**
This event is raised when a packing instruction is created.
- **Changed**
This event is raised when an existing packing instruction is changed. This also includes the setting and removal of the deletion indicator for a packing instruction.

Related Information

[Packing Instruction Events](#)
[Creating Packing Instructions](#)

11.1.3 Serial Number Management

11.1.3.1 CDS Views for Serial Number Management

CDS (Core Data Services) views for Serial Number Management have been released as follows:

- [Serial Number Material Document 2](#) (I_SerialNumberMaterialDoc_2)
- [Serial Number Physical Inventory Document](#) (I_SerialNumberPhysInventoryDoc)
- [Serial Number Delivery Document](#) (I_SerialNumberDeliveryDocument)

CDS view [Serial Number Material Document](#) (I_SerialNumberMaterialDocument) is now deprecated and replaced by [Serial Number Material Document 2](#) (I_SerialNumberMaterialDoc_2)

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BLL (Serial Number Management)
Application Component	LO-MD-SN (Serial Number)
Available As Of	SAP S/4HANA 2021

Additional Details

CDS view [Serial Number Material Document 2](#) (I_SerialNumberMaterialDoc_2) provides information about which material serial numbers are used where in which material documents.

CDS view [Serial Number Physical Inventory Document](#) (I_SerialNumberPhysInventoryDoc) provides information about which material serial numbers are used where in which physical inventory documents.

CDS view [Serial Number Delivery Document](#) (I_SerialNumberDeliveryDocument) provides information about which material serial numbers are used where in which delivery documents.

Related Information

[Serial Number Physical Inventory Document](#)
[Serial Number Material Document 2](#)
[Serial Number Delivery Document](#)
[Serial Number Material Document \(Deprecated\)](#)

11.1.3.2 Extensibility for Custom Serial Number Range Intervals

Variant configuration information is provided in the serial number assignment BAdI.

Technical Details

Type	Changed
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Functional Localization	Not applicable
Scope Item	BLL Serial Number Management()
Application Component	LO-MD-SN (Serial Number Management)
Valid as Of	SAP S/4HANA 2021

Additional Details

The Business Add-In (BAI) [Internal Serial Number Assignment using Custom Business Objects](#) provides access to custom business objects for implementing a custom counter for sequential numbering within your serial number patterns.

If a variant configuration is used, the characteristic internal IDs and the corresponding characteristic values are passed to the BAI.

Related Information

[Extensibility for Serial Number Creation](#)

11.2 Inventory

11.2.1 Goods Movement

11.2.1.1 Post Goods Receipt for Purchasing Document

In the [Post Goods Receipt for Purchasing Document](#) app, the following features are now available:

- The app supports serial numbers in subcontracting. You can assign, change, or remove serial numbers for materials and components.
- In the app, you can now add serial numbers - manually or automatically - to materials in the document. The app layout has also been optimized to improve performance.
- This app supports the following account assignment category M (*Individual customer requirements without KD-CO*).
- The app now supports materials with split valuation. It is possible to either select a valuation type or show the assigned valuation type for the split valuated material.
- You can use the app for different process variants that can occur at the subcontracting component level such as shelf life expiration date and reason code.
- You can use the app for an integration of an automatically synchronous good receipt posting of MM-IM and EWM-processes in the background.

When all required EWM data is available, the system automatically process the necessary EWM data in the MM-IM goods receipt posting process.

With this app, you can post a goods receipt with reference to the purchase order with which you ordered the goods. For example, if a material is delivered for a purchase order, it is important for all the departments involved that the goods receipt entry in the system references this purchase order.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J45 (Procurement of Direct Materials) BMY (Subcontracting)
Application Component	MM-FIO-IM-SGM (<i>Inventory</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Post Goods Receipt for Purchasing Document](#)

11.2.1.2 Post Goods Receipt for Production Order

In the [Post Goods Receipt for Production Order](#) app, the following features are available:

- The app now supports materials with split valuation. It is now possible to either select a valuation type or show the assigned valuation type for the split valuated material.
- In the app, you can now assign, change, or remove serial numbers.
- In the app, you can now add serial numbers - manually or automatically - to materials in the order. The app layout has also been optimized to improve performance.
- You can use the app for an integration of an automatically synchronous good receipt posting of MM-IM and EWM-processes in the background.
When all required EWM data is available, the system automatically process the necessary EWM data in the MM-IM goods receipt posting process.

With this app, you can post a goods receipt with reference to a production order. If a material is delivered for a production order, it is important for all the departments involved that the goods receipt entry in the system references this production order.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BJE (Make-to-Order Production - Finished Goods Sales and Final Assembly)
Application Component	MM-FIO-IM-SGM (<i>Inventory</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Post Goods Receipt for Production Order](#)

11.2.1.3 Post Goods Receipt for Inbound Delivery

In the [Post Goods Receipt for Inbound Delivery](#) app, the following features are available:

- The app now supports materials with split valuation. It is now possible to either select a valuation type or show the assigned valuation type for the split valuated material.
- The app now supports serial numbers in subcontracting. You can assign, change, or remove serial numbers for materials and components.
- Use an enhanced search help with the additional [Shipping Point](#) field.
- The app layout has been optimized to improve performance.
- This app supports the following account assignment category M (*Individual customer requirements without KD-CO*).
- You can use the app for different process variants that can occur at the subcontracting component level such as shelf life expiration date and reason code.

With this app, you can post a goods receipt with reference to the inbound delivery. The app proposes a selection of inbound deliveries and advanced shipping notifications from the supplier that can be posted.

Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	BME (Stock Transfer with Delivery) BMY (Subcontracting)
Application Component	MM-FIO-IM (<i>Inventory</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Post Goods Receipt for Inbound Delivery](#)

11.2.1.4 Post Subsequent Adjustment

With this app, you can carry out a subsequent correction posting of components from the subcontracting purchasing document. This is the case if a subcontractor has consumed a larger or smaller quantity of components than you originally planned and posted.

This app focuses on the special process step of the subsequent adjustment posting after the goods receipt process for the subcontracting purchasing document.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BMC (Core Inventory Management)
Application Component	MM-FIO-IM (<i>Inventory</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Post Subsequent Adjustment](#)

11.2.1.5 Post Goods Receipt without Reference

In the [Post Goods Receipt without Reference](#) app, the following features are available:

- The app now supports materials with split valuation. It is now possible to either select a valuation type or show the assigned valuation type for the split valuated material.
- In the app, you can now assign, change, or remove serial numbers.
- The app layout has been optimized to improve performance.

With this app, you can post a goods receipt without reference to an order.

This situation occurs when you need to handle the procurement of consignment stocks. The cause lies in the special ordering principle of consignment stocks, in which the supplier has already contractually agreed in advance to deliver materials in a specific quantity and time to the customer depending on demand and without an explicit order.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BJE (Make-to-Order Production - Finished Goods Sales and Final Assembly)
Application Component	MM-FIO-IM-SGM (Inventory)
Available As Of	SAP S/4HANA Cloud 2021

Related Information

[Post Goods Receipt without Reference](#)

11.2.1.6 Manage Stock

In the [Manage Stock](#) app, the following features are available:

- Use an optimized application setting to increase the size of the plants displayed to a maximum of 10 TSD. This setting option is helpful, if you handle a huge amount of plants at one time with this app.
- The app layout has been optimized to improve performance.
- You can assign serial numbers to materials with a serial number profile during initial entry.
- You can scrap materials by serial number at a storage location and stock type.

With this app, you can perform stock changes.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BMC (Core Inventory Management)
Application Component	MM-FIO-IM (<i>Inventory</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Manage Stock](#)

11.2.1.7 Transfer Stock – In Plant

In the *Transfer Stock – In Plant* app, the following features are available:

- Use an optimized application setting to increase the size of the plants displayed to a maximum of 10 TSD. This setting option is helpful, if you handle a huge amount of plants at one time with this app.
- The app layout has been optimized to improve performance.
- You can now transfer serialized stock within a plant and assign up to 10,000 serial numbers at a time for the following stock types:
 - Unrestricted-use stock
 - Blocked stock
 - Stock in Quality Inspection

With this app, you can make transfer postings within a plant.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BMC (Core Inventory Management)
Application Component	MM-FIO-IM-SGM (<i>Inventory</i>)

Related Information

[Transfer Stock - In-Plant](#)

11.2.1.8 Transfer Stock – Cross Plant

In the [Transfer Stock – Cross Plant](#) app, the following feature is available:

- The app layout has been optimized to improve performance.
- This app now supports serial number handling.

With this app, you can make the transfer postings from one plant (issuing plant) to another plant (receiving plant). The app supports you in finding the allowed transfer postings and in personalizing the control presettings of storage locations and visible columns.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1P7 (Cross-Plant Transfer Posting)
Application Component	MM-FIO-IM (Inventory)
Available As Of	SAP S/4HANA 2021

Related Information

[Transfer Stock - Cross-Plant](#)

11.2.2 Reservations

11.2.2.1 Manage Manual Reservations

This app enables you to manually create and manage reservations for goods movements for a warehouse. Based on initial user's input, the app calculates a predefined set of rules for reservation processing and adds relevant default values. You can search for reservations using different filters and display general information and details of individual reservation items. It's possible to plan goods issues, goods receipts, and transfer postings.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BMC (Core Inventory Management)
Application Component	MM-FIO-IM-RSV (Inventory)
Available As Of	SAP S/4HANA 2021

Additional Details

Authorization logic is implemented in the app, so that only users with relevant authorizations have access to specific reservations and actions.

Effects on Customizing

This app supports the Advanced ATP (aATP) availability check only. If a dynamic availability check is required, activate the aATP in the customizing configurations of your checking group.

Related Information

[Manage Manual Reservations](#)
[How to Create a Reservation](#)

11.2.2.2 Manage Reservation Items

This app enables you to view, mark as deleted, or copy the items of a reservation as well as create a new manual reservation.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BMC (Core Inventory Management)
Application Component	MM-FIO-IM-RSV (Inventory)
Available As Of	SAP S/4HANA 2021

Additional Details

Authorization logic is implemented in the app, so that only users with relevant authorizations have access to specific reservations and actions.

Effects on Customizing

This app supports the Advanced ATP (aATP) availability check only. If a dynamic availability check is required, activate the aATP in the customizing configurations of your checking group.

Related Information

[Manage Reservation Items](#)

11.2.3 Inventory Analytics and Control

11.2.3.1 Material Documents Overview

In the [Material Documents Overview](#) app, the following features are available:

- The app displays material documents for batch-managed materials with a split valuation. The app now also displays the new field *Valuation Type* for these batch-managed materials.
- In the app, the material documents now display a list of the serial numbers, if any, that were assigned to materials during the relevant goods movement.
- Use an enhanced process flow in the graphical representation. Now the process flow for a material document also includes the relevant physical inventory documents (if available in the corresponding process).
- The app supports the filtering for material documents with item lines that are automatically generated from the stock transfer posting (*Auto-Created Item*).
It is only in the case of a transfer posting that there are always two lines for each material in the corresponding material document (for the issuing and receiving plant). This means that you always have an overview of where a transferred material comes from and where the target plant is.

With this app, you can display a list of material document items and display the material document details of a selected material document item. In addition, you can reverse a material document.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BMC (Core Inventory Management)
Application Component	MM-FIO-IM (<i>Inventory</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Material Documents Overview](#)

11.2.3.2 Stock - Single Material

In the *Stock – Single Material* app, you can now navigate to the *Display Serial Numbers* app.

With this app you can get an overview of your material stock. You can review your stock by the plants and storage locations for which you are responsible. The app can display the stock information as a table or a diagram.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BMC (Core Inventory Management)
Application Component	MM-FIO-IM-SGM (<i>Inventory</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Stock - Single Material](#)

11.2.3.3 Stock - Multiple Materials

With the [Stock – Multiple Materials](#) app, the following features are available:

- This app supports the monitoring of materials in your stock with improved filter options. With these filter options you can better investigate your *active* materials (that is, for which goods movements have taken place) and materials without a deletion indicator in more detail.
The following filters are new or enhanced:
 - [Deletion Flag for Material](#) (new): Direct search for materials and, if necessary, their exclusion from the search that are already marked with a deletion flag.
 - [Stock Selection Type](#) (enhanced): Enhanced with an additional database query.
- In the app, you can now navigate to the [Display Serial Numbers](#) app.

With the app, you can get an overview of your material stocks. You can review your stock by the plants and storage locations for which you are responsible:

- Display a stock overview of one or multiple materials.
- Display the value of your stocks.
- Display the stock information as a table.

Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	1IU (Customer Consignment)
Application Component	MM-FIO-IM-SGM (Inventory)
Available As Of	SAP S/4HANA 2021

Related Information

[Stock - Multiple Materials](#)

11.2.3.4 Dead Stock Analysis

For the [Dead Stock Analysis](#) app, the aggregation behavior has changed for the fields [Date of Last Consumption](#) and [Date of Last Posting](#) (From MAX to MIN).

With this app, you can monitor and make time-dependent investigations of your dead stock. The [Dead Stock Analysis](#) app supports you in your daily work, for example, as an inventory manager, to achieve maximum inventory accuracy and subsequently to optimize the inventory situation in your stock.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BMC (Core Inventory Management)
Application Component	MM-FIO-IM-SGM (Inventory)
Available As Of	SAP S/4HANA 2021

Related Information

[Dead Stock Analysis](#)

11.2.4 Physical Inventory

11.2.4.1 Manage Physical Inventory Count

With this app, you can work on physical inventory documents for which you want to count items or change the counts of already counted items.

Therefore, you can search for physical inventory documents that contain materials that are ready to be counted. From the results list, you can navigate directly to the required physical inventory document. On physical inventory document item level, all items are grouped into *Uncounted* or *Counted*. If items are uncounted, you can directly enter your count results. When you save your entries, the counting step for the selected item is completed.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BML (Physical Inventory - Inventory Count and Adjustment)
Application Component	MM-FIO-IM-PI (Inventory)
Available As Of	SAP S/4HANA 2021

Additional Details

Additionally, two new business add-ins (BAIs) support the app:

- [BAI: Disabling of Default Scan Coding for Physical Inventory Counts](#)
You can use this BAI to enable or disable the execution of the default SAP coding for the scan in the physical inventory counting process.
- [BAI: Changing of Scan Results for Physical Inventory Counts](#)
You can use this BAI to change items in the function response of the default SAP coding for the scan in the [Manage Physical Inventory Count](#) app.

Related Information

[Manage Physical Inventory Count](#)

11.2.5 CDS Views for Inventory Management

With this feature, the following CDS (Core Data Services) views have been released for *Inventory Management*:

- [Material Document Data Extraction](#) (I_GoodsMovementDocumentDEX)
- [Derivation Function for Valuation Area Type Customizing](#) (F_ValuationAreaType)
- [Plant](#) (I_PlantStdVH)
- [Storage Location](#) (I_StorageLocation)
- [Current Stock Quantity and Value \(Interface\)](#) (I_StockQuantityCurrentValue_2)
- [Current Stock Quantity and Value \(Consumption\)](#) (C_StockQtyCurrentValue_3)
- [Default Values for Inventory Management and Physical Inventory](#) (I_DfltValsForInvtryMgmtAndPInv)
- [Material Stock Substitute Extraction](#) (I_GoodsMovementSubstituteDEX)

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	MM-IM-VDM (Inventory)
Available As Of	SAP S/4HANA 2021

Additional Details

- [Material Document Data Extraction](#) (I_GoodsMovementDocumentDEX)
You can use this CDS view to obtain information about the material document data extraction.
- [Derivation Function for Valuation Area Type Customizing](#) (F_ValuationAreaType)
This CDS view is a derivation function. The view retrieves the information from the configuration as to whether the `Plant` or the `CompanyCode` is defined as a valuation area.
- [Plant](#) (I_PlantStdVH)
You can use this CDS view to obtain information about the plant, including plant ID and plant name. This view is a help view.
- [Storage Location](#) (I_StorageLocation)
You can use this CDS view to obtain information about the storage location, including the new option of selecting a checkbox to determine whether the data record is up to date.
- [Current Stock Quantity and Value \(Interface\)](#) (I_StockQuantityCurrentValue_2)
You can use this CDS view to gain information about absolute stock and stock changes derived from the business object *Material Document*.
- [Current Stock Quantity and Value \(Consumption\)](#) (C_StockQtyCurrentValue_3)

You can use this CDS view to gain information about absolute stock and stock changes derived from the business object *Material Document*.

- [Default Values for Inventory Management and Physical Inventory](#) (I_DfltValsForInvtryMgmtAndPInv)
The view provides the default value for the delivery completed indicator.
- [Material Stock Substitute Extraction](#) (I_GoodsMovementSubstituteDEX)
To be able to calculate current stocks the systems does not only contain actual material document data but also substitute data for material documents that are not in the system anymore because they have been archived. This CDS view is tended to be used for data extraction of the substitute material document data.

Related Information

[CDS Views for Inventory Management](#)

11.2.5.1 Deprecation of CDS Views

The following CDS views were deprecated in SAP S/4HANA 2021:

- [Material Document Header](#) (I_MaterialDocumentHeader)
- [Material Document Item](#) (I_MaterialDocumentItem)
- [Current Stock Quantity and Value \(Interface\)](#) (I_StockQuantityCurrentValue)
- [Current Stock Quantity and Value \(Consumption\)](#) (C_StockQtyCurrentValue_2)

The CDS views are no longer available by default and will be deleted as of SAP S/4HANA 2022 release. We strongly recommend replacing any deprecated CDS views with the successor at your earliest convenience.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	MM-IM-VDM (Inventory)
Available As Of	SAP S/4HANA 2021

Additional Details

Details of the deprecated and successor CDS views are as follows:

Deprecated CDS View	Successor CDS View	Reason for Deprecation
I_MaterialDocumentHeader	I_MaterialDocumentHeader_2	To improve the runtime performance and reduce the memory consumption in the database.
I_MaterialDocumentItem	I_MaterialDocumentItem_2	To improve the runtime performance and reduce the memory consumption in the database.
I_StockQuantityCurrentValue	I_StockQuantityCurrentValue_2	To improve the runtime performance and reduce the memory consumption in the database.
C_StockQtyCurrentValue_2	C_StockQtyCurrentValue_3	To improve the runtime performance and reduce the memory consumption in the database.

Related Information

[CDS Views for Inventory Management](#)

11.2.5.2 Deprecation of ProfitabilitySegment in CDS Views for Inventory

With this release, the `ProfitabilitySegment` field is deprecated as of SAP S/4HANA 2021 and will be replaced with the `ProfitabilitySegment_2` field in the affected CDS views for Inventory. The `ProfitabilitySegment` field will be unusable in SAP S/4HANA 2022. We recommend that you switch to the `ProfitabilitySegment_2` field as soon as possible.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	MM-IM-VDM (<i>Inventory</i>)

Additional Details

- SAP will replace field `ProfitabilitySegment` with field `ProfitabilitySegment_2`. Therefore, please switch to field `ProfitabilitySegment_2` before SAP S/4HANA 2022.
- Field `ProfitabilitySegment_2` is a character field (CHAR), while field `ProfitabilitySegment` is a numeric character field (NUMC). The field lengths are the same.
- If no profitability segment is assigned to field `ProfitabilitySegment_2`, there may be entries with a space (new entries), entries with 0000000000 (old entries), or both. When you switch to field `ProfitabilitySegment_2`, you must adapt your code that checks whether the field is empty (that is, a space or 0000000000).
- The field `ProfitabilitySegment_2` will contain non-numeric characters (that is, characters from A to Z) after the system reaches the highest numerical value.

The table below lists the affected CDS views and their related apps.

Affected CDS Views and Apps

CDS View	Related App	Application Component
Goods Movement Analysis (I_GoodsMovementCube)	Not applicable	MM-IM (Inventory)
Material Document Data Extraction (I_GoodsMovementDocumentDEX)	Not Applicable	MM-IM (Inventory)
Reservation Document Header (I_ReservationDocumentHeader)	Not Applicable	MM-IM (Inventory)

Related Information

[Deprecation of ProfitabilitySegment in CDS Views \[page 1108\]](#)

11.2.6 Output Management in Inventory Management

The following features are now available:

- You can now add [Special Stock Type](#) information as a selection parameter to trigger your output forms using the [Output Parameter Determination](#) app.
- A selection of material document output forms now provide the [Country/Region of Origin](#) information from the [Purchasing Info Record](#).

- You can use further goods movement types for the printout of the goods movement.
- You can use classification for printing collective slips and individual slips.
- You can indicate whether a print is triggered manually (or automatically).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	MM-IM (<i>Inventory</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The following output forms now include *Country/Region of Origin* information:

Form Template	Description
MMIM_GR4PO_COL_SLIP	Goods Receipt for PO collective slip PDF Output
MMIM_GR4PO_EMAIL	Goods Receipt for PO email message
MMIM_GR4PO_IND_SLIP	Goods Receipt for PO individual slip PDF Output
MMIM_GR4PO_IND_SLIPT	Goods Receipt for PO individual slip with text PDF Output
MMIM_GRPO_MPCHK_MAIL	Goods Receipt for PO Missing Part Check E-Mail
MMIM_GRPO_PRVAR_MAIL	Goods Receipt for PO - Quantity Deviation E-Mail
MMIM_GRPO_UNDEL_MAIL	Goods Receipt for PO Underdelivery E-Mail
MMIM_GR_LABEL	Goods Receipt Label Output

11.2.6.1 Extensibility for Adobe Output Forms of Material Documents

This enhancement enables you to add the *Serial Numbers* and *Equipment Number* fields to a selection of printouts in Inventory using the *Maintain Form Templates* app.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	MM- IM (<i>Inventory</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

You can now enhance the following templates with *Serial Numbers* and *Equipment Number*:

Form Template Name	Description
MMIM_GISC_COL_SLIP	Goods Issue SC Collective Slip
MMIM_GISC_IND_SLIP	Goods Issue SC Individual Slip
MMIM_GISC_IND_SLIPT	Goods Issue SC Individual Slip with Inspection Text
MMIM_GI_COL_SLIP	Goods Issue Collective Slip Output
MMIM_GI_IND_SLIP	Goods Issue Individual Slip Output
MMIM_GI_IND_SLIPT	Goods Issue Individual Slip Output with Inspection Text
MMIM_GMVT_TP_COL_SLIP	Goods Movement Transfer Posting - Collective Slip
MMIM_GMVT_TP_IND_SLIP	Goods Movement Transfer Posting - Individual Slip
MMIM_GMVT_TP_IND_SLIPT	Goods Mvt. Transfer Posting- Individual Slip with Insp. text
MMIM_GR4PO_COL_SLIP	Goods Receipt for PO collective slip PDF Output
MMIM_GR4PO_EMAIL	Goods Receipt for PO email message
MMIM_GR4PO_IND_SLIP	Goods Receipt for PO individual slip PDF Output
MMIM_GR4PO_IND_SLIPT	Goods Receipt for PO individual slip with text PDF Output
MMIM_GRORD_IND_SLIP	Goods Receipt for Order Individual Slip
MMIM_GRORD_IND_SLIPT	Goods Receipt for Order Individual Slip with Inspection Text
MMIM_GRPO_MPCHK_MAIL	Goods Receipt for PO Missing Part Check E-Mail

Form Template Name	Description
MMIM_GRPO_PRVAR_MAIL	Goods Receipt for PO - Quantity Deviation E-Mail
MMIM_GRPO_UNDEL_MAIL	Goods Receipt for PO Underdelivery E-Mail
MMIM_GR_LABEL	Goods Receipt Label Output

11.2.7 APIs for Inventory

11.2.7.1 OData API: Material Documents - Read, Create

The OData service [Material Documents – Read, Create](#) (API_MATERIAL_DOCUMENT) has been enhanced with additional properties. The following features are now available:

- You can synchronously create an Extended Warehouse Management (EWM) document and material document.
- You can reverse a reservation in movement type 262 or 262 equivalent.
- The field `GLAccount` is supported for movement types that aren't stock-specific.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BMC (Core Inventory Management)
Application Component	MM-IM-GF (<i>Inventory</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The following properties have been added with this release:

- To the entity [Document Item](#) (`A_MaterialDocumentItem`): `EWMWarehouse`, `EWMStorageBin`, `MaterialDocumentPostingType`, `InventoryUsabilityCode`, `GLAccount`

The field `MaterialDocumentPostingType` has been added in order to reverse a reservation. It is only supported for movement type 262 or 262 equivalent and only when the value is set to "1".

This API is also available in the SAP API Business Hub (<https://api.sap.com/>).

11.2.7.2 OData API: Physical Inventory Documents - Read, Create

The OData API *Physical Inventory Documents - Read, Create* (API_PHYSICAL_INVENTORY_DOC) enables you to use a synchronous inbound service to read and create physical inventory documents. The service contains header entities and item entities, and now also serial number entities.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BML (Physical Inventory - Inventory Count and Adjustment) OML (Physical Inventory - Inventory Count and Adjustment)
Application Component	MM-IM-VDM-PI (<i>Inventory - Physical Inventory</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com/>)

11.2.7.3 OData API: Reservation Document

The OData service *Reservation Document* (API_RESERVATION_DOCUMENT) has been enhanced with an additional property.

Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	BMC (Core Inventory Management) OMC (Core Inventory Management)
Application Component	MM-IM (<i>Inventory</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The field `ResvnAccountIsEnteredManually` has been added to the entity *Reservation Document Items* (`A_ReservationDocumentItem`). If this field is set to “true”, all future goods movements will take the general ledger account (`GLAccount`) information from the reservation. If this field is set to “false” or not maintained, the `GLAccount` will be determined by the account determination settings in future goods movements.

This API is also available in the SAP API Business Hub (<https://api.sap.com/> ).

11.2.7.4 SOAP API: Material Document - Create

The SOAP service *Material Document - Create* (`MaterialDocumentCreateRequest_Async_In`) enables you to communicate with an external customer system that triggers a request to your SAP S/4HANA system to create a material document.

The following features are now available:

- Additional fields have been added, and the unit of measure handling has been enhanced.
- The SOAP service has been enhanced with a new field, `MaterialDocumentPostingType`, which enables the reversal of a reservation in movement type 262 or 262 equivalent.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BMC (Core Inventory Management)
Application Component	MM-IM-GF (<i>Inventory</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The SOAP message now contains both the ISO code and the SAP-internal code for units of measure. If both the SAP-internal code and the ISO code are provided, the system will check that they match and then use the SAP-internal code. If only the ISO code is provided, the system will convert the ISO code into the SAP-internal code before the document is created.

The following nodes or fields have been added with this release:

- `InvtryMgmtReferenceDocument`
- `InvtryMgmtRefDocumentItem`
- `ReferenceDocumentFiscalYear`

`MaterialDocumentPostingType` is only supported for movement type 262 or 262 equivalent and only when the value is "1".

This API is also available in the SAP API Business Hub (<https://api.sap.com/>.

11.2.7.5 SOAP API: Material Document - Receive Notification

The SOAP service [Material Document - Receive Notification](#) (`MaterialDocumentCreateNotification_Async_Out`) enables you to communicate with an external customer system. Your SAP S/4HANA system triggers a notification to an external system to inform the external system about the presence of a new material document. Additional fields have been added, and the unit of measure handling has been enhanced.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BMC (Core Inventory Management)
Application Component	MM-IM-GF (Inventory)
Available As Of	SAP S/4HANA 2021

Additional Details

The SOAP message now contains both the ISO code and the SAP-internal code for units of measure. The system complements the SAP-internal code used in your SAP S/4HANA Cloud system with the ISO code when the SOAP message gets sent. If the system cannot determine an ISO code that corresponds to the SAP-internal code, it enters ZZ as the value for the attribute. This ensures that the SOAP message is sent.

The following nodes or fields have been added with this release:

- `InvtryMgmtReferenceDocument`
- `InvtryMgmtRefDocumentItem`
- `ReferenceDocumentFiscalYear`

11.2.7.6 SOAP API: Material Stock – Replicate

The SOAP service [Material Stock - Replicate](#) (`MaterialStockReplicateOut`) is an asynchronous outbound service that enables you to replicate material stock quantity information for external systems such as SAP Hybris Commerce. The unit of measure handling has been enhanced.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BMC (Core Inventory Management)
Application Component	MM-IM-GF (Inventory)
Available As Of	SAP S/4HANA 2021

Additional Details

The SOAP message now contains both the ISO code and the SAP-internal code for units of measure. The system complements the SAP-internal code used in your SAP S/4HANA Cloud system with the ISO code when the SOAP message gets sent. If the system cannot determine an ISO code that corresponds to the SAP-internal code, it enters ZZ as the value for the attribute. This ensures that the SOAP message is sent.

11.2.8 Extensibility

11.2.8.1 Process Extensibility for Inventory Management

With this feature, you can extend applications for the purpose of goods movement posting. A posting process starts with a reference to a shipping document and moves on to the material document.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BMC (Core Inventory Management)
Application Component	MM-IM-GF (Inventory)
Available As Of	SAP S/4HANA 2021

11.2.8.2 App Extensibility: Post Goods Receipt for Purchasing Document

Serial number handling is now supported in the following Business Add-Ins (BAIs): [Change Header and Item Data in Goods Receipts](#) and [Check Header and Item Data in Goods Receipts](#).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BMC (Core Inventory Management)
Application Component	MM-IM (Inventory)
Available As Of	SAP S/4HANA 2021

11.2.9 Deprecation of Design Studio Apps in Inventory from SAP Fiori Launchpad

All SAP Design Studio apps in Inventory are deprecated as of SAP S/4HANA **2021** and will be removed from the system as of SAP S/4HANA **2022**.

We recommend that you switch to the Web Dynpro apps, which are the successor apps and already the default tiles on the SAP Fiori launchpad.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	See the table below
Application Component	MM-IM (Inventory)
Available As Of	SAP S/4HANA 2021

Additional Details

With SAP S/4HANA 2020, the Web Dynpro version of the tiles became the default tiles on the SAP Fiori launchpad. The Design Studio versions of the tiles are still available via the app finder.

Here's a list of all deprecated Design Studio apps in Inventory and their successor apps:

Design Studio Apps

Fiori ID	Design Studio App Name	Successor App	Scope Item	Application Component	Business Catalog
F2912	Goods Movement Analysis	W0055	BMC (Core Inventory Management)	MM-FIO-IM	SAP_PRC_BC_IM_ANALYTS_QUERY
F2913	Physical Inventory Analysis	W0058	BML (Physical Inventory - Inventory Count and Adjustment)	MM-FIO-IM-PI	SAP_PRC_BC_IM_ANALYTS_QUERY

11.2.10 Business Events for Physical Inventory Documents

With this feature you can enable the *Physical Inventory Document* business object to trigger the following business events:

- CREATED
- CHANGED
- STOCKCOUNTED
- POSTED
- DELETED

An external service or system can be configured to consume these events.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BMC (Core Inventory Management)
Application Component	MM-IM (<i>Inventory</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

This event is available on the SAP API Business Hub (<https://api.sap.com/>).

11.2.11 BAdI: Determine Delivery Dates

This new Business Add-In (BAdI) `DETERMINE_DELIVERY_DATES` is used in the MM-IM component. You can use this BAdI to determine the delivery date and the goods issue date of an EWM outbound delivery.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	MM-IM (<i>Inventory</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The BAdI allows you to modify the delivery date and planned goods movement date.

It is called during the creation of an outbound delivery via MB26 or MIGO with reference to a material reservation.

11.2.12 IAM Objects in Inventory Management

Changes to the identity and access management (IAM) objects delivered for Inventory Management require you to check your business roles and the business catalogs assigned to them. Ensure that the restrictions included in the business catalogs are set correctly to allow your users to use their business apps as needed.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	See the table below
Application Component	MM-FIO-IM-RSV (<i>Inventory</i>) MM-FIO-IM (<i>Inventory</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

IAM Objects

Name of IAM Object	Object Type	Changes with This Release	Details	Relevant Scope Items
<i>Materials Management - Process Reservations</i> (SAP_MM_BC_IM_RES V_PROCESS)	business catalog	New business catalog	The new apps <i>Manage Manual Reservations</i> and <i>Manage Reservation Items</i> are part of this catalog. This business catalog is now assigned to the business role template for <i>Warehouse Clerk</i> (SAP_BR_WAREHOUSE_CLERK)	BMC (Core Inventory Management)

Name of IAM Object	Object Type	Changes with This Release	Details	Relevant Scope Items
Materials Management - Display Reservation (SAP_MM_BC_IM_RES_V_DISPLAY)	business catalog	New business catalog	<p>The new app Reservation is part of this catalog as a navigation target without a tile.</p> <p>This business catalog is now assigned to the business role template for Warehouse Clerk (SAP_BR_WAREHOUSE_CLERK)</p>	BMC (Core Inventory Management)
Materials Management - Reservation API (SAP_MM_BC_IM_RES_V_API)	business catalog	New business catalog	<p>The API OData Service APIReservationDocument_SRV is part of this business catalog.</p> <p>This business catalog is now assigned to the business role template for Inventory Manager (SAP_BR_INVENTORY_MANAGER)</p>	BMC (Core Inventory Management)
Materials Management - Goods Receipt Processing (SAP_MM_BC_IM_GR_PROCESS)	business catalog	Changed business catalog	The Post Subsequent Adjustment app was added to this business catalog.	BMC (Core Inventory Management)
Materials Management - Warehouse Processing (SAP_MM_BC_IM_PROCESS)	business catalog	Changed business catalog	The Post Subsequent Adjustment app was added to this business catalog.	BMC (Core Inventory Management)
Materials Management - Warehouse Management (SAP_MM_BC_IM_MANAGE)	business catalog	Changed business catalog	The Post Subsequent Adjustment app was added to this business catalog.	BMC (Core Inventory Management)
Materials Management - Physical Inventory Processing (SAP_MM_BC_IM_PI_PROCESS)	business catalog	Changed business catalog	The Manage Physical Inventory Count app was added to this business catalog.	BML (Physical Inventory - Inventory Count and Adjustment)

Name of IAM Object	Object Type	Changes with This Release	Details	Relevant Scope Items
Materials Management - Goods Receipt Processing (SAP_MM_BCG_IM_GR_PROCESS)	business catalog group	Changed business catalog group	The Post Subsequent Adjustment app was added to this business catalog group.	BMC (Core Inventory Management)
Materials Management - Physical Inventory Processing (SAP_MM_BCG_IM_PI_PROCESS)	business catalog group	Changed business catalog group	The Manage Physical Inventory Count app was added to this business catalog group.	BML (Physical Inventory - Inventory Count and Adjustment)
Inventory Management - Processing (SAP_MMIM_PG_INVENTORY_PROCESS)	page	Changed page	The Post Subsequent Adjustment app was added to this page.	BMC (Core Inventory Management)
Inventory Management - Manage (SAP_MMIM_PG_INVENTORY_MANAGE)	page	Changed page	The Post Subsequent Adjustment app was added to this page.	BMC (Core Inventory Management)
Inventory Management - Processing (SAP_MMIM_PG_INVENTORY_PROCESS)	page	Changed page	The Manage Physical Inventory Count app was added to this page.	BML (Physical Inventory - Inventory Count and Adjustment)

11.3 Warehouse Management

11.3.1 Enhancements to Packing Functions Using Unified Package Building

With this feature, you can create packages using unified package building, a generic packaging layer. Unified package building supports alternative packaging approaches. These packaging approaches are called unified package building engines and process different sets of packaging master data and Customizing settings. The following unified package building engines are supported:

- Package building with the package builder
- Packing instruction
- Packaging specification

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1FS (Basic Warehouse Inbound Processing from Supplier) 1G2 (Basic Warehouse Outbound Processing to Customer) 1VB (Production Integration - Component Consumption and Receipt in Warehouse)
Application Component	SCM-BAS-PAK-UPB (<i>Unified Package Building</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

You can use unified package building when a packing proposal is required for the following process steps:

- For receiving handling units (HUs) from production using radio frequency (RF)
- For deconsolidation and repacking inbound deliveries
- For packing in the outbound delivery process
- For packing in the posting change process
- For packing in the stock transfer process

Effects on Customizing

- Create unified package building profiles in Customizing for Extended Warehouse Management under [Cross-Process Settings > Handling Units > Unified Package Building > Define Unified Package Building Profile](#).
- Assign the unified package building profile to process steps in Customizing for Extended Warehouse Management under [Cross-Process Settings > Handling Units > Unified Package Building > Maintain Package Building Profiles for Warehouses](#).
- Specify a unified package building profile for a packaging material proposal for your combination of document type and document category in Customizing for Extended Warehouse Management under:
 - [Goods Issue Process > Outbound Delivery > Define Document Types for Outbound Delivery Process](#)
 - [Internal Warehouse Processes > Delivery Processing > Posting Changes > Define Document Types for Posting Change Process](#)
 - [Internal Warehouse Processes > Delivery Processing > Stock Transfers > Define Document Types for the Stock Transfer Process](#)

- The Business Add-In *BAdI: Determination of Packing Rules Using UPB* is available in Customizing for Extended Warehouse Management under ► *Business Add-Ins (BAdIs) for Extended Warehouse Management* ► *Cross-Process Settings* ► *Handling Units* ► *Basic Enhancements for Handling Units* ► *BAdI: Determination of Packing Rules Using UPB* ►.

Related Information

[Unified Package Building](#)

11.3.2 Automatic Setting of Shipping Readiness Status

With this feature, you can have the system set the shipping readiness status of a delivery to *Ready* automatically in Advanced Shipping and Receiving. You can make settings in Customizing to define at which point an outbound delivery order can be set to ready for shipping. You can then run a report which analyzes your Customizing settings, finds matching outbound delivery orders, and sets their shipping readiness status to *Ready*.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1G2 (Basic Warehouse Outbound Processing to Customer)
Application Component	SCM-EWM-SR (<i>Shipping and Receiving</i>)
Available As Of	SAP S/4HANA 2021

Effects on System Administration

You can use the report *Automatically Set Status of Deliveries to Ready for Shipping* / SCWM/ R_SET_DSH_STAT_AUTOMATIC to set the shipping readiness status of eligible outbound delivery orders from *Not Ready* to *Ready*. You can schedule this report to run in a background job.

Effects on Customizing

- You can define at which point an outbound delivery order can be set to ready for shipping in Customizing for Extended Warehouse Management under ► [Goods Issue Process](#) ► [Outbound Delivery](#) ► [Integration with Transportation](#) ► [Set Shipping Readiness for Deliveries Automatically](#) ►.
- You can enhance the logic of your Customizing settings using the Business Add-In [BAdI: Automatic Setting of Shipping Readiness](#) in Customizing for Extended Warehouse Management under ► [Business Add-Ins \(BAdIs\) for Extended Warehouse Management](#) ► [Goods Issue Process](#) ► [Outbound Delivery](#) ► [BAdI: Automatic Setting of Shipping Readiness](#) ►.

Related Information

[Shipping Readiness](#)

11.3.3 Enhancements to the Warehouse Management Monitor

With this feature, there are new enhancements to the warehouse management monitor for the JIT call process, attachments, posting changes for serialized products, exceptions, the MES-driven staging process, SOAP messages, and displaying change documents.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-MON (Monitoring)
Available As Of	SAP S/4HANA 2021

Additional Details

Stock Transfer for JIT Call

You have additional functionality for the stock transfer for JIT call process.

In the ► [Outbound](#) ► [Documents](#) ► [Stock Transfer for JIT Call](#) ► [Stock Transfer Item for JIT](#) ► node, you can use the [Redetermine WPT](#) method to redetermine the warehouse process type for one or more stock transfer items

for JIT calls. This is especially useful if you have implemented the Business Add-In (BAI) [Determination of Warehouse Process Type](#) (/SCWM/EX_DLV_DET_PROCTYPE) or have changed the Customizing for warehouse process type determination.

Note

You can only use this method if the [Planning of Warehouse Activity](#) status of the selected item is [Not Started](#) and if the item is not locked.

In the node [Inbound > Documents > Stock Transfer for JIT Call](#) and in some of its subnodes, you can use the [Cancel Pick WT](#) monitor method to cancel open picking warehouse tasks. If you have confirmed picking warehouse tasks, you can reverse picking using one of the following monitor methods:

- [Remove JIT Call Reference](#) - No putaway task is created for the picked goods.
- [Remove JIT-Ref + Create WT\(FG\)](#) - You manually create a putaway task for the picked goods.
- [Remove JIT-Ref + Create WT\(BG\)](#) - The system automatically creates a putaway task for the picked goods.

You can stop automatic or manual planning activities for a stock transfer for JIT call, at either the header or item level, using the [Block for Warehouse Planning](#) monitor method. You can unblock the stock transfer for JIT call using the [Unblock Warehouse Planning](#) monitor method.

Attachments

You can add URLs as attachments to delivery documents and transportation units, and you can attach files and URLs to handling units.

You can use the following methods for attachments to a handling unit, a transportation unit, or a delivery document:

- [Upload Attachments](#)
- [Add URL as Attachment](#)

You can add attachments to handling units in the following monitor nodes:

- [Inbound > Documents > Inbound Delivery > Handling Unit](#)
- [Outbound > Documents > Outbound Delivery Order > Handling Unit](#)
- [Documents > Handling Unit](#)
- [Stock and Bin > Handling Unit](#)

Partial Quantities of Serialized Products

You can post changes for partial quantities of stock items for serialized products under [Stock and Bin > Physical Stock](#). You can view the serial numbers assigned to your physical stock in this node. Note that you can also post these changes in the [Create Posting Changes](#) app.

Exceptions

You can see who solved exceptions and when exceptions were solved under [Alert > Exception](#).

MES-Driven Staging

You can monitor the MES-driven staging process.

Starting from the node [Documents > Stock Transfer](#), you can select and monitor stock transfer data for the MES-driven staging process according to the staging request from the MES. From this node, you can also drill down into the stock transfer items, warehouse orders, and warehouse tasks for each stock transfer.

In the node [Documents > Stock Transfer Items](#), you can use the [Adjust Quantity](#) method to make a mass adjustment to multiple stock transfer items.

Monitoring SOAP Messages

In the node [Tools > SOAP Message](#), you can monitor incoming and outgoing SOAP messages, for example, between Extended Warehouse Management and a manufacturing execution system (MES).

Displaying Change Documents

You can display change documents for warehouse attributes and storage type attributes of the product master data in Extended Warehouse Management (EWM) under [Product Master Data > Warehouse Attribute](#) and [Product Master Data > Warehouse Attribute > Storage Type Attribute](#).

Effects on Customizing

To display change documents for warehouse attributes and storage type attributes of the EWM product master data, you must activate the change documents in Customizing for Extended Warehouse Management under [Master Data > Product > Activate Change Documents for Product Master Data](#).

Related Information

[Attachments](#)

[Stock Transfer for JIT Call in the Warehouse Management Monitor](#)

[Monitoring](#)

[MES-Driven Staging in the Warehouse Management Monitor](#)

11.3.4 Enhancements to the RF Framework

This feature enables you to do the following:

- Overwrite some radio frequency (RF) framework Customization settings
- Scan different types of bar codes and longer bar codes (up to 255 characters)
For example, you can implement your own decoding logic for bar codes that use different data identifiers than GS1-128 bar codes
- Define specific reasons for logging off from RF devices

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-RF (Radio Frequency Processing)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

- You can overwrite some of the settings made in the Customizing activity [Define Steps in Logical Transactions](#) with the following Business Add-Ins (BAdIs) in Customizing for [Extended Warehouse Management](#) under ► [Business Add-Ins for Extended Warehouse Management](#) ► [Mobile Data Entry](#) ► [Radio Frequency \(RF\) Framework](#) ⌵:
 - [BAdI: Change of Inter-Transaction Flow](#)
 - [BAdI: Change of Step Screen](#)
 - [BAdI: Change of RF Step Flow](#)
 - [BAdI: Change of Function Code Profiles](#)
 - [BAdI: Change of Validation Profiles](#)
- You can enhance the standard bar code logic or define your own bar code decoding logic in Customizing for [Extended Warehouse Management](#) under ► [Business Add-Ins for Extended Warehouse Management](#) ► [Mobile Data Entry](#) ► [Bar Code Specification](#) ⌵:
 - [BAdI: Initialization of GS1-128 Bar Code Support](#)
 - [BAdI: Changing of Application Identifier Types](#)
 - [BAdI: Additional Check of Application Identifiers](#)
 - [BAdI: Decoding of Bar Codes](#)
 - [BAdI: Changing of Application Identifier Data](#)
- You can define reasons for logging off from RF devices in Customizing for [Extended Warehouse Management](#) under ► [Cross-Process Settings](#) ► [Warehouse Task](#) ► [Manage Reasons for Goods Movement](#) ⌵.

Related Information

[Radio Frequency Framework](#)

11.3.5 SAP GUI for HTML for Browser-Based RF Devices

This feature enables you to use SAP GUI for HTML for connecting browser-based radio frequency (RF) devices.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-RF (Radio Frequency Processing)
Available As Of	SAP S/4HANA 2021

Related Information

[Radio Frequency Framework](#)

11.3.6 Moving Sample Stock to Quality Inspection

With this feature, you can split sample stock from quality inspection stock for a quality inspection. If the stock is packed into handling units (HUs), you can round the sample size to avoid needing to unpack the HU to take the sample.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-QM (Quality Management)
Available As Of	SAP S/4HANA 2021

Additional Details

To take sample stock from quality inspection stock, during inbound processing the system uses the sample size calculated in the Quality Management component to create a warehouse task to move the sample stock for a quality inspection. The remaining quality inspection stock in the inspection lot is then put away to the final putaway storage bin.

Effects on Customizing

- You specify whether sample stock should be split from quality stock in Customizing for *Extended Warehouse Management* under ► *Cross-Process Settings* ► *Quality Management* ► *Basics and Integration* ► *Define and Activate Warehouse-Dependent IOTs* ►.
- You can influence which stock or serial number is selected for the sample stock in Customizing for *Extended Warehouse Management* under ► *Business Add-Ins (BAdIs) for Extended Warehouse Management* ► *Cross-Process Settings* ► *Quality Management* ► *Inspection* ► *BAdI: Stock Selection for Sample Size* ►.
- You can determine which stock is taken first when adding additional sample stock in Customizing for *Extended Warehouse Management* under ► *Business Add-Ins (BAdIs) for Extended Warehouse Management* ► *Cross-Process Settings* ► *Quality Management* ► *Inspection* ► *BAdI: Stock Sorting for Changed Sample Size* ►.
- You can change how the system rounds sample quantities, for example, to the next full alternative unit of measure, in Customizing for *Extended Warehouse Management* under ► *Business Add-Ins (BAdIs) for Extended Warehouse Management* ► *Cross-Process Settings* ► *Quality Management* ► *Inspection* ► *BAdI: Rounding of Sample Quantities for External Sample Size* ►.

Related Information

[Quality Management](#)

11.3.7 Creation of a Batch Subitem During Warehouse Task Confirmation

With this feature, you can choose to have the system create a batch subitem during pick-warehouse task confirmation. When an outbound delivery order for a batch-managed material is picked, and stock from different batches is used, there is a batch split. Batch subitems are listed on the outbound delivery order. However, if only one batch is picked, the system normally writes it directly into the delivery item. With this feature, you can choose to have the system create a subitem.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1V7 (Batch Management in Outbound Processing)
Application Component	SCM-EWM-DLP (Delivery Processing)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

To have the system create a batch split of a delivery item during pick-warehouse task confirmation, select [Activate Batch Split When Pick-Warehouse Task Is Confirmed](#). You can find this field for the document category of outbound delivery orders in Customizing for Extended Warehouse Management, under ► [Goods Issue Process](#) ► [Outbound Delivery](#) ► [Define Item Types for Outbound Delivery Process](#) ►.

Related Information

[Connection of Delivery Processing to Batch Management](#)

11.3.8 Assigning RFC Destinations to Logical Systems

With this feature, there is a different way for you to make settings for getting the remote function call (RFC) destination for some asynchronous and synchronous RFC calls from Extended Warehouse Management (EWM) to SAP S/4HANA.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	SCM-EWM-IF-ERP (<i>Interface ERP</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

For more information, see [Assign Default RFC Destinations to Logical Systems](#) in the *Administration Guide to Implementation of SAP S/4HANA 2021 with SAP Best Practices* under [Implementation > Activating Your Solution > Prerequisite Settings for Activation > Pre-Activation Settings for Embedded EWM Scope Items > Assign Default RFC Destinations to Logical Systems](#).

Effects on Data Transfer

If you do not define an RFC destination in the following Customizing activities for Extended Warehouse Management, the system uses the default RFC destinations maintained in Customizing activity [Assign Default RFC Destinations to Logical Systems](#):

- [Interfaces > ERP Integration > General Settings > Assign RFC Destinations to Logical Systems for Special Purposes](#)
- [Interfaces > Migration from LE-WM > Assign RFC Destinations to Logical Systems](#)
- [Cross-Process Settings > Quality Management for Decentralized EWM > Basics and Integration > Communication with an External QM System > Assign RFC Destinations to Logical Systems](#)

If no default RFC destinations have been maintained in the Customizing activity [Assign Default RFC Destinations to Logical Systems](#) either, the system reads the standard RFC destinations from transaction BD97.

You do not need to maintain RFC destinations in transaction BD97 if you maintain them in the Customizing activity [Assign Default RFC Destinations to Logical Systems](#) instead.

However, if you already maintained RFC destinations in transaction BD97 and now maintain different RFC destinations for the same receiving system in the Customizing activity [Assign Default RFC Destinations to Logical Systems](#), you run the risk of breaking the serialization of existing queued RFCs (qRFCs) in the outbound queue SMQ1. You need to therefore ensure that there are no unprocessed outbound queues for the respective receiving system if you make relevant changes in this Customizing activity.

Effects on System Administration

The report [Assigning a Standard BAPI Destination](#) /SCWM/R_ERP_RFC_DEST is obsolete. You can assign RFC destinations to logical systems (including your own logical system) in Customizing activity [Define Default RFC Destinations to Logical Systems](#).

Effects on Customizing

- You no longer need to use the Customizing activity [Determine RFC Destinations for Method Calls](#) for SAP Netweaver to get the RFC destination for some asynchronous and synchronous RFC calls from EWM to SAP S/4HANA.
- A new Customizing activity, [Assign Default RFC Destinations to Logical Systems](#) is available. In this Customizing activity, you define RFC destinations for logical systems, for standard communication usage from EWM to integrated systems. For more information, see Customizing for Extended Warehouse Management, under ► [Interfaces](#) ► [ERP Integration](#) ► [General Settings](#) ► [Assign Default RFC Destinations to Logical Systems](#) ►.
- The Customizing activity [Assign RFC Destinations to Logical Systems](#) has been renamed to [Assign RFC Destinations to Logical Systems for Special Purposes](#). In this Customizing activity, you define RFC destinations for logical systems for dedicated use in different application functions. You can find this activity under Customizing for Extended Warehouse Management ► [Interfaces](#) ► [ERP Integration](#) ► [General Settings](#) ► [Assign RFC Destinations to Logical Systems for Special Purposes](#) ►.

11.3.9 Enhancements to Fiori Apps for Delivery Processing

This feature enables you to change the gross weight and volume of delivery items in the Fiori apps [Run Outbound Process - Deliveries](#) and [Run Outbound Process - Production](#). Furthermore, you can also navigate from the Fiori apps [Run Outbound Process - Deliveries](#), [Run Outbound Process - Production](#), [Change Inbound Deliveries - Deliveries](#), and [Change Inbound Deliveries - Production](#) to the [Packing](#) screen. There you can manage handling units (HUs) more extensively, including nested HUs.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1FS (Basic Warehouse Inbound Processing from Supplier) 1G2 (Basic Warehouse Outbound Processing to Customer)
Application Component	SCM-EWM-FIO (Fiori UI for EWM)
Available As Of	SAP S/4HANA 2021

Related Information

[Change Inbound Deliveries - Deliveries](#)

[Change Inbound Deliveries - Production](#)
[Run Outbound Process - Deliveries](#)
[Run Outbound Process - Production](#)

11.3.10 Renamed Apps

Some of the apps for setting up and working with storage bins and resources were renamed.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-MD (<i>Master Data</i>), SCM-EWM-WOP-RM (<i>Resource Management</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The following apps were renamed:

Previous Name	New Name
<i>Change Storage Bins</i>	<i>Edit Storage Bins</i>
<i>Mass Change to Storage Bins</i>	<i>Mass Edit Storage Bins</i>
<i>Generate Storage Bins</i>	<i>Mass Create Storage Bins</i>
<i>Maintain Verification Field - Storage Bin</i>	<i>Edit Verification Fields - Storage Bin</i>
<i>Define Queue Sequence - Resource</i>	<i>Define Queue Sequence - Resource Group</i>
<i>Maintain Queue Type Sequence - Resource</i>	<i>Maintain Queue Type Sequence - Resource Group</i>

11.3.11 Renamed Customizing

Some Customizing activities were renamed.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM (<i>Extended Warehouse Management</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The following Customizing activities were renamed:

Previous Name	New Name
<i>Delete Fixed Bin Assignment</i>	<i>Configure Deletion of Fixed Bin Assignments</i>
<i>Define Number Ranges for ERP Deliveries</i>	<i>Define Number Ranges for LE Deliveries</i>
<i>Define Storage Section</i>	<i>Define Storage Sections</i>
<i>Activate Change Documents</i>	<i>Activate Change Documents for Storage Bins</i>
<i>Define Activities</i>	<i>Define Activities for Activity Areas</i>
<i>Define Activity Area</i>	<i>Define Activity Areas</i>
<i>Define Sort Sequence for Activity Area</i>	<i>Define Sort Sequence for Activity Areas</i>
<i>Specify Stock Removal Rule</i>	<i>Specify Stock Removal Rules</i>
<i>Optimization of Access Strategies for Stor. Type Determination in Stck Rmvl</i>	<i>Optimize Access Strategies for Stor. Type Determination in Stock Removal</i>
<i>Activate Change Documents</i>	<i>Activate Change Documents for Preallocated Stock</i>
<i>Define Packaging Material Types</i>	<i>Define Packaging Material Types for Warehousing</i>

Previous Name	New Name
Define Identification Types	Define Identification Types for Assigning to Handling Units
Define Number Range Intervals for GTL	Maintain Number Range Objects and Intervals for GTL
Define Number Ranges for Warehouse Order	Define Number Ranges for Warehouse Orders
Define Creation Rule for Warehouse Orders	Define Creation Rules for Warehouse Orders
Assign RFC Destinations to Logical Systems	Assign RFC Destinations to Logical Systems for Special Purposes
Define Synchronization of Stock Data for SAP ME System	Define Synchronization of Stock Data for MES

In addition, the following Customizing nodes were renamed:

Previous Name	New Name
SSCC Generation Acc. to EAN128	SSCC Generation
Message Queue Monitoring	Message Monitoring
SAP ME Integration	MES Integration

11.3.12 Enhancements to Attachments in Extended Warehouse Management

With this feature, you can upload, read, update, or delete attachments in various file formats to handling units (HUs). You can also add hyperlinks as attachments to delivery documents, transportation units (TUs), and HUs.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-DLV (Delivery Processing), SCM-EWM-MON (Monitoring)
Available As Of	SAP S/4HANA 2021

Additional Details

You can attach files and URLs directly to HUs in the following apps:

- [Change Inbound Deliveries - Deliveries](#)
- [Change Inbound Deliveries - Production](#)
- [Warehouse Monitor](#), nodes ► [Inbound](#) ► [Documents](#) ► [Inbound Delivery](#) ► [Handling Unit](#) ►
- [Warehouse Monitor](#), nodes ► [Outbound](#) ► [Documents](#) ► [Outbound Delivery Order](#) ► [Handling Unit](#) ►
- [Warehouse Monitor](#), nodes ► [Documents](#) ► [Handling Unit](#) ►
- [Warehouse Monitor](#), nodes ► [Stock and Bin](#) ► [Handling Unit](#) ►

You can attach URLs to TUs in the following apps:

- [Run Outbound Process - Transportation Unit](#)
- [Warehouse Management Monitor](#), under ► [Outbound](#) ► [Documents](#) ► [Shipping Overview](#) ► [Transportation Unit Overview Outbound](#) ► [Transportation Unit Header Outbound](#) ►
- [Warehouse Management Monitor](#), under ► [Inbound](#) ► [Documents](#) ► [Receiving Overview](#) ► [Transportation Unit Overview Inbound](#) ► [Transportation Unit Header Inbound](#) ►

You can attach URLs to inbound deliveries in the following apps:

- [Change Inbound Deliveries - Deliveries](#)
- [Change Inbound Deliveries - Production](#)
- [Warehouse Monitor](#), nodes ► [Inbound](#) ► [Documents](#) ► [Inbound Delivery](#) ►

You can attach URLs to outbound delivery orders in the following apps:

- [Run Outbound Process - Deliveries](#)
- [Run Outbound Process - Production](#)
- [Warehouse Monitor](#), nodes ► [Outbound](#) ► [Documents](#) ► [Outbound Delivery Order](#) ►

Effects on Existing Data

If you want to use attachments to handling units that were created in a lower release than SAP S/4HANA 2021, you must migrate the handling units using the migration report `/SCWM/R_GEN_MISS_GUID_HU_EXT`. Further information can be found in the system documentation for this report.

Effects on Customizing

Attachments to HUs

If you activated the SAP Best Practices in SAP S/4HANA 2020, you must define a new document type for attachments to handling units.

URLs as Attachments

To improve security, URLs that are attached to business objects must comply with the HTTP allowlist, which can be configured in transaction `UCONCOCKPIT`.

Related Information

[Manage HTTP Allowlists Attachments](#)

11.3.13 CDS Views for Storage Bins

With this feature, you can view some aggregated data relevant to storage bins. For example, the following data is available:

- The number of storage bins that are empty, utilized, or full
- The utilization of storage bins in terms of their weight, volume, or capacity
- The number of storage bins that are blocked, and the reasons for being blocked

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-MD (<i>Master Data</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

You can find all CDS views that are available for Extended Warehouse Management in [CDS Views for Extended Warehouse Management](#).

Related Information

[Storage Bin - Cube](#)

11.3.14 Notifying SAP Warehouse Insights of Resource Changes

With this feature, you can send notifications to SAP Warehouse Insights about changes to resources in Extended Warehouse Management (EWM). The notifications include the logical system of the changed resources, the change code, the warehouse number, and the timestamp of the change, for example.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-IF (Interfaces)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

- Implement [BAdI: Notifying SAP Warehouse Insights of Resource Changes](#) (/SCWM/EX_RSRC_CHANGED) to enable the notifications.
- To activate the integration with SAP Warehouse Insights, go to the Customizing activity [Enable SAP Warehouse Insights Integration](#) in the Customizing for [Extended Warehouse Management](#) under [► Interfaces ► SAP Warehouse Insights Integration ►](#).

11.3.15 Migration Objects for Scenario 'SAP EWM to Decentralized EWM'

With this feature, you can migrate data for a set of migration objects that belong to the [SAP EWM to decentralized EWM](#) scenario that is available in the SAP S/4HANA migration cockpit.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-MD (Master Data)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following migration objects are available:

- [Miscellaneous EWM master data settings](#)
- [RFID settings](#)
- [Sample-drawing procedure](#)
- [Wave templates](#)

Related Information

[Migrate Data Directly from SAP System](#)
[Available Migration Objects](#)

11.3.16 MES-Driven Staging

With this feature, you can use MES-driven staging to create detailed plans for fulfilling staging requirements for a manufacturing order, if you've integrated your SAP S/4HANA system with a manufacturing execution system (MES). The plans are represented by a document from the MES, the staging request, which is mapped to a warehouse request of the internal stock transfer type in Extended Warehouse Management (EWM).

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	Not applicable
Application Component	SCM-EWM-IF (Interfaces), SCM-EWM-MON (Monitoring)
Valid as Of	SAP S/4HANA 2021

Additional Details

EWM uses a staging report to check the capacity of the bin at the production supply area (PSA) and to create reasonable numbers of staging warehouse tasks. These staging warehouse tasks can be organized, for example, by applying process-oriented storage control (POSC) or waves.

The staging process is transparent from beginning to end. It's possible to see the status of the staging process in both EWM and the MES. For example, you can see whether a staging request is being planned or has already been executed, or what quantity of a component is requested, in-transit, or staged.

During the MES-driven staging process, you can monitor the status of warehouse processes and communication between EWM and the MES in the warehouse management monitor. In the node ► [Tools](#) ► [SOAP Message](#) ►, you can monitor incoming and outgoing SOAP messages.

Effects on Existing Data

In the [Assign Bin to PSA - Warehouse](#) app, you can perform the following actions relevant to MES-driven staging:

- Choose whether a staging process for a product is requested by an MES or not using the [Relevant to Manufacturing Execution System](#) checkbox.
- Use the staging methods [Single-Order Staging with Warehouse Request](#) and [Cross-Order Staging](#) for MES-driven staging.

Effects on Customizing

You can use the following new Customizing activities relevant to MES-driven staging:

- [Define Warehouse Number-Dependent Settings](#) in Customizing for [Extended Warehouse Management](#) under ► [Interfaces](#) ► [MES Integration](#) ►.
- In Customizing for [Extended Warehouse Management](#) under ► [Internal Warehouse Processes](#) ► [Delivery Processing](#) ► [Stock Transfers](#) ► [Warehouse Request for MES-Driven Staging](#) ►:
 - [Define Document and Item Type Determination for MES-Driven Staging](#)
 - [Determine Warehouse Process Type for MES-Driven Staging](#)
 - [Define Access Sequence for Warehouse Process Type Determination](#)

You can use the following new Business Add-In (BAIs) relevant to MES-driven staging in Customizing for *Extended Warehouse Management* under ► *Business Add-Ins (BAIs) for Extended Warehouse Management* ► *MES Integration* ⌵:

- *BAI: Notifying MES of Stock Posting*
- *BAI: Mapping of Staging Methods*
- *BAI: Mapping of Warehouse Requests*
- *BAI: Mapping of Warehouse Request Status*
- *BAI: Mapping of Stock Changes*
- *BAI: Mapping of Document Type and Item Type*

Related Information

[MES-Driven Staging](#)
[MES-Driven Staging in the Warehouse Management Monitor](#)

11.3.17 Authorization Object for Input Helps

With this feature, you must explicitly authorize users in order for them to see the search results for a specific warehouse number in the input help for Extended Warehouse Management (EWM) apps.

Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	1FS (Basic Warehouse Inbound Processing from Supplier)
	1FU (Initial Stock Upload for Warehouse)
	1FW (Physical Inventory in Warehouse)
	1FY (Replenishment in Warehouse)
	1G0 (Scrapping in Warehouse)
	1G2 (Basic Warehouse Outbound Processing to Customer)
	1V5 (Warehouse Inbound Processing from Supplier with Batch Management)
	1V7 (Batch Management in Outbound Processing)
	1V9 (Basic Warehouse Inbound Processing from Supplier with Quality Management)
	1VB (Production Integration - Component Consumption and Receipt in Warehouse)
	1VD (Advanced Warehouse Outbound Processing to Customer)
	4RO (Decentralized EWM - Inbound Processing)
	4RP (Decentralized EWM - Outbound Processing)
	4RQ (Decentralized EWM - Ad Hoc Goods Issue)
	4RR (Decentralized EWM - Physical Inventory)
	4RS (Decentralized EWM - Replenishment)
	4UA (Decentralized EWM - Technical Integration ERP)
Application Component	SCM-EWM-AUT (Authorization)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

An authorization check has been added to the input helps for EWM apps to ensure that only authorized users can see data for a given warehouse. You must add the authorization object /SCWM/WHF4 to all customer roles that include EWM apps.

For more information about updating the roles with the new authorization object, see Consulting Note [3070678](#)



Related Information

[Checking for Changes in Authorizations After Upgrades](#)

11.3.18 Enhancements to the Load or Unload Freight Orders App

With this feature, you can view and update the actual quantity in the delivery, view the container unit in the hierarchy of the delivery, see the aggregated gross weight and gross volume, and call up detailed error logs for failed goods movements.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-SR (<i>Shipping and Receiving</i>)
Valid as Of	SAP S/4HANA 2021

11.3.19 Perform Physical Inventory on Production Supply Areas

With this feature, you can perform accurate physical inventory on production supply areas (PSAs), where the amount of stock is constantly changing.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1FW (Physical Inventory in Warehouse)
Application Component	SCM-EWM-PI (<i>Physical Inventory</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

When a production worker takes products from a PSA, goods issue posting is often done later as a backflush. To deal with the difference between the stock quantity on the PSA and the quantity in the system, you can link the physical inventory document to a production order using a count reference. The system updates the numbers from the physical inventory count with the goods issue information from the production order.

Effects on Customizing

You can make it mandatory to enter a count reference for all physical inventory counts done for a specific reason, in Customizing for Extended Warehouse Management under ► [Internal Warehouse Processes](#) ► [Physical Inventory](#) ► [Warehouse-Number-Specific Settings](#) ► [Reason and Priority](#) ► [Define Reason for Physical Inventory](#) ►.

11.3.20 Deprecate and Successor CDS Views

With this feature, you can find some deprecated and successor CDS views. You can't create new content based on deprecated CDS views (for example, creating a new custom analytical query based on a deprecated SAP cube view). We recommend that you switch to the successor CDS views as soon as possible.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-DLP (Delivery Processing), SCM-EWM-WOP (Warehouse Order Processing)
Valid as Of	SAP S/4HANA 2021

Additional Details

Deprecated and Successor CDS Views: Master Data

Deprecated CDS View	Successor CDS View	CDS View Title
I_EWM_ActivityArea	I_EWM_ActivityArea_2	Activity Area
I_EWM_ActivityAreaText	I_EWM_ActivityAreaText_2	Activity Area - Text
I_EWM_MnsOfTranspType	I_EWM_MnsOfTranspType_2	Means of Transport Type
I_EWM_MnsOfTranspTypeText	I_EWM_MnsOfTranspTypeText_2	Means of Transport Type - Text
I_EWM_StorageBinType	I_EWM_StorageBinType_2	Storage Bin Type
I_EWM_StorageBinTypeText	I_EWM_StorageBinTypeText_2	Storage Bin Type - Text
I_EWM_StorageSection	I_EWM_StorageSection_2	Storage Section
I_EWM_StorageSectionText	I_EWM_StorageSectionText_2	Storage Section - Text
I_EWM_StorageType	I_EWM_StorageType_2	Storage Type
I_EWM_StorageTypeText	I_EWM_StorageTypeText_2	Storage Type - Text
I_EWM_StockType	I_EWM_StockType_2	Stock Type
I_EWM_StockTypeText	I_EWM_StockTypeText_2	Stock Type - Text
I_EWM_WarehouseNumber	I_EWM_WarehouseNumber_2	Warehouse Number
I_EWM_WarehouseNumberText	I_EWM_WarehouseNumberText_2	Warehouse Number - Text

Deprecated and Successor CDS Views: Deliveries

Deprecated CDS View	Successor CDS View	CDS View Title
I_EWM_DeliveryCategory	I_EWM_DeliveryCategory_2	Delivery Category
I_EWM_DeliveryItemCategory	I_EWM_DeliveryItemCategory_2	Delivery Item Category
I_EWM_DeliveryItemType	I_EWM_DeliveryItemType_2	Delivery Item Type
I_EWM_DeliveryItemTypeText	I_EWM_DeliveryItemTypeText_2	Delivery Item Type - Text
I_EWM_DeliveryType	I_EWM_DeliveryType_2	Delivery Type
I_EWM_DeliveryTypeText	I_EWM_DeliveryTypeText_2	Delivery Type - Text
I_EWM_InboundDeliveryItemC	I_EWM_InbDeliveryItemC_2	Inbound Delivery Item - Cube
C_EWM_InboundDeliveryItemQ	C_EWM_InbDelivItemQ_2	Inbound Delivery Item - Query
I_EWM_InboundDeliveryType	I_EWM_InboundDeliveryType_2	Inbound Delivery Type
I_EWM_OutbDelivOrdC	I_EWM_OutbDelivOrdC_2	Outbound Delivery Order - Cube
I_EWM_OutBoundDelivOrderType	I_EWM_OutBoundDelivOrderType_2	Outbound Delivery Order Type
C_EWM_OutbDelivOrdQ	C_EWM_OutbDelivOrdQ_2	Outbound Delivery Order with Specific Dates - Query
C_EWM_OutbDelivOrdNoDateQ	C_EWM_ODONoDateQ_2	Outbound Delivery Order with Offset Days - Query
C_EWM_OutbDelivOrdNoParamQ	C_EWM_ODONoParamQ_2	Outbound Delivery Order Without Mandatory Parameters - Query

Deprecated CDS View	Successor CDS View	CDS View Title
I_EWM_OutbDelivOrdNoParamC	I_EWM_ODONoParamC_2	Outbound Delivery Order Without Mandatory Parameters - Cube

Deprecated and Successor CDS Views: Cross Processes

Deprecated CDS View	Successor CDS View	CDS View Title
I_EWM_ExceptionCode	I_EWM_ExceptionCode_2	Exception Code
I_EWM_ExceptionCodeText	I_EWM_ExceptionCodeText_2	Exception Code - Text
I_EWM_WarehouseTask	I_EWM_WarehouseTask_2	Open and Confirmed Warehouse Tasks
I_EWM_ExecutionResource	I_EWM_ExecutionResource_2	Resource
I_EWM_ResourceGroup	I_EWM_ResourceGroup_2	Resource Group
I_EWM_ResourceGroupText	I_EWM_ResourceGroupText_2	Resource Group - Text
I_EWM_ResourceType	I_EWM_ResourceType_2	Resource Type
I_EWM_ResourceTypeText	I_EWM_ResourceTypeText_2	Resource Type - Text
I_EWM_StorageProcess	I_EWM_StorageProcess_2	Storage Process
I_EWM_StorageProcessText	I_EWM_StorageProcessText_2	Storage Process - Text
I_EWM_WarehouseActivity	I_EWM_WarehouseActivity_2	Warehouse Activity
I_EWM_WarehouseActivityText	I_EWM_WarehouseActivityText_2	Warehouse Activity - Text
I_EWM_WhseOrderCtnRule	I_EWM_WhseOrderCtnRule_2	Warehouse Order Creation Rule
I_EWM_WhseOrderCtnRuleText	I_EWM_WhseOrderCtnRuleText_2	Warehouse Order Creation Rule - Text
I_EWM_WhseOrderCube	I_EWM_WhseOrderCube_2	Warehouse Order - Cube
C_EWM_WarehouseOrderQ	C_EWM_WarehouseOrderQ_2	Warehouse Order - Query
I_EWM_WarehouseOrderQueue	I_EWM_WarehouseOrderQueue_2	Warehouse Order Queue
I_EWM_WarehouseOrderQueueText	I_EWM_WhseOrderQueueText_2	Warehouse Order Queue - Text
I_EWM_WrhsProcType	I_EWM_WrhsProcType_2	Warehouse Process Type
I_EWM_WrhsProcTypeText	I_EWM_WrhsProcTypeText_2	Warehouse Process Type - Text
C_EWM_WarehouseTaskQ	C_EWM_WarehouseTaskQ_2	Warehouse Task - Query
I_EWM_WhseTaskItemCube	I_EWM_WhseTaskItemCube_2	Warehouse Task Item - Cube

Deprecated and Successor CDS Views: Goods Issue

Deprecated CDS View	Successor CDS View	CDS View Title
I_EWM_WarehouseWaveC	I_EWM_WarehouseWaveC_2	Warehouse Wave - Cube
I_EWM_WaveCategory	I_EWM_WaveCategory_2	Warehouse Wave Category
C_EWM_WarehouseWaveQ	C_EWM_WarehouseWaveQ_2	Wave - Query
I_EWM_WaveType	I_EWM_WaveType_2	Warehouse Wave Type
I_EWM_WaveTypeText	I_EWM_WaveTypeText_2	Warehouse Wave Type - Text

11.3.21 Display Warehouse Documents

You can use the Display Warehouse Documents app to select and display warehouse documents. A warehouse document contains all information about a goods movement, for example, goods receipt or goods issue posting.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-FIO (Fiori UI for Extended Warehouse Management)
Valid as Of	SAP S/4HANA 2021

11.3.22 Block Bulk Bins from Putaway

With this app, you can block the putting away of goods to storage bins in bulk storage area. You can use the app to block the bins immediately, or schedule it to run on a recurring basis. You can monitor the bin blocking jobs. If you have activities that you often do at a specific time, this app can reduce your workload by running these jobs smoothly in the background.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1FS (Basic Warehouse Inbound Processing from Supplier), 1VB (Production Integration - Component Consumption and Receipt in Warehouse)
Application Component	SCM-EWM-WOP (Warehouse Order Processing)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

You can schedule this app to run at regular intervals as a background job, or schedule it to run once at a planned time in the future.

11.3.23 Enhancements to Synchronous Goods Movement

With this feature, you can post goods movements for unpacked products directly into the warehouse from the [Post Goods Receipt for Purchasing Document](#) and [Post Goods Receipt for Production Order](#) apps. You can also allow the system to determine packing instructions in the [Post Goods Movement](#) app based on more criteria than before.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-GM-GRI (Goods Receipt and Goods Issue), SCM-BAS-PAK-HU (Handling Units)
Valid as Of	SAP S/4HANA 2021

Additional Details

For synchronous goods movements using the [Post Goods Movement](#) app, you can already post goods receipts for production and external procurement. The goods receipt can be posted for either unpacked or packed products. In the case of goods receipt for packed products, the system can create the handling units (HUs) based on packaging proposals determined by the unified package builder based on criteria like vendor and material. With this release, if you are using the packing instruction as the unified package building engine, you can also determine the packing instructions based on the receiving plant, the warehouse number, the reference material, and the standard HU type.

11.3.24 Enhancements to Stock Transfer for JIT Call

With this feature, you can stage products to a production supply area that is managed by the Inventory Management (MM-IM) application component for the stock transfer for JIT call process. You can redetermine

the warehouse process type for stock transfer items, if necessary, and you can block stock transfer items for planning activities. You can also process exceptions that occur using pick denial or bin denial for stock transfer items, and you can cancel or reverse picking warehouse tasks.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-WOP (Work Order Processing)
Valid as Of	SAP S/4HANA 2021

Additional Details

Pick Denial and Bin Denial

If pick denial is triggered during picking preparation for stock transfer items that are assigned to a wave, you can configure your system to remove the stock transfer items from the assigned wave. This allows picking to be replanned for the stock transfer items, which can be assigned to different wave.

If you have to execute a bin denial during picking, you can configure the wave template for the system to remove the item from the wave, without reassigning the item.

Stock Transfer for JIT Call in the Warehouse Management Monitor

The warehouse management monitor has also been enhanced to enable the new functions for stock transfer for JIT call.

The following nodes have been added to the standard SAP monitor under the node [▶ Outbound ▶ Documents ▶ Stock Transfer for JIT Call ▶](#):

- [▶ Wave ▶ Warehouse Order ▶](#)
- [▶ Wave ▶ Warehouse Task ▶](#)
- [Warehouse Order](#)
- [JIT Handling Unit](#) - From this node, you can drill down into picked stock.

The following monitor methods have been added:

Monitor Method	Use
Block for Warehouse Planning	Block planning activities for stock transfer items.

Monitor Method	Use
Unblock Warehouse Planning	Unblock planning activities for stock transfer items.
Redetermine Warehouse Proc. Typ.	Redetermine the warehouse process type for one or more selected stock transfer items for a JIT call.
	<div> i Note You can perform this method only if the Planning of Warehouse Activity status of the selected item is <i>Not Started</i> and if the item isn't locked. </div>
Cancel Pick WT	Cancel all open picking warehouse tasks for the selected stock transfer items.
Remove JIT Call Reference	Remove the assignment of a JIT reference document to the stock.
Remove JIT-Ref + Create WT(BG)	Remove the assignment of a JIT reference document to the stock and create a putaway warehouse task for the picked stock in the background.
Remove JIT-Ref + Create WT(FG)	Remove the assignment of a JIT reference document to the stock and create an ad hoc HU warehouse task for the picked stock for putaway.
	<div> i Note You can perform this method only if there are no open warehouse tasks for this handling unit. </div>

For more information, see [Enhancements to the Warehouse Management Monitor \[page 942\]](#).

Related Information

[Stock Transfer for JIT Call](#)
[Stock Transfer for JIT Call in the Warehouse Management Monitor](#)
[Exception Situations](#)
[Pick Denial](#)
[Wave Template](#)

11.3.25 Stock Consolidation: Different Batches Within a Date Tolerance Interval

Stock consolidation allows you to form full stock-keeping quantities from partial quantities of stock. With this feature, you can consolidate stock of the same material but with different batch numbers within a given date tolerance interval.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-WOP (Work Order Processing)
Valid as Of	SAP S/4HANA 2021

Additional Details

You select the batch criteria that you want to match, and then you get proposals of partial stock to consolidate.

In addition to the batch criteria for consolidating different batches, you can also set a date tolerance interval for the following selection criteria:

- Expiration date
- Manufacturing date
- Next date of inspection

Application Log

The application log for the [Consolidate Stock](#) app has been enhanced with a tree structure to make it easier to follow the logic of the stock grouping and the generation of the warehouse task proposals.

Related Information

[Consolidation of Different Batches](#)

11.3.26 Plant Maintenance Supply

With this feature, you can manage the material components that you need for plant maintenance with Extended Warehouse Management (EWM). You also have full transparency throughout the maintenance process.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-DLP-SF (<i>Specific Process Functions</i>), SCM-EWM-DLP-UI (<i>User Interface</i>), SCM-EWM-IF-ERP (<i>Interface ERP</i>), SCM-EWM-WOP (<i>Work Order Processing</i>), SCM-EWM-MON (<i>Monitoring</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The material components that are requested are staged from an EWM-managed storage location via an outbound delivery order. The outbound delivery order now contains a reference to the maintenance order (PM order) and to the reservation document.

The staging area can be determined based on the recipient location that is entered in the PM order. EWM uses different methods to retrieve the recipient location from the PM order, depending on whether you are using EWM embedded in SAP S/4HANA or decentralized EWM based on SAP S/4HANA.

Related Information

[Plant Maintenance Supply](#)

11.3.27 Enhancements to Warehouse Management

With this feature, you can use several enhancements to Warehouse Management.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1FW (Physical Inventory in Warehouse), 1G2 (Basic Warehouse Outbound Processing to Customer)
Application Component	SCM-EWM-GM-GRI (Goods Receipt and Goods Issue), SCM-EWM-ANA (Analytic Functions), SCM-EWM-PI (Physical Inventory), SCM-EWM-FIO (FIORI UI for Extended Warehouse Management)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following enhancements are available:

- In the [Pack Handling Units](#) app, you can resize the split screen and the system then uses this new screen layout the next time you open the app.
- In the [Warehouse KPIs - Operations](#) app, you can navigate from the outbound delivery order in the drill-down page directly to the [Run Outbound Process - Deliveries](#) app.
- In the [Count Physical Inventory](#) app, you can assign ranges of serial numbers to physical inventory items.
- In the [Pack Outbound Deliveries](#) and [Pack Warehouse Stock](#) apps, you can pack products based on the sales order or project.

11.4 Delivery and Transportation

11.4.1 Delivery Management

11.4.1.1 Delivery Due Index

This CDS view allows you to extract details of sales documents with items that are still due for delivery.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9
Application Component	LE_SHP (<i>Logistics Execution</i>)
Available As Of	SAP S/4HANA Cloud 2108

Related Information

[Delivery Due Index](#)

11.4.1.2 Correction of Error Caused by Unusable FLP Content

The FLP content and corresponding technical catalog for the app *Plant Management Overview* was mistakenly shipped with SAP S/4HANA 2020. This FLP content isn't usable and was therefore deleted.

Technical Details

Type	Deleted
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LE-SHP-DL (<i>Delivery Processing</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[SAP Note 3083230](#) 

11.4.1.3 SAP BW Extraction Enhancements

The [Delivery Document](#) and [Delivery Document Item](#) CDS views now use the [Delta](#) SAP BW Extraction type. Previously, all BW data was extracted. Now, only changed BW data is extracted. This enhancement improves the performance of the BW extraction process.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9 2TX BDD BME BJ5 BJH
Application Component	LE_SHP (Logistics Execution)
Available As Of	SAP S/4HANA Cloud 2108

Related Information

[Delivery Document](#)
[Delivery Document Item](#)

11.4.1.4 Simplified Name of Customizing Activity Define Parameter Catalog Entries for Flexible Delivery Document Numbering

With the current release, the name of the Customizing activity [Define Parameter Catalog Entries for Flexible Delivery Document Numbering](#) has been shortened to [Define Parameter Catalog for Flexible Delivery Document Numbering](#) for clarity and consistency. You can find this activity in Customizing under [Logistics and Execution](#) [Shipping](#) [Basic Shipping Functions](#) [Configurable Parameters and Formulas in Shipping](#).

The functionality of the Customizing activity remains unchanged.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	LE-SHP-GF (<i>Basic Functions</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Flexible Delivery Document Numbering](#)

11.4.1.5 Outbound Delivery Events


The following events have been added for outbound deliveries:

- Picking Status Changed
- Packing Status Changed
- Goods Issue Status Changed
- Delivery Block Changed

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9
Application Component	LE-SHP-API (<i>Delivery Management APIs</i>)
Available As Of	SAP S/4HANA On-Premise 2021

Additional Details

This event is available on the SAP API Business Hub (<https://api.sap.com/>.

Related Information

[Outbound Delivery Events](#)

11.4.1.6 SOAP API: Outbound Delivery – Notify (B2B)

The following fields have been added to the Delivery node of the API:

- ShippingPointAddress (New)
 - AddressName (New)
 - AddressAdditionalName (New)
 - StreetName (New)
 - HouseNumber (New)
 - PostalCode (New)
 - CityName (New)
 - Country (New)
 - District (New)
 - Region (New)
 - PhoneNumber (New)
 - FaxNumber (New)
 - CorrespondenceLanguage (New)
- DeliveryItem (Existing Subnode)
 - DeliveryCategory (New)
 - DocCategoryPrecedingDocumentCategory (New)

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	BD9
	5I2
	2EL
	4A1
Application Component	LE-SHP-API (<i>Delivery Management APIs</i>)
Available As Of	SAP S/4HANA On-Premise 2021

Related Information

[Outbound Delivery - Notify \(B2B\)](#)

11.4.1.7 Worklist: POD Subsequent Processing

For shipping specialists, the transaction Worklist: POD Subsequent Processing (`VLP0DF`) is accessible from the Fiori Launchpad as a tile.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9
Application Component	LE-SHP-GF (<i>Logistics Execution General Functions</i>)
Available As Of	SAP S/4HANA On-Premise 2021

11.4.1.8 SOAP API: Inbound Delivery – Create (B2B)

The Inbound Delivery – Create (B2B) API contains a new sub node for subcontracting components. The subnode is located at ► [DeliveryRequest_In - Delivery](#) ► [DeliveryRequest_In - DeliveryItem](#) ► [DeliveryRequest_In - SubcontractingComponents](#) ►.

Technical Details

Type	Changed
Functional Localization	Not Applicable
Scope Item	2TX 5I2 2EJ 42K
Application Component	LE-SHP-API (<i>Delivery Management APIs</i>)
Available As Of	SAP S/4HANA On-Premise 2021

Related Information

[Delivery Due Index \[page 971\]](#)

11.4.1.9 Data Management in Delivery Management

Here's the information about new data management objects delivered for Delivery Management.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock) 2TX (Direct Procurement with Inbound Delivery)
Application Component	LO-SPM-X (<i>Cross-Application Topics</i>)
Available As Of	SAP S/4HANA Cloud 2108

Additional Details

Name of Data Management Object	Object Type	Changes with This Release	Details	More Information
LE_SHP_ANALYSIS_DESTRUCTION	Data Destruction Object	New data destruction object added.	You can use this object to destroy analysis data files that were previously saved with transaction /SPE/DELTA01.	Destroying Analysis Data Files Using LE_SHP_ANALYSIS_DESTRUCTION

11.4.1.10 Change Outbound Delivery - Special Exceptions 3rd Party Warehouse

With the new [Change Outbound Delivery - Special Exceptions 3rd Party Warehouse](#) app, you can change an outbound delivery corresponding to a warehouse number in a connected third-party logistics service provider's system or a connected decentralized warehouse management system. You use this app only in exceptional cases so that you can change an outbound delivery after canceling a goods issue for this delivery with the [Reverse Goods Movement – Special Exceptions 3rd Party Warehouse](#) app.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4RQ (Decentralized EWM - Ad Hoc Goods Issue)
Application Component	LE-IDW-CEN (Central Processing)
Valid as Of	SAP S/4HANA 2021

Additional Details

Please note that changes to delivery data made with this app (quantity, material number, batch, serial number) are not automatically transferred to the connected system and can cause inconsistencies between stock data in S/4HANA and the connected system. These inconsistencies must be manually resolved in the connected system.

11.4.1.11 Reverse Goods Movement – Special Exceptions 3rd Party Warehouse

With the new [Reverse Goods Movement – Special Exceptions 3rd Party Warehouse](#) app, you can cancel a goods issue for an outbound delivery which was originally processed by a connected third-party logistics service provider's system or a connected decentralized warehouse management system.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4RQ (Decentralized EWM - Ad Hoc Goods Issue)
Application Component	LE-IDW-CEN (Central Processing)
Valid as Of	SAP S/4HANA 2021

Additional Details

You use this app only in exceptional cases so that you can perform corrections on an outbound delivery and post the goods issue again with the updated information using the [Change Outbound Delivery – Special Exceptions 3rd Party Warehouse](#) app.

11.4.1.12 Deprecation of ProfitabilitySegment in CDS Views for Delivery Management

The field `ProfitabilitySegment` was deprecated with SAP S/4HANA 2021 and will be replaced with the field `ProfitabilitySegment_2`. We recommend that you switch to the field `ProfitabilitySegment_2` as soon as possible.

Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	Not applicable
Application Component	LE-SHP-GF (<i>Basic Functions</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

- The field `ProfitabilitySegment_2` is a character field (CHAR), while the field `ProfitabilitySegment` is a numeric character field (NUMC). The field lengths are the same.
- If no profitability segment is assigned to the field `ProfitabilitySegment_2`, there may be entries with a space (new entries), entries with 0000000000 (old entries), or both. When you switch to the field `ProfitabilitySegment_2`, you must adapt your code that checks whether the field is empty (that is, a space or 0000000000).
- The field `ProfitabilitySegment_2` will contain non-numeric characters (that is, characters from A to Z) after the system reaches the highest numerical value.

The following table shows the affected CDS views and their related apps:

Affected CDS Views and Apps

CDS View	Related App	Application Component
<i>Delivery Document Item</i> (I_DeliveryDocumentItem)	Not applicable	LE-SHP-GF (<i>Basic Functions</i>)
<i>Outbound Delivery Document Item</i> (I_OutboundDeliveryItem)	Not applicable	
<i>Inbound Delivery Document Item</i> (I_InboundDeliveryItem)	Not applicable	
<i>Customer Returns Delivery Document Item</i> (I_CustomerReturnDeliveryItem)	Not applicable	

Related Information

[Deprecated and Decommissioned CDS Views](#)

[Deprecation of ProfitabilitySegment in CDS Views \[page 1108\]](#)

11.4.1.13 Advanced Shipping and Receiving

Delivery Management is integrated with Transportation Management as part of the Advanced Shipping and Receiving process.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock) 2TX (Direct Procurement with Inbound Delivery)
Application Component	LE-SHP-DL (<i>Delivery Processing</i>) LE-SHP-DL-LA (<i>Inbound Delivery</i>)
Valid as Of	SAP S/4HANA 2021

Effects on Existing Data

Existing data is unaffected.

Effects on Data Transfer

Certain data is transferred between Transportation Management documents and Delivery Management documents to ensure consistency during the process. This requires changes to how data is sent to external systems in Delivery Management. For details, see the related links.

Related Information

[Integration with Advanced Shipping and Receiving](#)
[Enhancements for Advanced Shipping and Receiving \[page 1003\]](#)

11.4.2 Transportation Management

11.4.2.1 Enhancements for the Transportation Network

With this feature, you can indicate the validity of geographical data and define speed profiles.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-MD-TN (Transportation Network)
Available As Of	SAP S/4HANA 2021

Additional Details

- You can indicate the validity of geographical data such as distances and durations or coordinates for your geographical information system (GIS) providers. The validity specifies the number of days that geographical data from each provider is stored in the system before it is automatically deleted and redetermined (see "Effects on Customizing").
- You can define number range intervals for speed profiles. This is a prerequisite for the buffering of distances and durations (see "Effects on Customizing").
For more information, see [Settings for Distance and Duration Determination](#).

Effects on Customizing

- A new Customizing activity for defining GIS providers has been added. For more information, see Customizing for Transportation Management under ► [Master Data](#) ► [Transportation Network](#) ► [Transportation Lane](#) ► [Distance and Duration Determination](#) ► [Define GIS Providers](#) ►.
- A new Customizing activity for defining number range intervals for speed profiles has been added. For more information, see Customizing for Transportation Management under ► [Master Data](#) ► [Transportation Network](#) ► [Transportation Lane](#) ► [Distance and Duration Determination](#) ► [Define Number Range Intervals for Speed Profiles](#) ►.

Related Information

[Settings for Distance and Duration Determination](#)

11.4.2.2 Manage Freight Agreement RFQ Masters

With this feature, you as a shipper can use the new app [Manage Freight Agreement RFQ Masters](#) to work with freight agreement request for quotation (RFQ) masters to request quotations from your carriers for transportation services.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-FRA-FRQ (Freight Agreement Request for Quotation)
Available As Of	SAP S/4HANA 2021

Additional Details

You can request transportation services from your carriers by using the [Manage Freight Agreement RFQ Masters](#) app to create freight agreement RFQ masters. This app displays all existing freight agreement RFQ masters regardless of their status in the strategic freight procurement process. You can create or display freight agreement RFQ masters.

Related Information

[Freight Agreement RFQ Master](#)

11.4.2.3 Attachments in Freight Agreement Requests for Quotation

With this feature, you as a shipper can allow your carriers to view and download attachments in freight agreement requests for quotation (RFQs).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-FRA-FRQ (<i>Freight Agreement Request for Quotation</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

You have a new attachment schema that is configured to use the Attachment Service. This schema allows you to attach files and attachment URLs in a freight agreement RFQ.

Effects on Customizing

You assign the attachment schema in Customizing for *Transportation Management* under ► *Master Data* ► *Agreement RFQs and Quotations* ► *Define Freight Agreement RFQ Types* ►.

Related Information

[Working with Attachments](#)
[Management of Quotations for Transportation Services](#)

11.4.2.4 Notes in Freight Agreement Requests for Quotation

With this feature, you as a shipper can allow your carriers to view and add notes in freight agreement requests for quotation (RFQs).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-FRA-FRQ (Freight Agreement Request for Quotation)
Available As Of	SAP S/4HANA 2021

Additional Details

Assign a carrier text type when defining a freight agreement RFQ type to allow your carriers to add notes in freight agreement RFQs.

Effects on Customizing

You assign the carrier text type in Customizing for [Transportation Management](#) under ► [Master Data](#) ► [Agreement RFQs and Quotations](#) ► [Define Freight Agreement RFQ Types](#) ►.

Related Information

[Management of Quotations for Transportation Services](#)

11.4.2.5 Manage Freight RFQs

With this feature, you as a shipper can enable your carriers to use the new app [Manage Freight RFQs](#) to manage and respond to your freight requests for quotation (RFQs) that you send using the freight RFQ tendering process.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-FRM-FRT (<i>Freight Tendering</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The carrier can use the app to view the freight RFQs that you, as a shipper, have sent to them, and can list the freight RFQs that are open, closed, and responded to. The carrier can review the details of a freight RFQ and can respond by accepting or rejecting the freight RFQ.

Related Information

[Order Management](#)
[Freight Request for Quotation](#)

11.4.2.6 Advanced RFQs

With this feature, you as a shipper can work with the improved usability and features of freight agreement requests for quotation (RFQs).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-FRA-RFQ (<i>Freight Agreement Request for Quotation</i>)

Additional Details

With advanced RFQs, you have the following features:

- New Web Dynpro application configuration /SCMTMS/TCM_EFA_RFQ_ADV so you can work with advanced freight agreement RFQ masters
- The option to maintain only one purchasing organization in freight agreement RFQ masters (selected by default)
- The option to create only one RFQ item in freight agreement RFQ masters (selected by default)
- Maintaining trade lanes for freight agreement RFQ items is now optional when publishing freight agreement RFQ masters.
- Capacity details can be specified using the quantity dimension

Effects on Customizing

You select the option to work with advanced RFQs in Customizing for *Transportation Management* under **► Master Data ► Agreement RFQs and Quotations ► Define Freight Agreement RFQ Types ►**. In this Customizing activity, you can assign the new Web Dynpro application configuration to the freight agreement RFQ type.

Related Information

[Advanced RFQs](#)
[Freight Agreement RFQ Master](#)

11.4.2.7 Display Freight Quotations

With this feature, you as a shipper can enable your carriers to use the new *Display Freight Quotations* app to view all the freight quotations they have submitted.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-FRM-FRT (<i>Freight Tendering</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The carrier can use the app to view all freight quotations and list the freight quotations that are pending, rejected, or awarded by you, as the shipper. The carrier can choose a freight quotation to view more details about transportation stops and items.

Related Information

[Order Management](#)
[Freight Quotation](#)

11.4.2.8 Enhancements for Freight Order Management

With this feature, several functions of Freight Order Management in Transportation Management (TM) have been enhanced.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-FRM (<i>Freight Order Management</i>)

Additional Details

Creating Freight Orders or Consignment Orders with New Document Type

You can copy an existing freight order or consignment order and enter a different freight order type or consignment order type for the new document that is created. This is useful if you want to copy certain attributes of an existing document into a new one. For more information, see [Creation and Editing of Freight Orders](#) and [Creation and Editing of a Consignment Order](#).

This feature is also available in SAP S/4HANA 2020 SP03.

Display Topmost Items

If you have a complex item hierarchy in a business document, you may need to display only certain items of the hierarchy instead of the whole hierarchy. For example, you have a hierarchy with nested packages, consignment orders with packages and products, and packages taken over from a predecessor document. On the [Items](#) and [Overview](#) tab pages, you can choose to display only the topmost item of an item category, such as a package or product, in the hierarchy, or the topmost item for each business document.

Customs Processes

The customs reference number is used during the transportation process to provide customs-relevant information. The system verifies the customs reference number in the business documents. For more information, see [Example Checks to Find Errors in Business Documents](#).

Effects on Existing Data

Creating Freight Orders or Consignment Orders with New Document Type

The [Copy with New Document Type](#) option has been added to the [Other Copy Options](#) menu in the freight order and consignment order.

Customs Processes

The [Customs](#) tab page has been added to the consignment order. It has been added to the details part of the consignment order level in the item hierarchy. You can display information related to, for example, the previous document and the customs reference number.

In the freight unit, the [Indicator of Legal Control License](#) field has been added under the [General Data](#) tab page. It indicates whether an item requires a separate export license. A freight unit can only have items with the same legal control license indicator.

Effects on Customizing

Capacity Reservation

For ocean transportation processes, you may need to reserve capacity with a carrier before the planning is done. You can see the reserved capacity in the [Cargo Management](#) hierarchy on the [Items](#) tab page or on the [Overview](#) tab page of the document. As a prerequisite, you must create a new entry and configure this in the Customizing for the [Overview](#) hierarchy type. For more information, see Customizing for [Transportation Management](#) under ► [Freight Order Management](#) ► [Define Hierarchical Views for Business Documents](#) ►. On the [Overview](#) tab page, you can see the utilization of the reserved capacity, for example, how many of the reserved containers are being used.

For more information about capacity requirements, see [Freight Booking](#).

Display Topmost Items

You can configure the system to display only the topmost items of an item category or the topmost item for each business document. As a prerequisite, you need to configure this for products and packages in the Customizing for the [Cargo Management](#) and [Overview](#) hierarchy types. For more information, see Customizing for [Transportation Management](#) under ► [Freight Order Management](#) ► [Define Hierarchical Views for Business Documents](#) ►.

Customs Processes

The [Customs Profile](#) field has been added in Customizing for consignment order types. Customs profiles are used to assign customs activities to business documents. For more information, see Customizing for [Transportation Management](#) under ► [Freight Order Management](#) ► [Consignment Order](#) ► [Define Consignment Order Types](#) ►.

Related Information

[Global Trade](#)

11.4.2.9 Enhancements for Automatic Consignment Building

With this feature, you can make additional settings in the consignment building profile in Transportation Management (TM) to perform automatic consignment building. You can, for example, specify that consignment orders are automatically built locally in a freight order when a freight order is created or that consignment order documents are created when a specific execution status value or event at a transportation stop is reached.

Furthermore, you can select individual consignment orders that exist locally in a freight order and create consignment order documents for them.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-FRM (Freight Order Management)
Valid as Of	SAP S/4HANA 2021

Effects on Existing Data

In the consignment building profile, you now have the following additional options:

- New Field [Automatic Building](#)
In this field, you can now specify if you want the system to automatically build consignment orders locally in the freight order when a freight order is created manually or based on inbound messages. Alternatively, you can choose that the system updates consignment orders automatically that already exist locally in the system. You then have to trigger the initial building of consignment orders manually on the freight order user interface.
- New Options in Field [Create Consignment Documents](#)
You can now not only decide whether consignment order documents are created automatically by the system, but also at which action, status, or event the documents are created. You can, for example, decide for the whole freight order that the consignment order documents are created when you set the execution status of the freight order to [Ready for Transportation Execution](#), or you can specify that the documents are created for a transportation stop when a certain event is posted for that stop, for example, that the truck has departed from the company premises.
- New Field [Event for Automatic Consignment Creation](#)
When you have selected the corresponding option in the field mentioned above, you can specify in this field the event at which the consignment order documents are to be created by the system.
- New Grouping Rules
We now deliver the following two additional standard grouping rules that you can select in the consignment building profile for grouping freight units to consignment orders:
 - Unloading Point Name
This is the location of the business partner to whom you deliver the goods. It is the name of the unloading point that has been defined in the sales order item (shipping details). It does not belong to your own master data.
 - Legal Control License Indicator
This indicator can be used to group freight units to consignment orders for customs declaration purposes.

On the user interface of a freight order, you can now select a consignment order that has been built locally in the freight order from the item hierarchy and create a consignment order document for it using the [Create Consignment Order](#) push button.

This feature is also available in SAP S/4HANA 2020 SP03.

Related Information

[Automatic Consignment Building](#)

11.4.2.10 Confirm Freight Orders

With this feature, you as a shipper can enable your carriers to use the new [Confirm Freight Orders](#) app to view, confirm, or reject the freight orders that you have sent to your carriers as a part of the subcontracting process.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-FRM-FRT (Freight Tendering)
Available As Of	SAP S/4HANA 2021

Additional Details

The carrier can use the app to view all the freight orders and list the freight orders that require confirmation or have been confirmed or closed. The carrier can choose a freight order to view more details about the transportation stops and items.

Related Information

[Order Management](#)
[Freight Order Confirmation](#)

11.4.2.11 Enhancements for Handling Errors in Business Documents (Checks)

With this feature, the functions for handling errors in business documents have been enhanced.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-FRM (Freight Order Management)
Available As Of	SAP S/4HANA 2021

Additional Details

Additional checks have been enabled to handle errors in business documents, for example:

- **Vendor, Goods Supplier**
When an inbound message (ASN) arrives to update a consignment order, the system checks the sent vendor. It checks if the vendor of the ASN matches the vendor of the referenced purchasing document (purchase order or scheduling agreement). You can decide to save the deviating goods supplier sent with ASN, for example, if the original supplier cannot deliver. The stage in the related consignment order and freight units is then adjusted accordingly.
- **Package-related Errors**
The checks for package-related errors have been enhanced. If an ASN message contains a package-related error (for example, a packaging material typo or a wrong packaging material) the system sets the load plan status of the package to [Invalidated](#). Once the error is corrected, the status of the packages and the package items is set to [Finalized](#).
- **Customs Reference Number**
In the inbound process, the system checks the customs reference number that you receive from the carrier as part of the freight order with assigned consignment orders, or that you enter in the business documents.
- **Delivery-Related Errors**
Certain process steps, such as an update from a TM freight order to an LE delivery, or the posting of goods movement to an LE or EWM delivery are asynchronous. For example, users in different areas may attempt to update the same delivery at the same time or post goods movements before warehouse processing is possible. This can cause errors, for example locking of business documents, inconsistent data in business documents, or failed updates to business documents. The system records such errors on the [Document Errors](#) tab page with additional details from the application log.

For more information about the checks, see [Example Checks to Find Errors in Business Documents](#).

Effects on Customizing

Package-Related Errors

You enable the **packaging material check** for item types in the Customizing for Transportation Management under ► [Freight Order Management](#) ► [Define Item Types for Freight Order Management](#) ►.

Related Information

[Correction of Errors in Business Documents](#)

11.4.2.12 Planning Based on Equipment Types

With this feature, you can perform planning based on equipment types.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-PLN (Planning)
Available As Of	SAP S/4HANA 2021

Additional Details

If you regularly subcontract your transportation demands, you are usually not interested in specific truck resources or trailer resources, but rather in truck types or trailer types, which you can order from your carriers. This new planning approach based on equipment types is the most natural approach for such subcontracting scenarios and offers advantages compared to planning with resources. You no longer need to define and assign resources. You just need to specify or assign an equipment type. The system treats equipment types similarly to unlimited multiresources.

In the transportation cockpit, you can work with equipment types in the same way as you work with resources.

Further, the following functions are supported for equipment types:

- Scheduling
- Load planning and load consolidation
- Gantt chart

Note

- By default, equipment types are considered as being always available. You can restrict their availability in the [Capacity Availability Settings](#) of your planning profile (see "Effects on Existing Data").
- Equipment types cannot be displayed on the geographical map.
- Vehicle scheduling and routing (VSR) optimization does not support planning based on equipment types.

Effects on Existing Data

The following has been added to the planning profile:

- A new sub-profile [Capacity Availability Settings](#)
- Two new tab pages [Vehicle Types](#) and [Container Types](#) in the [Capacity Selection Settings](#) sub-profile

The transportation cockpit offers the following new fields and areas:

- A new content area for equipment types has been added. It contains truck types, trailer types, locomotive types, railcar types, and container types. It offers buttons to create capacity documents and to insert equipment types. Fields for loading direction profile and attached equipment profile are available. To display these fields, you need to implement the enhancement described in SAP Note [3081237](#).
- The resource content areas for trucks, trailers, locomotives, railcars, and containers contain selected equipment types and offer new buttons to insert truck types, trailer types, locomotive types, railcar types, and container types.
- The truck and locomotive lists offer new fields for the factory calendar and shift sequence.
- The capacity document lists and hierarchies offer new fields for the equipment type and equipment group.
- The selection criteria for the transportation cockpit offer new selection areas for vehicle types and container types.
- A new button to remove the assigned equipment type from a capacity document has been added.

Effects on System Administration

The following XCLAs have been enhanced for this feature:

- /SCMTMS/CL_XLCLA_D_PLCC
- /SCMTMS/CL_XLCLA_C_PLCOCB
- /SCMTMS/CL_XLCLA_C_PLCOC

They change the following database tables:

- /SCMTMS/C_PLCOC
- /SCMTMS/C_PLCOCB
- /SCMTMS/D_PLCC

During an upgrade to SAP S/4HANA 2021, the page layout database table is migrated due to a change of associations on transient business object /SCMTMS/PLN. Association values that connect list UIBBs with the nodes RESVEHACT, RESVEHPAS, and RESTU will be changed so that they will link to the node RESOURCE.

Effects on Customizing

In the [Define Equipment Groups and Equipment Types](#) Customizing activity, two new fields have been added for vehicle types and transportation unit types:

- [Mark for Deletion](#)
- [Restricted Use in Planning](#)

For more information, see Customizing for Transportation Management under [Master Data](#) [Resources](#) [General Settings](#) [Define Equipment Groups and Equipment Types](#).

Related Information

[Planning Based on Equipment Types](#)

11.4.2.13 Enhancements for Transportation Cockpit and Manual Planning

With this feature, the transportation cockpit and manual planning have been enhanced with new functions. For example, the Gantt chart offers several new functions. Further, additional fields are available in the transportation cockpit and the assignment of objects using drag and drop has been improved.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-PLN-TC (Transportation Cockpit); TM-PLN-MP (Manual Planning); TM-PLN-GNT (Gantt Chart)
Available As Of	SAP S/4HANA 2021

Additional Details

In the [Gantt chart](#), the following new functions are available:

- If you enable the Smart Add function in the Gantt chart Customizing, you can specify the selection behavior:
 - Selection on the Gantt chart overrules the selection on the transportation cockpit by document or resource type only
 - Selection on the Gantt chart overrules the selection on the transportation cockpit completelyYou can equally specify the selection behavior for the Quick Add function on the geographical map.
- In the Gantt chart, you can edit stages of capacity documents, for example freight orders or package units, using the context menu. A dialog box is displayed in which you can change attributes of existing stages or insert new stages.
- In the Gantt chart, you can reduce the number of consecutive empty transportation stages. You can do this using the context menu (under [Solve Warnings](#)).
In addition, you can indicate in the manual planning settings of your planning profile, that the system is to automatically reduce the number of empty stages when solving missing stage errors. Further, you can indicate in the planning profile whether the system is to add the empty stage at the beginning or the end of a capacity document.
These two options are also available in the [Change Planning Settings](#) option in the transportation cockpit.

The following [generic functions](#) are available:

- You can display an aggregation row in a document-based hierarchy (for example, a road freight order hierarchy) or a stage-based hierarchy (for example, a freight unit stage hierarchy or a package unit stage hierarchy) in the transportation cockpit:
 - Sum, for example the net weight
 - Average value, for example the average duration
 - Minimum or maximum value, for example the minimum gross weight
 - Distinct count, for example the number of different source locationsYou can define the columns and the aggregation method in the aggregation tab page of the hierarchy's view personalization and in the column header of the hierarchy.
- In the transportation cockpit hierarchies, you can display additional fields, such as the freight document and transportation mode. To display these fields, you need to implement the enhancement described in SAP Note [3017350](#). This SAP Note contains a detailed list of all fields and the hierarchies in which they are available.
- The freight unit stage list, the container unit stage list, and the freight unit hierarchy of the transportation cockpit offer fields for the earliest start date and time for unloading and the latest end date and time for loading.
- In the transportation cockpit, you can set the [Confirmation Status](#) of an ocean freight booking to the following values:
 - [Confirmed by Carrier](#)
 - [Rejected by Carrier](#)
 - [Confirmed by Carrier with Changes](#)In the selection criteria of the transportation cockpit as well as in the additional selection settings of the selection profile, you can filter for ocean freight bookings with these statuses.
- You no longer need to select a row in the lists and hierarchies of the transportation cockpit when you want to assign an object to another object using drag and drop. Note that this new feature is not available when you work with multiple windows or the smart add or quick add function.

- You can restrict the availability of resources and equipment types by specifying shift sequences and factory calendars in the planning profile (see "Effects on Existing Data"). For more information, see the What's New document for [Planning Based on Equipment Types \[page 994\]](#).

Effects on Existing Data

A new sub-profile [Capacity Availability Settings](#) has been added to the planning profile to restrict the availability of resources and equipment types.

Effects on Customizing

- To enable the Smart Add function, in Customizing for Transportation Management choose ► [Basic Functions](#) ► [Gantt Chart](#) ► [Define Layouts for Gantt Chart](#) .
- To enable the Quick Add function, in Customizing for Transportation Management choose ► [Basic Functions](#) ► [Geographical Map](#) ► [Define Layouts for Geographical Map](#) .
- To specify the selection behavior, the [Selection Behavior for Smart Add and Quick Add](#) field has been added to these Customizing activities.


11.4.2.14 Enhancements for Unified Package Building

With this feature, you can use a new execution mode for determining UPB rules in unified package building (UPB). Further, new fields have been added to the UPB profile and the planning profile and the test cockpit has been reworked.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-PLN-PB (Package Building); SCM-BAS-PAK-UPB (Unified Package Building)
Available As Of	SAP S/4HANA 2021

Additional Details

- UPB offers a new execution mode for determining UPB rules and works as follows:
 - The default execution mode is the building of packages. The system uses the best set of packaging master data or Customizing settings it can find.
 - Further, the system provides the option to determine which packing instructions or packaging specifications (UPB rules) are available for certain products.
 - Optionally, you can start the building of packages with specific rules.Note however, that the last two execution modes are only available in certain processes. For more information, see SAP Note [3076865](#) .
- In the UPB profile, you can indicate a relevant packaging level for the UPB engines *packing instruction* and *packaging specification*. It indicates whether the system is to determine the innermost packaging material or the outermost packaging material when determining UPB rules. For more information, see [Unified Package Building Profile](#).
- The test cockpit for UPB has been reworked. It provides two separate tab pages. One for the execution modes that are available for UPB and one for the execution modes that are available for package building. The first tab page offers the new execution mode *Determine UPB Rules* (see above). For more information, see [Test Cockpits for Unified Package Building](#).
- In the planning profile, you can indicate a maximum number of package items per package unit. Further, you can indicate the utilization threshold for location groups either as a soft or a hard constraint. These fields are taken into account when the system creates package units based on UPB for freight units. For more information, see [Use of Package Units in Planning](#).

Effects on Existing Data

On the user interfaces and in the documentation, the term *unified package building* is now used consistently for the generic packaging layer. The term *package building* is now used for the core package builder function. Further, the following objects have been renamed:

- The package building profile has been renamed unified package building profile.
- The test report for package building has been renamed test cockpit for unified package building.

Effects on System Administration

During an upgrade to SAP S/4HANA 2021, the variants that you have defined in your test cockpit for unified package building in a previous release are deleted. By running report `RSVARDOC_NEW`, you can restore most of these variants.

Effects on Customizing

- In the planning profile, the following new fields have been added:

- [Maximum Number of Package Items per PU](#)
 - [Util. Thr. for Loc. Group - Hard \(%\)](#) (Utilization Threshold for Location Group - Hard (%))
- The [Location Group Utilization Threshold \(%\)](#) field has been renamed [Util. Thr. for Loc. Group - Soft \(%\)](#).

- You can enhance unified package building engines with the following Business Add-Ins (BAIs):
 - BAI: Enhancements for Package Building (/SCMB/EX_PB_ENGINE_PB)
 - BAI: Enhancements for Packing Instruction (/SCMB/EX_PB_ENGINE_PI)
 - BAI: Enhancements for Packaging Specification (/SCMB/EX_PB_ENGINE_PS)

For more information, see Customizing for Transportation Management under [Business Add-Ins \(BAIs\) for Transportation Management](#) > [Planning](#) > [Unified Package Building](#) > [Unified Package Building Engines](#).

Related Information

[Unified Package Building](#)

11.4.2.15 Enhancements for Load Planning

With this feature, the functions for the printing of the load plan have been enhanced. Further, the load plan status on item level can be displayed and changed consistently across the document chain.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-PLN-LP (Load Planning)
Available As Of	SAP S/4HANA 2021

Additional Details

- You can print the hierarchical table of the load plan (load plan hierarchy) with or without 3D images (3D load plan) for a container unit. Further, the printout for the road freight order has been enhanced with information about the document type as well as the arrival date and time.
- You can trigger the printing of the load plan for a container unit from the transportation cockpit.

- The load plan status for referenced capacity items (package items, container items, trailer items, and railcar items) is displayed in the assigned successor document and can be set there as well. For example, if you have a road freight order with an assigned trailer unit, you can set the load plan status for the referenced trailer item hierarchy in the road freight order directly.
This allows a better transparency of the load plan status over the entire document chain. Further, to set the load plan status, you don't need to navigate to the assigned document anymore.
For more information, see [Explanation of Statuses of Business Documents](#).

Effects on Customizing

The structure node and the two corresponding Business Add-Ins (BAIs) for the load optimizer have been renamed:

- BAI: Optimizer for Load Planning and Load Consolidation - Preprocessing
- BAI: Optimizer for Load Planning and Load Consolidation - Postprocessing

For more information, see [Transportation Management > Business Add-Ins \(BAIs\) for Transportation Management > Planning > Load Optimizer](#).

Related Information

[Load Plan Printing](#)
[Explanation of Statuses of Business Documents](#)

11.4.2.16 Enhancements for Scheduling and Automatic Planning

With this feature, you can restrict the availability of your capacities. Further, vehicle scheduling and routing (VSR) optimization takes consignment orders into account. And finally, the [Explain Scheduling Results](#) app displays the action that called scheduling.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	TM-PLN-VSR (Vehicle Scheduling and Routing); TM-PLN-SCH (Scheduling)
Available As Of	SAP S/4HANA 2021

Additional Details

- VSR optimization takes consignment orders into account. Similarly, the explanation tool for VSR optimization also takes them into account. The background report [Run Planning](#) has been enhanced with a new field [CO Selection Profile](#).
To start the background report, on the SAP Easy Access screen, choose [Logistics](#) > [Transportation Management](#) > [Administration](#) > [Background Processing](#) > [Run Planning](#).
- In the [Explain Scheduling Results](#) app, you can see on the overview page, by which action scheduling was called (see "Effects on Existing Data"). For more information, see [Explanation Tool for Scheduling](#).
- You can restrict the availability of resources and equipment types by specifying shift sequences and factory calendars in the planning profile (see "Effects on Existing Data"). For more information, see the What's New document for [Planning Based on Equipment Types \[page 994\]](#).

Effects on Existing Data

- A new field [Calling Action](#) has been added to the [Explain Scheduling Results](#) app.
- A new sub-profile [Capacity Availability Settings](#) has been added to the planning profile to restrict the availability of resources and equipment types.

Effects on Customizing

The input semantic of Business Add-In (BAI) [BAI: VSR Optimizer Preprocessing](#) (/SCMTMS/PLN_PRE_PROC) has been adjusted. The representation of internal transportation lanes has been changed to improve the system performance.

If you use this BAI to manipulate transportation lanes before they are sent to the vehicle scheduling and routing (VSR) optimizer, we recommend that you adjust your implementations of this BAI (BAI method /SCMTMS/IF_PLN_PRE_PROC~CHANGE_OPT_INPUT).

In previous releases, the information about transportation lanes was stored in the following tables:

- IO_OPT_INPUT->ET_LANE
- IO_OPT_INPUT->ET_LANE_FROM_LOC
- IO_OPT_INPUT->ET_LANE_TO_LOC

These tables won't be filled anymore and the information about transportation lanes is moved to the following tables:

- IO_OPT_INPUT->ET_LANE_ASSGN: Contains information about which means of transport can be used on which transportation lane
- IO_OPT_INPUT->ET_LANE_DATA: Contains information about the transportation lane

For more information, see Customizing for Transportation Management under ► [Business Add-Ins \(BAIs\) for Transportation Management](#) ► [Planning](#) ► [VSR Optimizer](#) ► [VSR Optimizer Preprocessing and Postprocessing](#) ► [BAI: VSR Optimizer Preprocessing](#) ►.

11.4.2.17 Enhancements for Advanced Shipping and Receiving

With this feature, the functions for the Advanced Shipping and Receiving process in Transportation Management (TM) have been enhanced.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-INT (Integration)
Available As Of	SAP S/4HANA 2021

Additional Details

Advanced Shipping and Receiving is an integrated, end-to-end process that allows users to send, receive, and transport products.

New functions available in Advanced Shipping and Receiving include:

- For Inbound Deliveries, Check for Requirement that a Product Be Packed or Unpacked
When you set the [Ready for Warehouse Processing](#) status for LE inbound deliveries, the system now checks if the product must be packed or unpacked, before you can set the status.
- Displaying Additional Fields for Deliveries
When a delivery is relevant for Advanced Shipping and Receiving, the [Warehouse Execution Status](#) and [Loading/Unloading Point](#) fields are available when creating, changing, or displaying a delivery.
For more information, see [Integration with Advanced Shipping and Receiving](#).
- Freight Unit Split and Mass Data Changes
When you receive an **external delivery note number** from a supplier, you can change it in business documents, such as freight orders or consignment orders, with or without an FU split.

For more information, see [Freight Unit Split and Mass Data Changes](#).

- **Handling of Errors in Business Documents**
Additional checks have been enabled to handle errors in business documents. For more information, see the What's New document [Enhancements for Handling Errors in Business Documents \(Checks\) \[page 992\]](#).
- **Creating or Updating Consignment or Freight Orders on Inbound Messages**
You can create or update freight orders using inbound messages. If an advanced shipping notification (ASN) contains a package-related error (for example, a packaging material typo or a wrong packaging material) the system sets the load plan status of the package to *Invalidated*. You can correct the error on the [Document Errors](#) tab page. Once the error is corrected the status of the packages and the package items is set to *Finalized*.
For more information, see [Creation or Update of Consignment or Freight Orders on Inbound Messages](#).
- **Automatic Consignment Building**
Automatic consignment building has been enhanced. For more information, see the What's New document [Enhancements for Automatic Consignment Building \[page 990\]](#).
- **Events in Inbound and Outbound Processes**
Two events have been added to the inbound and outbound process in Advanced Shipping and Receiving:
 - After you set the *Arrived at Door* status, the system reports the event *Arrival at Door*.
 - After you set the *Departed from Door* status, the system reports the event *Departure from Door*.
- **Load or Unload Freight Orders App**
The [Load or Unload Freight Orders](#) App for warehouse activities has been enhanced. For more information, see What's New document [Enhancements to the Load or Unload Freight Orders App \[page 961\]](#).

Related Information

[Example Checks to Find Errors in Business Documents](#)

[Correction of Errors in Business Documents](#)

[Automatic Consignment Building](#)

11.4.2.18 Enhancements for Integration Based on EMW TUs (Early Updates)

With this feature you can send early updates from EWM to TM.

The integration of Transportation Management (TM) with Extended Warehouse Management (EWM) based on EWM transportation units (TUs) now supports sending data updates from EWM to TM early in the process with status change *Loading Finished*. This is earlier than the default, which updates data in TM with truck departure from the checkpoint, denoted by EWM with status change to *Departure from Checkpoint*.

With “early updates” in TM-EWM integration customers can print the documents earlier in the process.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-INT (Integration)
Available As Of	SAP S/4HANA 2021

Effects on Data Transfer

In EWM Customizing you can enable the sending of an additional, earlier LoadingAppointmentNotification (LDAP) message from EWM to TM with loading completion.

Effects on Customizing

Make the following settings in **EWM Customizing** to enable early updates for the integration based on EWM TUs:

- In the settings for TM message processing define that messages are sent multiple times for your logical system.
For more information, see Customizing for [SCM Extended Warehouse Management](#) under ► [Extended Warehouse Management](#) ► [Interfaces](#) ► [TM Integration](#) ► [Make Settings for TM Message Processing](#) ►.
- For the used process profile mark [HU Update](#).
For more information, see Customizing for [SCM Extended Warehouse Management](#) under ► [Extended Warehouse Management](#) ► [Cross-Process Settings](#) ► [Delivery – Warehouse Request](#) ► [Process Management and Control](#) ► [Define Process Profile for Document Header](#) ►.

Related Information

[Early Updates from EWM
Integration Based on EWM Transportation Units](#)

11.4.2.19 Enhancements for Integration Based on EMW TUs (Cross-Delivery HUs)

This feature enables you to support cross-delivery handling units (HUs) for outbound processes in the integration of Transportation Management (TM) with Extended Warehouse Management (EWM) based on Extended Warehouse Management transportation units (TUs).

You can cross-pack and fill up handling units like cartons or pallets with freight units resulting from two or more deliveries. This helps to improve packing and saves volume if a package or pallet has less than a full load from only one delivery. Single-stage freight units are supported.

TM-driven scenario: In a freight order you can build packages for product-items from different deliveries in the same package and process them in EWM in the corresponding EWM-TU. The EWM-TU then has a cross-delivery HU as suggested packing instruction.

EWM-driven scenario: In EWM you can cross-pack packages or product-items resulting from different deliveries in the same package. As usual, the system transfers the actual item data to TM to update the corresponding freight order.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-INT (<i>Integration</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Cross-Delivery Handling Units](#)
[Integration Based on EWM Transportation Units](#)

11.4.2.20 Dangerous Goods Processing Based on Product Compliance

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-CF-DG (<i>Dangerous Goods</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

If a product has been marked as relevant for compliance in the product master, a dangerous goods (DG) check is done when a freight unit or freight order is saved. The system determines whether transportation of the product is allowed by considering the products, quantities, mode of transport (road), and (transit) country information. The resulting DG status is displayed on the header and item level for freight units and freight orders. On the header level, the DG status is an aggregation of all item DG status values - the system identifies the strictest status of all of the items and assigns that status to the header.

If the result of the DG check is negative and the transport is not allowed, the system places a planning and execution block on the document.

If the Product Compliance application has not yet completed a DG assessment for the product, a workflow is started, ensuring that a DG expert gets this product in their work list for assessment. After the assessment is completed, TM is notified and triggers a check of the document.

For more information see [Integration of Dangerous Goods Checks into Transportation Management \[page 588\]](#).

Related Information

[Dangerous Goods Processing Based on Product Compliance](#)

11.4.2.21 Enhancements for Scenario Builder

With this feature, the functions of the scenario builder in Transportation Management (TM) have been enhanced.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-BF-SB (Scenario Builder)
Available As Of	SAP S/4HANA 2021

Additional Details

- Consistency Check for Scenario Templates
To be able to create a scenario for a scenario template, the test data has to be consistent. The system checks if all objects that are referenced by other objects in the scenario template exist in the template. Typical examples for dependencies to other objects: A transportation zone that is defined as a group of locations, or a forwarding order that references a product.
For more information, see [Consistency Check for Scenario Template](#).
- New Object Types for Scenario Templates
The following additional object types are now available for scenario templates:
 - You can add purchase orders and scheduling agreements for integrated TM scenarios to a scenario template. The object types are located on the new tab [Materials Management](#).
 - You can add [capacity availability settings](#) to a scenario template. The object type is located on tab [Application Administration](#).
- Creation of Single Objects from a Scenario Template
You can now create test data based on **selected** objects of a scenario template instead of creating test data for all objects in the scenario template. Creating test data based on selected objects is especially useful if you want to create transactional data, such as purchase orders, scheduling agreements, or forwarding orders. In addition, you can create entities if you only need certain data from a scenario template, for example you only need locations.
For more information, see [Create Entities](#).
- In-App help is now available for the scenario builder. Choose "?" in the scenario builder to display help for user interface elements such as fields or pushbuttons.

Related Information

[Scenario Builder](#)

11.5 Advanced Order Promising

11.5.1 Alternative-Based Confirmation (CA-ATP-ABC)

11.5.1.1 Configure Alternative Control

With this feature, the [Configure Alternative Control](#) app has been enhanced to provide more flexibility for creating and maintaining alternative controls.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-ABC (ATP: Alternative-Based Confirmation)
Available As Of	SAP S/4HANA 2021

Additional Details

You can define multiple accesses based on different characteristic combinations. Using the [Manage Characteristic Combinations](#) app, you can predefine the required combinations that you can use to create a sequence of accesses. For each access, you can further define multiple characteristic value combinations (CVCs) and assign a substitution strategy to each CVC. There is no limit on the number of characteristics that you can use in a characteristic combination and on the number of CVCs that you can maintain for each access.

Furthermore, the following changes were made to the list page of the app:

- The list page displays access-related information such as the combination and the access sequence number for a given access. Clicking on the combination navigates to the [Assigned Strategies](#) page that displays the details of the CVCs.
- The list page of the app now offers a header with filters for searching for accesses.
- The list page of the app provides functionality for changing the status of an access to *Active*, *Inactive*, or *Obsolete*.
- The list page of the app provides functionality for changing the sequence of an access.

Related Information

[Configure Alternative Control](#)

11.5.1.2 Activation of Alternative-Based Confirmation

With this feature, you can now decide at checking group level if Alternative-Based Confirmation (ABC) is to be evaluated for specific business document types.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-ABC (ATP: Alternative-Based Confirmation)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

You can now use the [Document Purpose](#) column and [ABC is Active](#) selection option in the activity [Configure Enhanced Check Methods by Document Purpose](#) to decide, for each business document type and checking group, if ABC is to be considered when availability is checked.

Related Information

[Customizing for Alternative-Based Confirmation](#)

11.5.1.3 Plant Substitution in Sales Order Requirements

With this feature, you can replace the requested delivering plant for a sales order requirement with an alternative delivering plant determined on the basis of substitution master data.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-ABC (<i>ATP: Alternative-Based Confirmation</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can now replace the delivering plant for sales order requirements with an alternative delivering plant on the basis of:

- The substitution method source *Substitution Master Data* in the *Configure Substitution Strategy* app
- Substitution master data maintained in the [Apps for Location Substitution](#)

In addition to enabling you to decide which source to use for substitution method *Plant Substitution*, this method enables you to maintain exactly which plants to use as possible alternatives and exclude specific plants from being valid alternatives. Furthermore, you can consider time constraints during alternative plant determination thanks to the optional validity data that can be defined in the *Manage Substitutions* app.

Plant substitutions are displayed in the *Review Availability Check Group* UI component and *Monitor BOP Run* app.

i Note

The substitution method source *All eligible plants* has been replaced by *All Possible Plants* in the *Configure Substitution Strategy* app when substitution method *Plant Substitution* is selected. With this change, the existing functionality for plant substitution hasn't been modified in any way: it has been implemented to make the user interface more easily understandable in all available languages.

Related Information

[Plant Substitution](#)

[Location Substitution](#)

[How to Create and Manage Location Substitutions](#)

[Alternative-Based Confirmation in Sales Orders](#)

11.5.1.4 Storage Location Substitution in Sales Order Requirements

With this feature, you can replace the requested storage location for a sales order requirement with an alternative storage location within a specific plant, as determined on the basis of substitution master data. You can also determine an alternative storage location when no specific storage location was requested initially.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-ABC (<i>ATP: Alternative-Based Confirmation</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can now replace the storage location for sales order requirements with an alternative storage location within a specific plant on the basis of:

- The substitution method source [Substitution Master Data](#) in the [Configure Substitution Strategy](#) app
- Substitution master data maintained in the [Apps for Location Substitution](#)

In addition to enabling you to decide which source to use for substitution method [Storage Location Substitution](#), this feature enables you to maintain exactly which storage locations to use as possible alternatives and exclude specific storage locations from being valid alternatives with a specific plant. Furthermore, you can consider time constraints during the determination of alternative storage locations on the basis of the optional validity data that can be defined in the [Manage Substitutions](#) app.

Related Information

[Storage Location Substitution](#)
[Location Substitution](#)
[How to Create and Manage Location Substitutions](#)
[Alternative-Based Confirmation in Sales Orders](#)

11.5.1.5 Product Substitution in Sales Order Requirements

With this feature, you can replace a requested product with a substituted product in requirements in sales order documents.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-ABC (<i>ATP: Alternative-Based Confirmation</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The substitution capabilities of Alternative-Based Confirmation (ABC) in advanced Available-to-Promise (aATP) have been enhanced to enable you to replace requested products in sales orders with substitute products, also in combination with alternative delivering plants.

To use product substitution in an availability check, you must define a substitution strategy with substitution method *Product Substitution* in the [Configure Substitution Strategy](#) app. The configuration options listed in the *Substitution Item Type* dropdown have been adapted to enable you to combine plant and product substitution either inline or by generating subitems.

Product substitutions are displayed in the [Review Availability Check Group](#) UI component and [Monitor BOP Run](#) app.

Related Information

[Product Substitution](#)

[Quantity Conversion in Product Substitution \[page 1014\]](#)

[Substitution Item Types](#)

[Alternative-Based Confirmation \(CA-ATP-ABC\)](#)

[Alternative-Based Confirmation in Sales Orders](#)

11.5.1.6 Quantity Conversion in Product Substitution

With this feature, you can convert the quantity of a requested product into the quantity of a substituted product.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-ABC (<i>ATP: Alternative-Based Confirmation</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

To achieve higher delivery rates and reduce out-of-stock situations, you can configure product substitutions. When a shortage of a product occurs, a different product can be used to substitute the originally requested product. In some cases, the quantity of the substitute product doesn't equal the quantity of the ordered product, for example:

- One brick with a length of 20 cm can be substituted by two bricks with a length of 10 cm.
- Three bricks with a length of 20 cm each can be substituted by two bricks with a length of 30 cm each.

This numeric relationship is maintained in the *Numerator for Conversion* and *Denominator for Conversion* fields in the *Manage Substitutions* app for substitution master data and consumed during availability checks using substitution strategies in which *Substitution Master Data* is maintained as the substitution method source. The numeric relationship is also displayed on the *Configuration* subscreen in sales orders.

Related Information

[Quantity Conversions](#)
[Manage Substitutions](#)
[Master Data - Product Substitution](#)
[How to Create and Manage Product Substitutions](#)

11.5.1.7 Remaining Open Quantity Assignment

With this feature, you can use the [Remaining Open Quantity Assignment](#) dropdown list in the [Configure Substitution Strategy](#) app to configure which subitem will get unconfirmed quantity if the stock situation does not allow a full confirmation.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-ABC (ATP: Alternative-Based Confirmation)
Valid as Of	SAP S/4HANA 2021

Additional Details

Using the [Remaining Open Quantity Assignment](#) dropdown list, you can define the subitem to which remaining open quantity will be assigned when a confirmation cannot be generated:

- [Original Request](#)
- [Leading Substitution](#)
- [Leading Substitution, then Original Request](#)

Note that you can use the [Lead Indicator](#) on the [General Information](#) subscreen in the [Apps for Master Data - Product Substitution](#) to define leading substitutions.

Effects on Existing Data

The system treats existing substitution strategies like new substitution strategies configured with the default option [Original Request](#).

Related Information

[Remaining Open Quantity Assignment](#)

11.5.2 Backorder Processing (CA-ATP-BOP)

11.5.2.1 Monitor BOP Run

With this feature, the [Monitor BOP Run](#) app has been enhanced to enable you to navigate directly to the variant for a backorder processing, to re-run backorder processing in simulation mode, and to offer increased transparency on the status of order document updates and substitution.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-BOP (ATP: Backorder Processing)
Available As Of	SAP S/4HANA 2021

Additional Details

From the popover for the variant name displayed in the [BOP Run List](#) in [Monitor BOP Run](#) app, you can now:

- Click [Go to Variant](#) to navigate directly to the [Configure BOP Variant](#) app to display and, if required, edit the variant used as the basis for the backorder processing run.
- Click [Simulate Variant](#) to re-run backorder processing in simulation mode.

The filter bar in the [Monitor BOP Run](#) app now contains an additional filter option, [Update Issues](#), with which you can restrict the displayed data to those runs or variants for which order document updates could not be completed. In addition, the header data at run and material levels now details the number of order documents that were updated, in the [Updated](#) field. Similarly, at material level, the [Processing Status](#) column now indicates if order documents were updated or if order document updates were cancelled. The [Substitution](#) column indicates the substitution method used to confirm a requirement.

Related Information

[How to Monitor the Results of a Run
Monitor BOP Run](#)

11.5.2.2 SAP HANA Rules Framework-Based Filter Conditions

Filter conditions defined with SAP HANA Rules Framework are no longer supported for advanced Available-to-Promise (aATP).

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-BOP (<i>ATP: Backorder Processing</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

Filter conditions defined with SAP HANA Rules Framework are no longer supported for aATP as follows:

- Variants containing segments defined with SAP HANA Rules Framework in the *Configure BOP Segment* app can no longer be processed: backorder processing runs executed on the basis of these variants will abort without processing any requirements.
- Order fulfillment responsibilities defined with SAP HANA Rules Framework in the *Configure Order Fulfillment Responsibilities* app will not filter requirements for subsequent requirements processing in the *Release for Delivery* app.

For more information, see [SAP Note 3021040](#) and the SAP Community blog *Deprecation of HRF-Based Filter Conditions in aATP* (see below, *Related Links*).

Related Information

<https://blogs.sap.com/2021/03/23/deprecation-of-hrf-based-filter-conditions-in-aatp>

11.5.3 Controller & Central Functions (CA-ATP-CTL)

11.5.3.1 Review Availability Check Result

With this feature, the *Review Availability Check Result* UI component has been enhanced to enable you to display confirmation data for any selected item and, if required, adjust confirmation data. You can display

additional information about the confirmation determination, and display and select alternative confirmation proposals.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-ABC (<i>ATP: Alternative-Based Confirmation</i>)
	CA-ATP-CTL (<i>ATP: Controller & Central Functions</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

From the [Review Availability Check Result](#) screen, you can now display the detailed results for sales order requirements for which delivering plant or product have been substituted or where multiple products have been used to confirm a requirement. If required, you can use the [Process in Legacy UI](#) button to navigate to the legacy delivery proposal screen to display additional explanations or modify the calculated confirmations. After returning to the [Review Availability Check Result](#) screen, any adjustments you have made are reflected and after applying the changes and returning to the sales order, the sales order reflects the ATP check result.

The [Review Availability Check Result](#) screen has also been enhanced to provide additional information about the method used to calculate a confirmation for a sales order requirements. The [Intermediate Results](#) subscreen now enables you to graphically:

- Identify the basic method and calculation path used to calculate a confirmation for sales order requirements.
- Display the material-plant combinations used to determine the best confirmation.

In addition to the most suitable calculated alternative, the [Alternatives](#) subsection of the [Result](#) subscreen now displays possible alternative confirmations. The displayed alternative confirmations are calculated on the basis of the alternative determinations defined in the building rule for the substitution strategy in Alternative-Based Confirmation (ABC).

Note

RACR has also been enhanced with functionality for Product Allocation (CA-ATP-PAL) and Supply Protection (CA-ATP-SUP). For more information, see:

- [Review Product Allocation Check Result \[page 1023\]](#)
- [Supply Protection in Review Availability Check Result \[page 1031\]](#)

Related Information

[Review Availability Check Result](#)
[Intermediate Results](#)
[Alternative Determination](#)
[Alternative Confirmation Proposals](#)

11.5.3.2 Characteristic Name

In the [Manage Characteristic Catalogs](#) app, you can display the new [Characteristic Name](#) column (via table settings) in catalogs of type Base (<document>) on the tabs for characteristics, classification characteristics, and value groups, as well as in mixed catalogs. The [Characteristic Name](#) provides a stable reference to the individual characteristic of a catalog that can be used across systems. It can be used in environments where characteristics need to be specified, for example, in APIs.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-CTL (ATP: Controller & Central Functions)
Available As Of	SAP S/4HANA 2021

Related Information

[Characteristic Name](#)

11.5.4 Object and Value Determination (CA-ATP-OVD)

11.5.4.1 Object and Value Determination

With this feature, the Object and Value Determination (OVD) functionality is used to determine the object and value while reviewing the availability check of a material in a sales order. OVD functionality determines the object and value based on different combinations using characteristics of the sales order transactional document.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-OVD (ATP: Object and Value Determination)
Available As Of	SAP S/4HANA 2021

Additional Details

The following new apps for OVD can now be accessed if the Order Fulfilment Manager (R0226) role is assigned to your user:

- [Manage Characteristic Combinations](#)
This app allows you to create combinations of sales order-based characteristics that can be used to maintain characteristic value combinations.
- [Manage Access Sequence - Substitutions](#)
This app allows you to create accesses and sequence them based on your business requirements. Furthermore, you can specify the product and location substitution controls which help to determine possible alternatives.

Related Information

[Object and Value Determination](#)

11.5.4.2 CDS View for Object and Value Determination

The new Core Data Services (CDS) view `I_ObjValDetnActivationStatus` provides a list of allowed codes for the activation status of an object and value determination (OVD) object. The object and value determination activation status indicates if a characteristic combination is active or inactive for the OVD check.

Technical Details

Type	New
------	-----

Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-OVD (<i>ATP: Object and Value Determination</i>)
Available As Of	SAP S/4HANA 2021

11.5.4.3 Data Destruction in advanced Available-to-Promise (aATP)

With this feature, new data destruction objects for alternative controls and substitution controls in Object and Value Determination (OVD) have been introduced.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-OVD (<i>ATP: Object and Value Determination</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The following new data destruction objects are now available. The product assistance for data destruction in advanced Available-to-Promise (aATP) has been updated accordingly:

Name of Data Management Object	Object Type	Changes with This Release	Details	Relevant Scope Items
ATP_OVD_ALTVCTRL_DESTRUCTION	Data destruction object	New data destruction object added	You can use this object to destroy alternative controls in OVD.	1JW (Advanced Available-to-Promise Processing)
ATP_OVD_SUBSTNCTRL_DESTRUCTION	Data destruction object	New data destruction object added	You can use this object to destroy substitution controls in OVD.	1JW (Advanced Available-to-Promise Processing)

i Note

Data destruction object ATP_OVD_ALTVCTRL_DESTRUCTION replaces the deprecated data destruction object ATP_ABC_ALTVCTRL.

Related Information

[Destroying Alternative Controls](#)
[Destroying Substitution Controls](#)

11.5.5 Product Allocation (CA-ATP-PAL)

11.5.5.1 Product Allocation Consumption Direction

With this feature in the [Manage Product Allocation Sequences](#) app, you can choose between two options for the order in which the backward and forward time periods in a product allocation sequence are checked for available allocation quantity to fulfill a sales order requirement.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-PAL (ATP: Product Allocation)
Available As Of	SAP S/4HANA 2021

Related Information

[Defining Consumption Strategy](#)

11.5.5.2 Manage Product Allocation Planning Data App: New Comment Column

This feature enables you to enter comments on characteristic value combination level in the [Manage Product Allocation Planning Data](#) app. You can enter comments up to 80 characters for each characteristic value combination. You can maintain the comments via the UI, via a file upload (spreadsheet and .csv files) and via the OData API [Product Allocation Object](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-PAL (ATP: Product Allocation)
Available As Of	SAP S/4HANA 2021

Related Information

[Product Allocation Object](#)
[Manage Product Allocation Planning Data](#)

11.5.5.3 Review Product Allocation Check Result

After executing an availability check against product allocation, with this feature, you can review the check results, i.e. the request confirmations as they would be right after the product allocation check and as they will be after the ATP check has been completed (final confirmations). In addition, you can display the consumptions per product allocation sequence constraint after the product allocation check and after the ATP check has been completed (final consumptions).

Technical Details

Type	New
------	-----

Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-PAL (<i>ATP: Product Allocation</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Review Product Allocation Check Result](#)

11.5.5.4 Activation of Product Allocation by Material Availability Date

This feature enables you to activate Product Allocation and choosing the date used for finding product allocation sequences (falling within the time period between the validity start and end date of the material-plant assignment). You can now choose between Product Allocation activation by Requested Delivery Date (previous default setting) or by Material Availability Date (new).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-PAL (<i>ATP: Product Allocation</i>)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

You activate Product Allocation in Customizing at ► [Cross-Application Components](#) ► [Advanced Available-to-Promise \(aATP\)](#) ► [Product Allocation \(PAL\)](#) ► [Activate Product Allocation](#) ►

Related Information

[Customizing for Product Allocation](#)

11.5.5.5 Support of Scheduling Agreements Without Delivery Schedules

With this feature, you can now also perform availability checks against product allocations for requirements in scheduling agreements without delivery schedules.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-PAL (ATP: Product Allocation)
Available As Of	SAP S/4HANA 2021

Related Information

[Manage Characteristic Catalogs](#)

11.5.6 Master Data Substitution (CA-ATP-SUB)

11.5.6.1 Location Substitution

With this feature, you can replace a location with a substitute location such as a plant or a storage location. Additionally, you can exclude plants and storage locations from being used as substitute plants and storage locations in the substitutions.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-SUB (<i>ATP: Master Data Substitution</i>)
	CA-ATP-ABC (<i>ATP: Alternative-Based Confirmation</i>)
Available As Of	SAP S/4HANA 2021

Additional details

The following new apps for Location Substitution are released and can now be accessed using the role Order Fulfilment Manager (R0226):

- Manage Substitutions - Locations
- Manage Exclusions - Locations
- Manage Substitution Controls - Locations
- Manage Substitution Groups - Locations
- Manage Substitution Reasons - Locations

You can use these apps to maintain reasons, groups, controls, and exclusions, which can then be used in managing location substitutions.

Effects on System Administration

Use the Business Role Templates app to check the following business role templates or business catalogs and their restriction types

Name of Business Role	Object Type	Changes with This Release	Details	Relevant Scope Item(s)
Order Fulfillment Manager (SAP_BR_ORDER_FULFILLMNT_MNGR)	Business role	New apps are added to the business catalog.	<p>The business catalog SAP_SCM_BC_SUBSTN_LOC and the business catalog group are added to the business role Order Fulfillment Manager (SAP_BR_ORDER_FULFILLMNT_MNGR) and the following apps are added to the business role:</p> <ul style="list-style-type: none"> • Manage Substitutions - Locations • Manage Exclusions - Locations • Manage Substitution Controls - Locations • Manage Substitution Groups - Locations • Manage Substitution Reasons - Locations 	1JW (Advanced Available-to-Promise Processing)

Note

You can also see which business catalogs have changed in the [Business Catalogs](#) app. For more information about the authorizations controlled by the catalog and its restriction types, see the description displayed for each business catalog in the system.

Related Information

[Location Substitution](#)

11.5.6.2 Conversion Factors and Default Group in Product Substitution

With this feature, in the [Manage Substitution Controls](#) app, for each control that you create, along with assigning groups to it, you can also choose whether you want the system to consider the substitutions and exclusions belonging to the default group. Additionally, in the [Manage Substitutions](#) app, it is no longer mandatory to set the [Exit Indicator](#) when conversion factors are used in a substitution.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-SUB (ATP: Master Data Substitution)
Available As Of	SAP S/4HANA 2021

Related Information

[Master Data - Product Substitution](#)

11.5.7 Supply Protection (CA-ATP-SUP)

11.5.7.1 Flexible Time Buckets in Supply Protection

This feature enables you to use the period type [Flexible](#) to define time buckets with any possible start and end date. You can also generate time buckets with another period type and adjust the dates.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-SUP (<i>ATP: Supply Protection</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

With flexible time buckets, you can adapt all time buckets to your needs. You can maintain some time buckets with a longer and others with a shorter duration. If you need a time bucket for a special event or for a time with a particular protection, for example, Black Friday, you can define time buckets with a specific start and end date. If the planning is usually done, for example, for weekly time buckets, you can generate time buckets with the period type *Weekly*. You can also delete time buckets or create additional time buckets to have longer and/or shorter time buckets.

Related Information

[Defining Time Buckets](#)

11.5.7.2 Multiple Matches Alert in Supply Protection

This feature enables you to inform specific members in your organization about multiple matches of sales documents, stock transport orders, and sales contracts with supply protection objects.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-SUP (<i>ATP: Supply Protection</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

In some cases, a sales document or stock transport order can match more than one supply protection group. If this is the case, the demand element consumes the protection of multiple supply protection objects.

In general, it is not intended to have objects matching multiple protection groups. If this happens, an alert is raised and the employee responsible can check the consistency of the supply protection objects.

Related Information

[Situation Template: Multiple Matches Alert in Supply Protection](#)

11.5.7.3 Characteristic Name

With this feature you can use the characteristic name as a stable reference in all tiers of a system landscape.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-SUP (<i>ATP: Supply Protection</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The *Characteristic Name* column is displayed in the *Manage Characteristic Catalogs* app and provides a reference to the individual characteristics of a catalog. The characteristic name can be used in environments where characteristics need to be specified, for example, in APIs, such as the *Supply Availability Protection Plan*.

Related Information

[Characteristic Name](#)

11.5.7.4 Implementation of Draft Concept

With this feature, you need fewer clicks for the maintenance of supply protection objects.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-SUP (<i>ATP: Supply Protection</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

With the implementation of the draft concept there are several improvements regarding the usability of the maintenance of supply protection objects. For example, you can create a prioritized characteristic or another protection group without additional popups and navigation steps.

In the *Editing Status* filter, for example, you can search for supply protection objects on the basis of their current processing status, such as *Own Draft*.

Related Information

[Draft Handling](#)

11.5.7.5 Supply Protection in *Review Availability Check Result*

This feature enables you to display details about the impact of supply protection on the product availability check (PAC).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-SUP (<i>ATP: Supply Protection</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The following details show the impact of supply protection on the product availability check:

- The restricted quantity
- The restricting supply protection objects
- The restricting protection groups
- The matching protection groups

This information is integrated in the basic check method of the product availability check and can explain, for example, why a requested quantity cannot be confirmed completely.

Related Information

[Supply Protection in "Review Availability Check Result" App](#)

11.5.7.6 Consumption Based on Material Availability Date

This feature enables you to define if the consumption of supply protection should be based on the requested delivery date or on the material availability date.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-SUP (<i>ATP: Supply Protection</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

For every supply protection object, you can define if the consumption should be based on the requested delivery date or on the material availability date. This has an impact on the determination of the time bucket in which the consumption takes place.

Related Information

[Defining Time Buckets](#)

11.5.7.7 Automatic Activation and Deactivation of Supply Protection Objects

This feature enables you to automatically activate and deactivate supply protection objects.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-SUP (<i>ATP: Supply Protection</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

Automatic activation of supply protection objects enables you to schedule the activation of supply protection. This feature allows the automatic activation at a defined date without additional maintenance.

The automatic deactivation improves the transparency of supply protection objects because outdated objects do not appear as activated objects anymore.

Related Information

[Automatic Activation and Deactivation of Supply Protection Objects](#)

11.5.7.8 Supply Protection Group Details

With this feature, you can see the details of a supply protection group.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-SUP (ATP: Supply Protection)
Available As Of	SAP S/4HANA 2021

Additional Details

Every supply protection group of a supply protection object has its own object page. On this page, a consumption chart shows the protected and consumed quantities as well as the remaining protection with their distribution within the relevant time buckets of a protection group.

In the time buckets list below the chart, you can see the single time buckets with their consuming documents such as sales orders or stock transport orders. From there, you can navigate to the overview page of single documents.

11.6 Extended Service Parts Planning

11.6.1 Notification Interface for Capturing Demand History

With this feature you can use an interface which enables you to send and receive sales order demand data from an external system via SOAP (XML) messages. In the receiver system the sales order data can then be further used as demand history data for eSPP.

The external sender system can be either a (1) non-SAP system, or (2) another SAP S/4HANA system.

For scenario (2) the feature also includes the outbound processing, thus the sending of the sales order demand from one SAP S/4HANA (execution) system to another SAP S/4HANA (planning) system with program / SAPAPO/SEND_SD_DEMAND.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-APO-SPP-SOA
Available As Of	SAP S/4HANA 2021

Effects on System Administration

For using the SOAP interface [DemandHistoryNotification](#), the connection between the sender system and the receiver system has to be configured via the SOA Management Web Service Configuration (transaction: SOAMANAGER).

Effects on Customizing

For the outbound processing additional Customizing is introduced in the area /SAPAPO/PDEMCUST. Here the sending of the SOAP message can be customized, deciding on the number of demand entries per message (parameter: SOAP_SIZE) and on the splitting up of the message (parameter: SOAP_SPLIT).

11.6.2 Statistical Forecast Models

With this release you can use two new statistical forecast models in eSPP. These are the dynamic moving average model and the declining demand model.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-APO-SPP-FCS
Valid as Of	SAP S/4HANA 2021

Additional Details

The dynamic moving average model can be used if there is a large deviation of average demand in the demand history, for example, for slow-moving items. The basis for this model is the modified moving average based on weekly periods.

The declining demand model can be used for the discontinuation period of a product life cycle because it assumes there is declining demand for a product. The model avoids a trend that goes into a negative forecast.

Effects on Existing Data

Effects on Data Transfer

Effects on System Administration

Effects on Customizing

11.7 Country/Region Specifics

For country/region-specific changes, please see [Country/Region Specifics \[page 1117\]](#).

12 Integration

12.1 Business Network Integration

12.1.1 Subcontracting with Ariba Network (5I2)

With the business scenario 5I2 ([Subcontracting with Ariba Network](#)), you can now manage subcontracts with Ariba Network.

For this, the [Purchase Order - Send, Update, Cancel](#) has been extended in the service node OrderRequest_Out – ScheduleLine, with parameters for SubcontractingComponentDetails.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5I2 (Subcontracting with Ariba Network)
Application Component	MM-PUR-GF-EDI(Electronic Data Interchange), BNS-ARI(Business Network Solution Ariba), CA-GTF-INT(SAP S/4HANA Integration Content), FI-AP-AP(Basic Functions), LE-SHP-GF-ES(Enterprise Services in Shipping)
Available As Of	SAP S/4HANA 2021

Additional Details

- For more information on new or changed features, see: [What's new in SAP Ariba](#).
- Enter the feature ID in the [Search](#) field at the top of the [SAP Ariba new features](#) table to find a feature.
- Click [See More](#) in the [Description](#) of the feature to access detailed documentation.

Feature ID	Feature Title
IG-28200	Integration support to create an inbound delivery in SAP S/4HANA with component consumption details from the ship notice in the 5I2 integration scenario
IG-23635	Integration support for sending subcontracting purchase orders from SAP S/4HANA to Ariba Network in the 5I2 integration scenario
IG-25032	Integration support for component ship notice (outbound delivery) sent from SAP S/4HANA to the subcontracting vendors on Ariba Network in the 5I2 integration scenario

Related Information

[Subcontracting with Ariba Network \(5I2\)](#)

12.1.2 Enhancements for Automation of Central Procurement Quotes with Ariba Network (5JT)

The integration scenario Automation of Central Procurement Quotes with Ariba Network (5JT) now supports notes and attachments for central requests for quotation (central RFQs) and central supplier quotations:

- The central purchaser can add notes and attachments to central RFQs. The notes and attachments that have been added on the header level and item level of the central RFQ are transferred to SAP Ariba Discovery, where they can be viewed by the suppliers.
- In SAP Ariba Discovery, suppliers can add new notes and attachments to their quotes.
- When the quotes are transferred to SAP S/4HANA for central procurement, the notes and attachments can be viewed in the central supplier quotations.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5JT (Automation of Central Procurement Quotes with Ariba Network)
Application Component	BNS-INT-ARI (Ariba Integration with SAP S/4HANA)

Related Information

[Automation of Central Procurement Quotes with Ariba Network \(5JT\)](#)

12.1.3 Integration with SAP Ariba Applications

12.1.3.1 Integration support for mediated connectivity using SAP Integration Suite and native APIs to connect Ariba Network or SAP Ariba solutions with SAP S/4HANA

With this feature, buyers can use the mediated connectivity integration method involving SAP Integration Suite and native APIs to connect Ariba Network or SAP Ariba solutions with SAP S/4HANA through SAP Ariba Cloud Integration Gateway.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	2NV (Guided Buying Capability with SAP Ariba Buying) 3EN (Guided Buying for Central Procurement with SAP Ariba Buying) 4A1 (Automation of Order-to-Invoice with Ariba Network) 4AZ (Contract Management with SAP Ariba Contracts) 4B0 (Contract for Central Procurement with SAP Ariba Contracts) 4BL (Sourcing with SAP Ariba Sourcing) 4QN (Central Procurement with SAP Ariba Sourcing) 42K (Automation of Source-to-Pay with Ariba Network) 5JT (Automation of Central Procurement Quotes with Ariba Network) 4R2 (Service Procurement with Ariba Network and SAP Fieldglass)
Application Component	BNS-INT-ARI (Ariba Integration with SAP S/4HANA)
Valid as Of	SAP S/4HANA 2021

Additional Details

This feature is supported in the following integration scenarios:

- Guided Buying Capability with SAP Ariba Buying (2NV)
- Guided Buying for Central Procurement with SAP Ariba Buying (3EN)
- Automation of Order-to-Invoice with Ariba Network (4A1)
- Contract Management with SAP Ariba Contracts (4AZ)
- Contract for Central Procurement with SAP Ariba Contracts (4B0)
- Sourcing with SAP Ariba Sourcing (4BL)
- Central Procurement with SAP Ariba Sourcing (4QN)
- Automation of Source-to-Pay with Ariba Network (42K)
- Automation of Central Procurement Quotes with Ariba Network (5JT)
- Service Procurement with Ariba Network and SAP Fieldglass (4R2)

For more information on new or changed features, see [What's new in SAP Ariba](#).

- Enter the feature ID in the [Search](#) field at the top of the [SAP Ariba new features](#) table to find a feature.
- Click [See More](#) in the [Description](#) of the feature to access detailed documentation.

Feature ID	Feature Title
IG-24455	Integration support for mediated connectivity using SAP Integration Suite and native APIs to connect Ariba Network or SAP Ariba solutions with SAP S/4HANA

12.1.3.2 Guided Buying Capability with SAP Ariba Buying (2NV)

The *Guided Buying Capability with SAP Ariba Buying (2NV)* now enables you to do the following:

- Create and send customized non-catalog request forms from guided buying to SAP S/4HANA.
- Include material ID as a standard field for catalog items in guided buying requests that are sent to SAP S/4HANA. The addition of the material ID enables buyers to map the catalog items in a request to the material master.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	2NV (Guided Buying Capability with SAP Ariba Buying)
Application Component	BNS-INT-ARI (Ariba Integration with SAP S/4HANA)
Valid as Of	SAP S/4HANA 2021

Additional Details

The non-catalog request forms are sent in PDF file format as an attachment to the purchase requisition. On receiving the request with the non-catalog request forms, the users processing the request in SAP S/4HANA can open the attachment and view the additional information for the request.

For more information on new or changed features, see [What's new in SAP Ariba](#).

- Enter the feature ID in the [Search](#) field at the top of the [SAP Ariba new features](#) table to find a feature.
- Click [See More](#) in the [Description](#) of the feature to access detailed documentation.

Feature ID	Feature Title
GB-7218	Support for sending a customized request form as an attachment to SAP S/4HANA or SAP S/4HANA Cloud
GB-10579	Sending material IDs as standard fields in guided buying requests to SAP S/4HANA and SAP S/4HANA Cloud
IG-24455	Integration support for mediated connectivity using SAP Integration Suite and native APIs to connect Ariba Network or SAP Ariba solutions with SAP S/4HANA

Related Information

[Guided Buying Capability with SAP Ariba Buying \(2NV\)](#)

[Setting Up Guided Buying Capability with SAP Ariba Buying \(2NV\)](#) 

12.1.3.3 Guided Buying for Central Procurement with SAP Ariba Buying (3EN)

Guided Buying for Central Procurement with SAP Ariba Buying (3EN) now enables you to do the following:

- Create and send customized non-catalog request forms from guided buying to SAP S/4HANA.
- Include material ID as a standard field for catalog items in guided buying requests that are sent to SAP S/4HANA. The addition of the material ID enables buyers to map the catalog items in a request to the material master.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	3EN (Guided Buying for Central Procurement with SAP Ariba Buying)
Application Component	BNS-INT-ARI (Ariba Integration with SAP S/4HANA)
Valid as Of	SAP S/4HANA 2021

Additional Details

The non-catalog request forms are sent in PDF file format as an attachment to the purchase requisition. On receiving the request with the non-catalog request forms, the users processing the request in SAP S/4HANA can open the attachment and view the additional information for the request.

For more information on new or changed features, see [What's new in SAP Ariba](#).

- Enter the feature ID in the [Search](#) field at the top of the [SAP Ariba new features](#) table to find a feature.
- Click [See More](#) in the [Description](#) of the feature to access detailed documentation.

Feature ID	Feature Title
GB-7218	Support for sending a customized request form as an attachment to SAP S/4HANA or SAP S/4HANA Cloud
GB-10579	Sending material IDs as standard fields in guided buying requests to SAP S/4HANA and SAP S/4HANA Cloud
IG-24455	Integration support for mediated connectivity using SAP Integration Suite and native APIs to connect Ariba Network or SAP Ariba solutions with SAP S/4HANA

Related Information

[Guided Buying for Central Procurement with SAP Ariba Buying \(3EN\)](#)

[Setting Up Guided Buying for Central Procurement with SAP Ariba Buying \(3EN\)](#) 

12.1.3.4 Contract Management with SAP Ariba Contracts (4AZ)

The scope item [Contract Management with SAP Ariba Contracts \(4AZ\)](#) now enables you to do the following:

- Create and send contracts with document category, *Scheduling Agreement* and document types, *LP* (scheduling agreement without release) and *LPA* (scheduling agreement with release) from SAP Ariba Contracts to SAP S/4HANA.
- Create and send lean service items from SAP Ariba Contracts to SAP S/4HANA.
- Use the mediated connectivity integration method involving SAP Integration Suite and native APIs to connect Ariba Network or SAP Ariba solutions with SAP S/4HANA through SAP Ariba Cloud Integration Gateway.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4AZ (Contract Management with SAP Ariba Contracts)
Application Component	BNS-INT-ARI (Ariba Integration with S/4HANA)
Valid as Of	SAP S/4HANA 2021

Additional Details

Creation of Scheduling Agreement in SAP Ariba Contracts

When a contract of document category, 'scheduling agreement' is created and approved in SAP Ariba Contracts, it is sent to SAP S/4HANA. An operational purchase scheduling agreement is created and approved. The delivery schedules of the purchase scheduling agreement are then maintained and released.

For more information on new or changed features, see [What's new in SAP Ariba](#).

1. Enter the feature ID in the [Search](#) field at the top of the [SAP Ariba new features](#) table to find a feature.
2. Click [See More](#) in the [Description](#) of the feature to access detailed documentation.

Feature ID	Feature Title
IG-16469	Support for document category, Scheduling Agreement in Contract Management with SAP Ariba Contracts and S/4HANA Cloud
SC-12270	Support for lean-service items in central contracts and purchase contracts sent to SAP S/4HANA Cloud in the 4AZ and 4B0 integration scenarios
IG-24455	Integration support for mediated connectivity using SAP Integration Suite and native APIs to connect Ariba Network or SAP Ariba solutions with SAP S/4HANA

Related Information

[Contract Management with SAP Ariba Contracts \(4AZ\)](#)

12.1.3.5 Contract for Central Procurement with SAP Ariba Contracts (4B0)

The scope item [Contract for Central Procurement with SAP Ariba Contracts \(4B0\)](#) now enables you to do the following:

- Create contracts in SAP Ariba Contracts based on awarded sourcing events and send it to SAP S/4HANA.
- Create and send lean service items from SAP Ariba Contracts to SAP S/4HANA.
- Use the mediated connectivity integration method involving SAP Integration Suite and native APIs to connect Ariba Network or SAP Ariba solutions with SAP S/4HANA through SAP Ariba Cloud Integration Gateway.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4B0 (Contract for Central Procurement with SAP Ariba Contracts)
Application Component	BNS-INT-ARI (Ariba Integration with S/4HANA)
Valid as Of	SAP S/4HANA 2021

Additional Details

For more information on new or changed features, see [What's new in SAP Ariba](#).

1. Enter the feature ID in the [Search](#) field at the top of the [SAP Ariba new features](#) table to find a feature.
2. Click [See More](#) in the [Description](#) of the feature to access detailed documentation.

Feature ID	Feature Title
DMS-15102	Support for integrating SAP Ariba Sourcing with the central procurement hub in Contract for Central Procurement with SAP Ariba Contracts (4B0)
SC-12270	Support for lean-service items in central contracts and purchase contracts sent to SAP S/4HANA Cloud in the 4AZ and 4B0 integration scenarios
IG-24455	Integration support for mediated connectivity using SAP Integration Suite and native APIs to connect Ariba Network or SAP Ariba solutions with SAP S/4HANA

Related Information

[Contract for Central Procurement with SAP Ariba Contracts \(4B0\)](#)

12.2 Integration for Purchasing

12.2.1 Service Procurement with Ariba Network and SAP Fieldglass (4R2)

The scope item *Service Procurement with Ariba Network and SAP Fieldglass (4R2)* enables you to seamlessly process the procurement of services across SAP S/4HANA, Ariba Network as well as SAP Fieldglass. This procurement process especially focuses on a close cooperation between purchasers and suppliers of lean services. All data is routed through SAP Ariba Cloud Integration Gateway.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Service Procurement with Ariba Network and SAP Fieldglass
Application Component	BNS-INT-ARI (<i>Ariba Integration with SAP S/4HANA</i>)
	BNS-INT-FG (<i>Fieldglass Integration</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

Each purchase order has to contain at least one service item. It can contain additional standard service and material items, as well as enhanced limit items without contract reference. For a detailed business scenario description as well as setup instructions, see the linked documentation.

Related Information

[Service Procurement with Ariba Network and SAP Fieldglass \(4R2\)](#)

[Setting Up Service Procurement with Ariba Network and SAP Fieldglass \(4R2\)](#) 

12.3 Integration with SAP Concur

12.3.1 Additional Posting Settings UI

As of this release, the [Additional Posting Settings](#) UI maintains many of the customizing options found previously in the [Financial Posting](#) wizard.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	BNS-CON-SE-S4-FIN (Concur S4HANA Financial Integration)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can access this screen by choosing ► [Financial Posting](#) ► [Additional Posting Settings](#) ► in transaction CTE_SETUP.

Note

The [Financial Posting](#) import wizard must be executed at least once before this UI can be called.

The following options are now maintained in the [Additional Posting Settings](#):

- Attachments
- Payment notification
- Filling the [Service Rendered Date](#)
- Condensing of line items
- Creation of one financial document

Effects on Existing Data

For existing Concur integration connections, your selections in the [Financial Posting](#) wizard will be transferred to the [Additional Posting Settings](#) screen upon upgrade.

Related Information

[Integrating SAP S/4HANA Systems with SAP Concur](#)

12.3.2 Enhanced Data Destruction of Concur Documents

The ILM objects CTE_FIN_DESTRUCTION and CTE_HCM_DESTRUCTION are available for you to destroy Concur documents in your SAP S/4HANA system per company code and/or retention date.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	BNS-CON-SE-S4-FIN (Concur S4HANA Financial Integration)
Valid as Of	SAP S/4HANA 2021

Additional Details

To destroy the Concur documents per the company code and/or retention date, you must set the parameters as part of the ILM policy.

In addition to the deletion of employee-specific data, you can also use transaction CTE_DATA_DESTRUCTION to set the parameters when [ILM Destruction Run](#) is selected in section [Selection Criteria](#).

If you need to create an incident related to the ILM Object CTE_HCM_DESTRUCTION, use component BNS-CON-SE-S4-HCM.

For detailed information concerning data protection and privacy for the Concur integration, see the [SAP Integration with Concur Solutions - Setup Guide](#).

Related Information

[Integrating SAP S/4HANA Systems with SAP Concur](#)
[SAP Information Lifecycle Management](#)

12.3.3 Debit/Credit Condense of Vendor Line Items

You can condense identical vendor line items based on the debit/credit classifications when the posting behavior is optimized.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	BNS-CON-SE-S4-FIN (Concur S4HANA Financial Integration)
Valid as Of	SAP S/4HANA 2021

Additional Details

Prerequisite: [Optimize posting behavior for FI document splitting](#) is active.

To condense your debit and credit vendor line items, choose ► [Financial Posting](#) ► [Additional Posting Settings](#) ► in transaction CTE_SETUP. In section [Condensing Line Items](#), a drop-down is available to change the selection.

Per default, the setting **Do not condense vendor line items** is selected.

Additional information regarding the debit/credit condense can be found in the [SAP Integration with Concur Solutions - Setup Guide](#).

Related Information

[Integrating SAP S/4HANA Systems with SAP Concur](#)

12.3.4 Replication of Transaction Date as Service Rendered Date

An expense entry's transaction date can be replicated as the [Service Rendered Date](#) (FBUDA) during the posting process.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	BNS-CON-SE-S4-FIN (Concur S4HANA Financial Integration)
Valid as Of	SAP S/4HANA 2021

Additional Details

To activate this feature, execute transaction CTE_SETUP and choose ► [Financial Posting](#) ► [Additional Posting Settings](#) . On the screen, select the relevant checkbox and choose [Save](#).

For itemized expense types, the transaction date from the itemized level is selected versus the expense entry level.

Related Information

[Integrating SAP S/4HANA Systems with SAP Concur](#)

12.3.5 Support of Zero Postings to Wage Types

Payroll documents that result in a zero amount for a wage type are now supported if required.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable

Additional Details

To activate this feature, execute transaction CTE_SETUP and choose ► [Payroll Posting](#) ► [Change Import](#) ►. On step [Posting Settings](#), select [Allow wage types to process zero amounts](#). Then complete the wizard to save the change.

This feature is client dependent and any setting made will affect all Concur integration connections accordingly.

Related Information

[Integrating SAP S/4HANA Systems with SAP Concur](#)

12.4 Master Data Integration

12.4.1 New Features for Workforce Integration Using SAP Master Data Integration Service

With this feature, you can replicate contingent workers. In order to enable it, you need to implement the new BAdI /SHCM/B_EXTERNAL_EMPLOYEE that is available in Customizing under ► [Personnel Management](#) ► [Workforce Integration](#) ► [BAdI: Contingent Worker](#) ►. With this BAdI you can check whether an employee is internal, or whether they are a contingent worker, meaning that they are external.

Moreover, the PA-PD integration check has been removed. Originally, the PA-PD integration had to be deactivated before workforce master data could be replicated via SAP Master Data Integration service. Now, for all employees maintained in the system (SAP S/4HANA) directly, this integration can remain active. In this case though, the feature PLOGI needs to be maintained.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-HR-S4 (<i>Cross-Application HCM Objects in S/4HANA</i>)
Valid as Of	SAP S/4HANA 2021

12.5 SAP Conversational AI

It is now possible to integrate SAP S/4HANA with SAP Conversational AI. Chatbots that you create with SAP Conversational AI can then be accessed from SAP S/4HANA via the SAP Fiori launchpad, for example.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-FLP-EXT-CAI (<i>SAP Conversational AI Integration to FLP</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

- The product page for SAP Conversational AI contains information about its key features, configuration guides, and more: https://help.sap.com/viewer/product/SAP_CONVERSATIONAL_AI.
- For details about how to carry out the integration, see the integration documentation here: https://help.sap.com/viewer/product/SAP_CONVERSATIONAL_AI/latest/en-US?task=implement_task.

12.6 Country/Region Specifics

For country/region-specific changes, please see [Country/Region Specifics \[page 1117\]](#).

13 Cross Components

13.1 Deprecation of Predictive Analytics integrator (PAi) Apps

Predictive Analytics integrator (PAi) is now integrated with Intelligent Scenario Lifecycle Management (ISLM).

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	BW-EI-PA
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

The *Intelligent Scenario Management* app is the successor of the *Predictive Models* app. Similarly, the *Intelligent Scenarios* app is the successor of the *Predictive Scenarios* app.

The *Predictive Models* and *Predictive Scenarios* apps are deprecated as of SAP S/4HANA Cloud 2108 and will be deleted from the SAP Fiori launchpad in the upcoming release. The apps may no longer be available by default on the SAP Fiori launchpad. However, you can still locate them using the app finder until they are deleted.

Related Information

[Introduction to Intelligent Scenario Lifecycle Management](#)

13.2 Deprecation of SAP Design Studio Apps

Technical Details

Most SAP Design Studio apps are no longer supported and will be deleted from the system as of SAP S/4HANA 2022. This includes all Finance apps based on the Design Studio technology. The apps are no longer available by default on the SAP Fiori launchpad. However, you can still locate them using the app finder until they are deleted. For more information see [Deprecation of SAP Design Studio Apps in Finance \[page 92\]](#).

You can find a complete list of all SAP Design Studio app deprecated in SAP S/4HANA 2021 in the following SAP Note: [3081996](#).

In the system, you can easily identify the deprecated apps by the word *Deprecated* on the respective tiles.

Type	Deprecated
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA
Available As Of	SAP S/4HANA 2021

Additional Details

SAP Design Studio apps refer to multidimensional reports based on the SAP Design Studio template.

In contrast, the Web Dynpro data grid is the default reporting tool for all drill-down reporting. The Web Dynpro apps offer not only feature parity compared to their Design Studio counterparts but also many additional advantages:


- Available for desktop and tablet devices
- Comply with SAP's Accessibility Standard
- Offer a generic PDF download function
- Offer exception reporting
- The extremely flexible filters are shown in the header area of a data grid app (no separate popup as in Design Studio apps)
- The navigation panel can be hidden to leave more space on the screen.

You can add dimensions and measures from the data source on the fly. In this way, your queries may contain only the most important dimensions and measures.

For more information, see the SAP Community Blog <http://help.sap.com/disclaimer?site=https://blogs.sap.com/2021/03/18/six-reasons-why-web-dynpro-is-better-than-design-studio-in-sap-s-4hana-cloud/>.

Effects on Existing Data

The SAP Web Dynpro apps are the successor apps and they are already the default tiles on the SAP Fiori launchpad. We recommend that you switch to the successor apps as soon as possible.

For a complete list of deprecated SAP Design Studio apps and their successor apps, see SAP Note <https://launchpad.support.sap.com/#/notes/> 

Customer Design Studio Apps

You can continue to use Design Studio reports that you created using the View Browser. However, you can no longer create new ones. We recommend creating Web Dynpro reports instead.

Unfortunately, the custom design studio apps cannot be migrated automatically to Web Dynpro apps. You need to recreate them as Web Dynpro reports using the View Browser. For more information, see [View Browser](#).

Related Information

[Deprecation of SAP Design Studio Apps in Finance \[page 92\]](#)

[Deprecation of Design Studio Apps in Sales Analytics \[page 712\]](#)

13.3 Manage KPIs and Reports

You can do the following:

- Save, edit, and delete the applications created from stories
- Resolve conflicting tiles by deleting the tiles
- Edit and delete connections in the SAP S/4HANA systems

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-GTF-SB-S4H-DT (<i>SAP Smart Business S4H - Design Time</i>) CA-GTF-SB-S4H-RT (<i>SAP Smart Business S4H - Run Time</i>)

Related Information

[Manage KPIs and Reports](#)

13.4 View Browser

This app is enhanced with the following. You can:

- View the [Supported Capabilities](#) and [Modeling Pattern](#) of the CDS views
- Display the analytical queries using Web Dynpro Grid.
- Create multi-dimensional reports using the Web Dynpro template.
- View the [Transactional](#) view type

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-GTF-VDM-VB (View Browser)
Valid as Of	SAP S/4HANA 2021

13.5 Share Bookmarks in Web Dynpro Apps

In Web Dynpro apps, you can create bookmarks to save your table and graphical display setting. It's now possible to share these bookmarks and make them available to all users.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA (Cross-Application Components)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

If you want to share bookmarks in Web Dynpro apps, you need to have the SAP_CORE_BC_UI_SHARE_PC ([User Interface - View Sharing](#)) business catalog assigned to your role.

Related Information

[Using Analytical Reports \(Web Dynpro Apps\)](#)

13.6 New Business Catalog SAP_CORE_BC_UI_SHARE_PC for Sharing Bookmarks in Web Dynpro Apps

You can now assign the new business catalog SAP_CORE_BC_UI_SHARE_PC ([User Interface - View Sharing](#)) to roles. This enables users to share bookmarks in Web Dynpro apps.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA (Cross-Application Components)

Related Information

[Using Analytical Reports \(Web Dynpro Apps\)](#)

[Adding and Removing Catalogs, Groups and Spaces to/from Roles](#)

13.7 Manage Search Models

This app is enhanced with the following:

- ID-based search for the selected field. The search results display a list of search models filtered for either first or last four digits of the selected field.
- Enable custom fields created by business users in the search field. Additionally, you can edit the attributes of the custom fields in the same way you would normal fields.

Technical Details

Type	Enhanced
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-GTF-HSB (HANA Search for Business Suite)
Valid as Of	SAP S/4HANA 2021

Related Information

[Manage Search Models](#)

13.8 Business User Management

13.8.1 CDS View for Business User Management

The Business User CDS view was deprecated in SAP S/4HANA 2021. The CDS view is no longer available by default and will be deleted as of SAP S/4HANA Cloud 2022. We strongly recommend replacing the deprecated CDS view with the successor Business User - Basic.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	BC-SRV-BUM (<i>Business User Management - Basis</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Business User \(Deprecated\)](#)
[Business User Basic](#)

13.8.2 Maintain Employees (F2288A)

With the [Maintain Employees](#) (F2288A) app you can create employees and modify employee information.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	CA-GTF-BUM (<i>Business User Management</i>)
Valid as Of	SAP S/4HANA 2021

Effects on Existing Data

This app is the successor of the *Maintain Employees* (F2288) app. The *Maintain Employees* (F2288) app is deprecated and will be deleted from the SAP Fiori launchpad in an upcoming release. The deprecated app may no longer be available by default on the SAP Fiori launchpad. In this case, you can find it in the app finder until it is deleted. We recommend that you switch to the successor app as soon as possible.

Related Information

[Maintain Employees \(F2288A\)](#)

13.9 Master Data Maintenance

13.9.1 Business Partner, Customer, Supplier

13.9.1.1 Multiple Address Handling in Customer Master Data

With this feature, enhancements were made to the SAP Business Partner data model that enable you to enrich customer addresses in the business partner master with address-dependent data.

It provides the prerequisites for applications and documents across the sales process and beyond to consume the address-dependent data associated with a business partner's multiple addresses.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	LO-MD-BP (Business Partners)
	BC-SRV-BP (Business Partner Foundation)
Valid as Of	SAP S/4HANA 2021

Additional Details


With multiple address handling, you can increase the flexibility and efficiency with which the system handles business partner addresses in applications and documents (for example, sales orders and billing documents) across sales and distribution (SD) and some other parts of the system (for example, settlement management).

When multiple address handling is not active, the system uses the standard customer master data model, which can only store a single customer address per customer master record. A legal entity with N addresses is therefore typically maintained as N parallel customer master records assigned to the same number of N business partner (BP) master records. This in turn leads to data redundancies, because the same legal entity is often represented in the system multiple times, once for each physical address.

To activate this functionality, you must enable the [Multiple Address Handling for Customer Master Data in Business Partner](#) (BPCUSTOMER_MULTIPLE_ADDRESSES) business function.

For information about this business function, see [Multiple Address Handling for Customer Master Data in Business Partner](#).

In addition to the aforementioned business function, you must also activate the business function [Multiple Address Handling for Business Partners in Sales and Distribution](#) (Q2C_MULTIPLE_BP_ADDRESSES) to support multiple addresses and address-dependent data from BP master records across the entire quote-to-cash process. For more information, see [Multiple Address Handling for Business Partners in Sales and Distribution](#).

When multiple address handling is active and customer master data is consolidated as required, the application can model and process the relationships between BPs and their addresses in a way that more closely reflects the real-world legal and physical realities, where a single legal entity can have multiple physical addresses. For consolidation best practices, see the **Master Data Guide** and **Master Data Migration Guide** attached to SAP Note [3067314](#) .

Applications and documents across SD can then consume multiple addresses and address-dependent data of the same business partner master record that is assigned to a single customer master record.

Features

The master data model, comprising both the BP master and customer master, has been enhanced with the capability to store address-dependent data. For certain fields in customer master data, it's now possible to maintain different values for respective addresses of a business partner. You can maintain address-dependent data in the [Manage Business Partner Master Data](#), [Manage Customer Master Data](#), and [Maintain Business Partner](#) apps. For more information and a list of potentially address-dependent fields, see [Address-Dependent Data](#).

Effects on Existing Data

Please be aware that the business functions (BPCUSTOMER_MULTIPLE_ADDRESSES and Q2C_MULTIPLE_BP_ADDRESSES) that enable multiple address handling are irreversible and, once enabled, cannot be disabled.

However, activation should not have any disruptive effects, and all business processes remain as they are. **No existing master data records are changed automatically.**

- Activation of the [Multiple Address Handling for Customer Master Data in Business Partner](#) (BPCUSTOMER_MULTIPLE_ADDRESSES) business function provides the prerequisites for consolidating existing master data and enriching it with address-dependent data.
- Activation of the [Multiple Address Handling for Business Partners in Sales and Distribution](#) (Q2C_MULTIPLE_BP_ADDRESSES) causes partner functions in newly created SD documents to reference addresses maintained in BP master data records, instead of the standard addresses maintained in customer master data records.

No business data is changed, and the system will still be able to process SD documents created before business function activation that reference customer master data records.

Related Information

[Multiple Address Handling in SD Documents Using SAP Business Partner](#)
[Multiple Address Handling for Customer Master Data in Business Partner](#)
[Multiple Address Handling for Business Partners in Sales and Distribution](#)
[Multiple Address Handling in Customer Master Data](#)

13.9.1.2 Manage Business Partner Master Data

The [Manage Business Partner Master Data](#) is enhanced with the following features:

- Birth Date Status
- Attachments
- Create with Reference
- Mask Sensitive Personal Data
- Classification
- Multiple Assignment
- Payment Reason
- Supply Region
- UI Facets and Fields

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-MD-FIO-BP (<i>Business Partners</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

Birth Date Status

You can specify unknown parts of the birthdate for a business partner type *Person* at the *General Information* facet. If the Business Partner's actual birthdate is unknown, you can make a partial entry in the *Birth Date* field and indicate which part of the birthdate is unknown in the *Birth Date Status* field. In case a valid date is maintained in the *Birth Date* field, system by default marks the birthdate status as *Fully Known*, and in case no date is maintained, system marks the field as *Fully Unknown*.

Following are the birth date statuses for the business partner type *Person*:

- Day Unknown
- Month Unknown
- Year Unknown
- Day and Month Unknown
- Month and Year Unknown
- Day and Year Unknown
- Fully Unknown
- Fully Known

Attachments

With the Harmonized Document Management (HDM) solution for attachments, you can create Document Management System (DMS) attachments and view the existing Generic Object Services (GOS) based attachments. The DMS attachments supports advanced features.

Create with Reference

You can use this feature to create a customer/supplier role with reference to the customer/supplier role of another business partner record. This feature is available at *Role* facet or via the role navigation for the customer/supplier role categories FLCU00, FLCU01, FLVN00, FLVN01.

Mask Sensitive Personal Data

You can mask the sensitive personal data of Business Partner Identification Types and Tax Categories using the new business partner role assignment *BUPSPD (Specialist for Sensitive Personal Data)*.

The new business partner role assignment *BUPSPD (Specialist for Sensitive Personal Data)* allows an administrator to control the authorization of users and user profile restrictions. An authorized user can view

and maintain the sensitive personal data for Identification Types and Tax Categories. Whereas, the sensitive personal data is masked for a non-authorized user and they cannot maintain the data.

Classification

You can use the classification feature to assign classes to a business partner master data record and evaluate its characteristics.

Multiple Assignment

You can create multiple new customers or suppliers and assign to the same business partner via the role navigation. You can maintain multiple addresses for the same business partner and assign one address to each additional customer or additional supplier record.

Payment Reason

You can specify a reason for the payment via the customer or supplier role navigation. You can select the *Payment Reason* at:

- [Basic Data](#) > [Customer Information](#) for customer or [Basic Data](#) > [Supplier Information](#) for supplier
- [Company Code](#) > [Finance](#) for customer or supplier

Note

If you maintain the payment reason on the business partner, this value will be used as long as the payment reason has not been maintained on the financial accounting (FI). The most general value is on the basic data of the business partner. The value maintained on the company code data of the business partner has a priority over the basic data. The value on the financial accounting (FI) has a priority over both basic data and company code data of the business partner.

Supply Region

You can specify which regional zones the supplier supplies to via the supplier role navigation at [Purchasing Organization](#) > [Supply Region](#).

UI Facets and Fields

Following are the new facets/fields:

- [Address Independent Communication](#)
You can create communication data (for example, telephone number, cell phone number, email) for a business partner without having to enter a postal address.
- [International Location Number](#)
You can maintain the International Location Number (ILN) for a business partner type *Organization* at [Identification](#) > [Organization Data](#).
- [Notes](#)
You can maintain notes for a business partner object at [Basic Data](#) > [Notes](#).
- [Correspondence Language](#) field in [Contacts](#). The [Correspondence Language](#) is a display-only field.
- [Additional Data](#) facet with customer group fields via the customer role navigation.
- [Group Key](#) field in [Customer Information](#) and [Supplier Information](#) sections via the customer/supplier role navigation.
- [Swift Code](#) field corresponding to the bank key is now available on the UI in [Bank Accounts](#) facet. The [Swift Code](#) is a display-only field and its value corresponds to the Swift Code of the chosen bank.

- [Maximum Partial Deliveries](#) field in [Sales Area Details](#) section via the customer role navigation.

i Note

There are new fields added that are not part of the standard UI. You can access these fields from the consumption view using the key user extensibility. For the list of fields, see [2787216](#).

Following are the fields added under the different facets:

Facet	Fields
▶ Basic Data ▶ Notes ▶	Language
	ID
	Text
▶ Identification ▶ Organization Data ▶	International Location No. 1
	International Location No. 2
	Check Digit
▶ Roles (FLCU00, FLCU01) ▶ Sales Area ▶ Additional Data ▶	Customer Group 1
	Customer Group 2
	Customer Group 3
	Customer Group 4
	Customer Group 5
▶ Roles (FLCU00, FLCU01) ▶ Sales Area ▶ Sales Area Details ▶ Partial Deliveries ▶	Maximum Partial Deliveries
▶ Roles (FLCU00, FLCU01, FLVN00, FLVN01) ▶ Basic Data ▶ Customer Information/Supplier Information ▶	Group Key
▶ Bank Accounts ▶	Swift Code
▶ Contacts ▶ Personal Data ▶	Correspondence Language

Business Partner Consistency Check

You can quickly validate your business partner for customer/vendor roles, and check for inconsistencies.

With [Business Partner Consistency Check](#), you can run through your records and perform business checks to find if there are missing values in mandatory fields.

Effects on Customizing

To use the mask sensitive personal data feature, you must select the option [Sensitive Personal Data](#) in the following Customizing:

- [Cross-Application Components](#) > [SAP Business Partner](#) > [Basic Settings](#) > [Identification Numbers](#) > [Define Identification Types](#) for Identification Types.
- [Cross-Application Components](#) > [SAP Business Partner](#) > [Basic Settings](#) > [Tax Numbers](#) > [Maintain Tax Number Categories](#) for Tax Categories.

Related Information

[Manage Business Partner Master Data](#)
[Mask Sensitive Personal Data](#)
[Classification](#)
[Multiple Assignment](#)
[Create with Reference](#)

13.9.1.3 Manage Customer Master Data

The [Manage Customer Master Data](#) app is enhanced with the following features:

- Attachments
- Classification
- Create with Reference
- Mask Sensitive Personal Data
- Payment Reason
- UI Fields and Facets

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-MD-FIO-CM (Customer Master)
Valid as Of	SAP S/4HANA 2021

Additional Details

Attachments

With the Harmonized Document Management (HDM) solution for attachments, you can create Document Management System (DMS) attachments and view the existing Generic Object Services (GOS) based attachments. The DMS attachments supports advanced features.

You can store attachments at [Customer General](#), [▶▶ Contacts ▶ Attachments](#), [▶▶ Customer ▶ Company Code](#) and [▶▶ Customer ▶ Sales Areas](#) for the customer.

Classification

You can use the classification feature to assign classes to a customer master data record and evaluate its characteristics.

Create with Reference

You can use this option to create a new [Company Code](#) or [Sales Areas](#) by copying the data from an existing business partner's company code or sales organization.

Mask Sensitive Personal Data

You can mask the sensitive personal data of Business Partner Identification Types and Tax Categories using the new business partner role assignment [BUPSPD \(Specialist for Sensitive Personal Data\)](#).

The new business partner role assignment [BUPSPD \(Specialist for Sensitive Personal Data\)](#) allows an administrator to control the authorization of users and user profile restrictions. An authorized user can view and maintain the sensitive personal data for Identification Types and Tax Categories. Whereas, the sensitive personal data is masked for a non-authorized user and they cannot maintain the data.

Payment Reason

You can specify a reason for the payment by selecting the [Payment Reason](#) at:

- [▶▶ Basic Data ▶ Customer Information](#)
- [▶▶ Company Code ▶ Finance](#)

i Note

If you maintain the payment reason on the business partner, this value will be used as long as the payment reason has not been maintained on the financial accounting (FI). The most general value is on the basic data of the business partner. The value maintained on the company code data of the business partner has a priority over the basic data. The value on the financial accounting (FI) has a priority over both basic data and company code data of the business partner.

UI Fields and Facets

Following are the new facets/fields:

- [Additional Information](#) section in [Basic Data](#) facet for maintaining additional customer data.
- New fields in customer [Basic Data](#), [Company Code](#) and [Sales Areas](#) facet levels.
- [Additional Data](#) facet with customer group fields.
- [Group Key](#) field in [Customer Information](#) section.
- [Swift Code](#) field corresponding to the bank key is now available on the UI in [Bank Accounts](#) facet. The [Swift Code](#) is a display-only field and its value corresponds to the Swift Code of the chosen bank.
- [Maximum Partial Deliveries](#) field in [Sales Area Details](#) section.
- [Correspondence Language](#) field in [Contacts](#). The [Correspondence Language](#) is a display-only field.

i Note

There are new fields added that are not part of the standard UI. You can access these fields from the consumption view using the key user extensibility. For the list of fields, see [2787216](#).

Following are the fields added under the different facets:

Facet	Fields
Basic Data > Additional Information	Express Station
	Plant
	Train Station
	Location Code
	Industry Code 1
	Industry Code 2
	Condition Group 1
	Condition Group 2
Basic Data > Customer Information	Group Key
Contacts > Personal Data	Correspondence Language
Bank Accounts	Swift Code
Company Code > Finance > Payment Data	Check Cashing Time
	Bill Exchange Charges Payment Terms
Company Code > Finance > Accounting	Release Group
Company Code > General Data	Payment Block
Sales Area > General Data	Order Block
	Billing Block
	Delivery Block
Sales Area > Additional Data	Customer Group 1
	Customer Group 2
	Customer Group 3
	Customer Group 4
	Customer Group 5
Sales Area > Sales Area Details > Sales Orders	Authorization Group
Sales Area > Sales Area Details > Shipping	POD Relevant
	Unlimited Tolerance
	Underdelivered Tolerance
	Overdelivered Tolerance

Facet	Fields
▶ Sales Area ▶ Sales Area Details ▶ Pricing and Statistics ▶	Price List
▶ Sales Area ▶ Sales Area Details ▶ Partial Deliveries ▶	Maximum Partial Deliveries
▶ Sales Area ▶ Sales Area Details ▶ Billing ▶	Credit Control Area
	Subsequent Invoice Process
	Rebate-Relevant
	Price Determination Relevant

Effects on Customizing

To use the mask sensitive personal data feature, you must select the option *Sensitive Personal Data* in the following Customizing:

- ▶ [Cross-Application Components](#) ▶ [SAP Business Partner](#) ▶ [Basic Settings](#) ▶ [Identification Numbers](#) ▶ [Define Identification Types](#) ▶ for Identification Types.
- ▶ [Cross-Application Components](#) ▶ [SAP Business Partner](#) ▶ [Basic Settings](#) ▶ [Tax Numbers](#) ▶ [Maintain Tax Number Categories](#) ▶ for Tax Categories.

Related Information

[Attachments](#)

[Classification](#)

[Manage Customer Master Data](#)

[Mask Sensitive Personal Data](#)

13.9.1.4 Manage Supplier Master Data

The [Manage Supplier Master Data](#) app is enhanced with the following features:

- Attachments
- Classification
- Create with Reference
- Mask Sensitive Personal Data
- Payment Reason
- Supply Region
- UI Facets and Fields

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-MD-FIO-VM (Supplier Master)
Valid as Of	SAP S/4HANA 2021

Additional Details

Attachments

With the Harmonized Document Management (HDM) solution for attachments, you can create Document Management System (DMS) attachments and view the existing Generic Object Services (GOS) based attachments. The DMS attachments supports advanced features.

You can store attachments at [Supplier General](#), ► [Supplier](#) ► [Company Code](#) ► and ► [Supplier](#) ► [Purchasing Organization](#) ► for the customer.

Classification

You can use the classification feature to assign classes to a supplier master data record and evaluate its characteristics.

Create with Reference

You can use this option to create a new [Company Code](#) or [Purchasing Organization](#) by copying the data from an existing business partner's company code or purchasing organization.

Mask Sensitive Personal Data

You can mask the sensitive personal data of Business Partner Identification Types and Tax Categories using the new business partner role assignment [BUPSPD \(Specialist for Sensitive Personal Data\)](#).

The new business partner role assignment [BUPSPD \(Specialist for Sensitive Personal Data\)](#) allows an administrator to control the authorization of users and user profile restrictions. An authorized user can view and maintain the sensitive personal data for Identification Types and Tax Categories. Whereas, the sensitive personal data is masked for a non-authorized user and they cannot maintain the data.

Payment Reason

You can specify a reason for the payment by selecting the [Payment Reason](#) at:

- [Basic Data](#) ► [Supplier Information](#) ►
- [Company Code](#) ► [Finance](#) ►

i Note

If you maintain the payment reason on the business partner, this value will be used as long as the payment reason has not been maintained on the financial accounting (FI). The most general value is on the basic

data of the business partner. The value maintained on the company code data of the business partner has a priority over the basic data. The value on the financial accounting (FI) has a priority over both basic data and company code data of the business partner.

Supply Region

You can specify which regional zones the supplier supplies at ► [Purchasing Organization](#) ► [Supply Region](#) ►.

UI Facets and Fields

Following are the new facets/fields:

- [Additional Information](#) section in [Basic Data](#) facet for maintaining additional supplier data.
- New fields in supplier [Basic Data](#), [Company Code](#) and [Purchasing Organization](#) facet levels.
- [Group Key](#) field in [Supplier Information](#) section.
- [Swift Code](#) field corresponding to the bank key is now available on the UI in [Bank Accounts](#) facet. The [Swift Code](#) is a display-only field and its value corresponds to the Swift Code of the chosen bank.
- [Correspondence Language](#) field in [Contacts](#). The [Correspondence Language](#) is a display-only field.

Note

There are new fields added that are not part of the standard UI. You can access these fields from the consumption view using the key user extensibility. For the list of fields, see [2787216](#) ►.

Following are the fields added under the different facets:

Facet	Field
► Basic Data ► Additional Information ►	Block Function
	Plant
	Data Medium Exchange Indicator
	Instruction Key
	Origin Acceptance
► Basic Data ► Tax Data ►	Tax Type
	Tax Base
	Fiscal Address
	Sales Equalization Tax
► Basic Data ► Supplier Information ►	Reference Account Group
	Group Key
► Bank Accounts ►	Swift Code
► Contacts ► Personal Data ►	Correspondence Language
► Company Code ► Finance ► Accounting ►	Release Group
	Certification Date
► Company Code ► Finance ► Payment ►	Credit Memo Payment Terms

Facet	Field
Purchasing Organization > Purchasing > Flags	Grant Free Goods
	Relevant for Settlement Management
	Origin Acceptance

Origin Acceptance

A new field Origin Acceptance is added as part of the Supplier data model (General Data and Purchasing Organization) to proclaim the explicit mandatory declaration for goods in transit.

Effects on Customizing

To use the mask sensitive personal data feature, you must select the option *Sensitive Personal Data* in the following Customizing:

- [Cross-Application Components](#) > [SAP Business Partner](#) > [Basic Settings](#) > [Identification Numbers](#) > [Define Identification Types](#) for Identification Types.
- [Cross-Application Components](#) > [SAP Business Partner](#) > [Basic Settings](#) > [Tax Numbers](#) > [Maintain Tax Number Categories](#) for Tax Categories.

Related Information

[Attachments](#)

[Classification](#)

[Manage Supplier Master Data](#)

[Mask Sensitive Personal Data](#)

13.9.1.5 Field Status Control Based on Account Groups

You can define field status (optional entry, required entry, suppress and display) for the general data, company code and sales area or purchasing data fields in the customer or supplier account groups customizing. You use the Customizing for configuring the field status based on customer and supplier account groups.

You can also control the general data, company code, and sales area or purchasing organization fields UI properties for *Additional Customers* and *Additional Suppliers* by defining the field statuses.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-MD-FIO-CM (<i>Customer Master</i>) LO-MD-FIO-VM (<i>Supplier Master</i>) LO-MD-FIO-BP (<i>Business Partners</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

When you define the field statuses using the configurations, the corresponding fields' UI properties reflect in the Fiori apps *Manage Customer Master Data* (for customer), *Manage Supplier Master Data* (for supplier) and *Manage Business Partner Master Data* (via role navigation: FLCU01, FLCU00, FLVN01, FLVN00). Besides the Fiori apps, the field property customizing settings also reflects in the UI for *Maintain Business Partner* WebGUI app.

Important

Based on the field status configuration, the field UI properties reflect in the *Manage Customer Master Data*, *Manage Supplier Master Data* and *Manage Business Partner Master Data* Fiori apps (for standard Customer/Supplier roles only). However this manifests only for the scope of fields existing on the standard Fiori UIs of the respective apps.

Caution

You must validate the presence of a given field as a standard field on the Fiori apps UI, before setting the field as a *Req. Entry* (mandatory) in the Customizing. Otherwise, this will lead to backend errors which cannot be fixed from the UI.

Effects on Existing Data

The following Fiori apps will reflect the configured field properties:

- *Manage Customer Master Data* (for customer)
- *Manage Supplier Master Data* (for supplier)
- *Manage Business Partner Master Data* (via role navigation: FLCU01, FLCU00, FLVN01, FLVN00)

The *Maintain Business Partner* WebGUI app will also reflect the configured field properties, particularly fields marked as *Req. Entry*.

Effects on Customizing

You define the field statuses in the Customizing:

- [Financial Accounting \(New\)](#) > [Accounts Receivable and Accounts Payable](#) > [Custom Accounts](#) > [Master Data](#) > [Define Account Groups with Screen Layout \(Customers\)](#) for customers.
- [Financial Accounting \(New\)](#) > [Accounts Receivable and Accounts Payable](#) > [Custom Accounts](#) > [Master Data](#) > [Define Account Groups with Screen Layout \(Vendors\)](#) for suppliers.

Related Information

[Field Status Control Based on Account Groups](#)

[Field Status Control Based on Account Groups](#)

13.9.1.6 Long Bank Account Number Handling

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	Not Applicable
Application Component	LO-MD-BP (Business Partner)
Valid as Of	SAP S/4HANA 2021

Additional Details


If [Long Bank Account Number](#) functionality is activated, then the additional keys of the account number, i.e., the Control Key (BKONT) and Reference Details (BKREF), are included as part of the bank account number key in FD09 and FK09 transactions (Confirm Customer/Supplier listing) within the [Overview](#) and [Technical](#) sections.

Example

If the current bank account of a customer is 234566 and additional bank reference key is REF1.

Then, with this functionality, if the [Long Bank Account Number](#) is activated, the new bank account number is 234566REF1, which is listed in FD09 and FK09 transactions.

Additional Information

The [Long Bank Account Number](#) is activated via KBA [1585003](#).

13.9.1.7 Create with Reference

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	Not Applicable
Application Component	LO-MD-BP (Business Partner)
Valid as Of	SAP S/4HANA 2021

Additional Details

Using [Create With Reference](#), you can create a new customer/supplier by using a reference of an existing customer/supplier.

The system creates a new customer/supplier using the referenced customer/supplier data. You can choose the sales organization/purchasing organization and company code for the new customer/supplier. Once copied over, you can make edits to this newly created customer/supplier general data.

With this feature, you don't have to create a new record for instances where you can use the information from existing customer/supplier record.

Related Information

[Create with Reference](#)

13.9.1.8 Create GOS Attachments

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	Not Applicable
Application Component	LO-MD-BP (<i>Business Partner</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can add attachments that you think are relative for a customer/supplier, by using [Create Attachments](#).

These attachments can be specific to customer general data, sales area/purchasing organization, or company code. Note that these attachments are specific and limited to the level they are created in. Therefore, an attachment created for one sales area is only specific to this sales area and cannot be viewed from another sales area.

Related Information

[Attachments](#)
[Create GOS Attachments](#)

13.10 Data Migration

13.10.1 Deprecation of App Migration Cockpit (transaction LTMC)

The Web Dynpro app Migration Cockpit (transaction LTMC) is deprecated. We recommend that you switch to the Fiori app Migrate Your Data – Migration Cockpit, which is the successor app and already the default data migration app on the SAP Fiori launchpad.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-LT-MC (SAP S/4HANA Migration Cockpit)
Valid as Of	SAP S/4HANA 2021

13.10.2 Data Migration Objects

Find an overview of new, changed, and unchanged migration objects per SAP S/4HANA release in the linked documentation.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	2Q2 (Data Migration to SAP S/4HANA from Staging
Application Component	CA-GTF-MIG (SAP S/4HANA Data Migration Cockpit Content (LTMC))
Available As Of	SAP S/4HANA 2021

Additional Details

[SAP S/4HANA – Release Comparison of Migration Object Templates](#) (for customers and partners only; English only): Find an overview of new, changed, and unchanged migration objects per release. The migration object templates are then compared by releases in detail, if they have changed. The purpose is to explain the differences between the SAP S/4HANA data migration object templates of various releases, with the help of a direct comparison of the templates. This helps you to see what has changed and what is new for the different releases. Moreover, it assists you in filling out the data migration templates of the data migration objects available in the SAP S/4HANA Migration Cockpit for the different releases.

13.11 Information Lifecycle Management

13.11.1 Enable Microsoft Azure Blob Storage

With this feature you can enable storage of archive files into Microsoft Azure blob storage. This enables you to store the files into cloud storage for long retention periods. Additionally, the Microsoft Azure blob storage can be used as content server to store attachments.

In a S/4HANA On Premise system, SAP ILM is used for data management aspects. ILM Store is used to store the archive files for long retention periods. The options for ILM Store are ILM-certified WebDAV store, SAP IQ, Apache Hadoop, SAP HANA Database, or File System. Additionally, Microsoft Azure cloud storage (blob storage) is enabled for ILM Store.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	BC-ILM-STO (ILM Store)
Valid as Of	SAP S/4HANA 2021

Related Information

[ILM Store](#)

13.12 Enterprise Contract Management

13.12.1 Enhancements in Manage Legal Transactions

With this app, you can now do the following:

- Search for legal transactions using the filter criteria like linked object type, ID, and trigger object
- View the deletion of legal documents in the change log
- Copy content from a legal document while using the [Create with Reference](#) functionality
- Copy stamps and obligations from the legal document

- Clear the renewal and termination values
- Define additional entities and map to business partner types

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1XV (SAP S/4HANA for Enterprise Contract Management)
Application Component	CM-LT (Manage Legal Transactions)
Valid as Of	SAP S/4HANA 2021

Additional Details

Copy Content of Legal Document

Using the [Create with Reference](#) functionality, you can now copy the content of the legal document that is assigned to the reference legal transaction. You can also choose to copy stamps and obligations of the legal document.

Show Documents

You can now view documents of the related legal transactions in a legal transaction that has a neutral relationship with all other legal transactions.

Business Partner

You can define additional entities and map the corresponding Business Partner types available in S/4HANA, to cover additional business needs according to your business process. You can also use the specific value helps provided for the Business Partner, Business Partner Types, Business Partner Role, and Business Partner Role Name.

Effects on Customizing

You can use the following BAdI while working with the Create with Reference feature to copy the document content:

- Modify Document Content Copy

Related Information

[Manage Legal Transactions](#)

13.12.2 Enhancements in Manage Legal Documents

With this app, you can now generate a PDF file while assembling a virtual document.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1XV (SAP S/4HANA for Enterprise Contract Management)
Application Component	CM-DOC (Manage Legal Documents)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

A new Assembly Automation Level has been added to business logic [Define Automatic Template Determination for a Virtual Document](#).

Related Information

[Manage Legal Documents](#)

13.12.3 Enhancements in Manage Legal Tasks

With this app, you can do the following:

- Edit a legal document that is part of a workflow
- Determine the recipients based on the custom logic
- Send email notifications to approvers once the approval deadline is reached

- Configure email notifications that need to be sent at end of workflow
- Use the additional option under [Step Properties](#)
- Start a workflow from backend system using an API

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1XV (SAP S/4HANA for Enterprise Contract Management)
Application Component	CM-TSK (Manage Legal Tasks)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can edit a legal document that is part of a workflow only if:

- The document is part of task that is in [Revise](#) status.
- User who is trying to edit the document is an agent of the task that is in [Revise](#) status.
- You can also determine the recipients based on the custom logic defined in the Business Add-In implementation, `LCM_WORKFLOW_AGENTS`.
- Send email notifications to approvers once the approval deadline is reached.
- Configure email notifications that need to be sent at end of workflow. These notifications can be seen under the new facet [Workflow Notifications](#) in the reuse app [Manage Workflow Template](#).
- Choose an additional option that is available under [Step Properties](#).
- Start a workflow from backend system using an API.

Related Information

[Manage Legal Tasks](#)

13.12.4 Enhancements in Manage Contexts

With this feature, you can define additional entities and map the corresponding Business Partner types available in S/4HANA, to cover additional business needs according to your business process. You can also use the specific value helps provided for the Business Partner, Business Partner Types, Business Partner Role, and Business Partner Role Name.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1XV (SAP S/4HANA for Enterprise Contract Management)
Application Component	CM-CTX (Manage Contexts)
Valid as Of	SAP S/4HANA 2021

Effects on Configuration

A new view to define the business partner role has been added under the configuration activity [Define Entity Type](#):

- [Define Business Partner Role](#): Use this activity to maintain the business partner role for entity technical type `Business Partner`

Related Information

[Manage Contexts](#)

13.12.5 Enhancements in Categories

With this app, you can create categories specifically to classify legal documents.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1XV (SAP S/4HANA for Enterprise Contract Management)
Application Component	CM-CAT (Categories)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can use this feature to categorize legal documents as important or priority as per the business requirements of your organization.

Related Information

[Categories](#)

13.12.6 Enhancements in Request Legal Contracts

With this feature, you can extend the application to use custom fields in the [Request Legal Contract](#) application. This feature allows you to derive the defined customer-specific fields from a selected context and display them on a request to be filled by the requester.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1XV (SAP S/4HANA for Enterprise Contract Management)
Application Component	CM-LT (Request Legal Contract)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can even implement the field control for these custom fields. The following are the field control values – Mandatory, Optional, Read-only, and Hidden.

Effects on Customizing

Related Information

[Request Legal Contract](#)

13.12.7 Enhancements in Enterprise Contract Management Overview

With this feature, you can filter the data based on a specific date range.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1XV (SAP S/4HANA for Enterprise Contract Management)
Application Component	CM-OVP (Enterprise Contract Management Overview)
Valid as Of	SAP S/4HANA 2021

Additional Details

Using the date functionality in the cards given in overview app, you can filter for the required objects like legal transactions, contexts, tasks, or legal documents based on a specific date range.

Related Information

[Enterprise Contract Management Overview](#)

13.12.8 Integration between Product Sourcing and Enterprise Contract Management

With this feature, the Product Sourcing is integrated with Enterprise Contract Management. The Purchaser can now do the following:

- Create and update legal transactions
- View all the important documents for product sourcing

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1XV (SAP S/4HANA for Enterprise Contract Management)
Application Component	CM-INT (Integration of Enterprise Contract Management)
Valid as Of	SAP S/4HANA 2021

Additional Details

- You can create a specific context for this integration scenario in the [Context Determination](#) facet in [Manage Contexts](#) app.
- A new column called [Integrated](#) is available in the following facets - Parties, Linked Objects, All Dates, and Documents. This column indicates whether these attributes of a context are integrated with the sourcing project.
- View the object type as Sourcing Project or Supplier Quotation in the [Linked Objects](#) facet.
- You can see a link to the sourcing project in the [Linked Objects](#) facet of the assigned legal transaction.

Effects on System Administration

The system administrator can configure the following:

- Integration variants for profiles
- Context determination parameters
- Context determination parameters for integrations variants
- Map variables between linked object and legal transaction

The system administrator can use the following report to run the background job to generate categories for the category qualifiers:

- R_LCM_SYNCHRONIZE_CATEGORIES

Effects on Customizing

The following are the self service configuration UIs that have to be carried out:

- Enable Switch for Business Object Integration
- Define Integration Variants
- Define Category Qualifiers

The following are the Business Add-Ins that have to be carried out:

- Set Values for Context Identifying Attributes
- Set Values for Mapping Variables
- Check Enablement of Custom Implementation for Context Determination
- Check Duplicate Rule for Context Determination
- Determine Context for Integration Variant
- Skip Context Comparison
- Custom Implementation After Creating Legal Transaction
- Custom Implementation After Updating Legal Transaction
- Custom Lock for Legal Transaction to Delay Virtual Document Update
- Prevent Reopening of Legal Transaction

Related Information

[Integration between Product Sourcing and Enterprise Contract Management](#)

13.13 Master Data Governance, Central Governance

13.13.1 New Features for Master Data Governance Application Framework

We've added several new features to Master Data Governance Application Framework (sometimes referred to as Generic Functions). For details on all new features, see the **Additional Details** section.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	Not applicable
Application Component	CA-MDG-AF (Application Framework)
Available As Of	SAP S/4HANA 2021

Additional Details

Display of Archived Change Documents

In the Web Dynpro application [Display Change Requests](#), you can find and display archived change requests. With this feature, you can choose the [Change Documents](#) button to display the related change documents of the selected archived change request.

For more information, see improvement request ID [253984](#) and SAP Note [2995802](#).

Download Hierarchy as Hierarchical View to MS Excel

In the applications [Hierarchy Processing](#) and [Collective Processing](#), you can choose [Download](#) from the [Display As](#) dropdown list. The hierarchy information is maintained in the downloaded MS Excel file and you can use the features of Excel to filter and navigate.

For more information, see improvement request ID [252184](#), SAP Note [3043582](#), and SAP Note [3016473](#).

Enable Duplicate Check in Edition Based Data Model

The duplicate check is enabled for edition based data models. You can run a duplicate check for Master Data Governance for Financials or custom data models that are edition based.

For more information, see improvement request ID [252179](#), SAP Note [3043582](#), and SAP Note [3036535](#).

Fuzziness Threshold for Attributes in SAP HANA-Based Search

You can change the behavior of the HANA search mode using settings in Customizing for [Master Data Governance, Central Governance](#) under [General Settings](#) > [Data Quality and Search](#) > [Search and Duplicate Check](#) > [Define Search Applications](#). The default value for fuzziness is 0.7 for non-key fields when you haven't maintained an entry in [Allocation of Fuzziness to Attribute in SearchHelp](#), excluding special cases. Setting the fuzziness threshold to 1.0 for an attribute means that only exact matches are returned in the search results when using the [EQUAL TO](#) operator.

Note

You can still use the * wildcard to increase your search results to include those that contain the search term.

For more information, see improvement request ID [252631](#), SAP Note [3043582](#), and SAP Note [3036524](#).

Personalize Default Display Option in [Display Change Documents](#)

Using the MDG_ATTRIBUTE_CHANGE user parameter, you can set the default of the display on the [Display Change Documents](#) from [Change Overview](#) to [Attribute Changes](#).

For more information, see improvement request ID [252206](#), SAP Note [3043582](#), and SAP Note [3000012](#).

Readable Change Documents for Characteristics

Characteristic values of data types like currency, date, time, and numeric are displayed in a readable way. For custom data models, an implementation for BAdI USMD_CHANGE_DOC can be created using the filter MODEL.

For more information, see improvement request ID [254722](#) and SAP Note [3026153](#).

Recall Change Request

You can set up your change request workflow to include action 12 for recalling change requests by the requestor. The requestor of a change request can recall the request after it has been routed for approval and before it has been approved. The [Recall by Requestor](#) action is only visible to the requestor. Once the requestor has made the required updates, the change request can be resubmitted.

For more information, see improvement request ID [252141](#), SAP Note [3043582](#), and SAP Note [3018966](#).

Search Change Requests Using Texts Contained in Their Attachments

The [Search Term for Attachments Search](#) field is available when searching for change requests on the [Display Change Requests](#) application. When you enter a term here, it's used to search through the text of attachments. This searching doesn't include archived change requests. Therefore, you cannot use this field in conjunction with the [Include Archived Change Request](#) checkbox. The search results contain at least one attachment containing the search term.

For more information, see improvement request ID [252187](#), SAP Note [3043582](#), and SAP Note [3069990](#).

13.13.2 New Features for Master Data Governance for Financials

We've added several new features to Master Data Governance for Financials. For details on all new features, see the **Additional Details** section.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable

Additional Details

New Account Type *Cash Accounts* for G/L Accounts

In data model 0G, the entity type ACCOUNT has a new domain and two related attributes. The new domain, *C - Cash Accounts* is of attribute type *Type of a General Ledger Account* (S4ACCTYP). The related attributes are *G/L Account Subtype* (S4ACSUBTY) and *Bank Reconciliation Account* (ACCMAINAC).

You can use account type *C - Cash Accounts* and define your G/L account subtype as one of the following three options:

- *B - Bank Reconciliation Account*
- *P - Petty Cash*
- *S - Bank Subaccount*

When you choose *Bank Subaccount*, you can enter an account as a *Reconciliation Account*. This is a G/L account that you created as a *Bank Reconciliation Account* in a previous change request.

For more information about G/L accounts, see [Define G/L Accounts for Payment Processes](#).

Budget Availability Control

Using new fields in the *Budget Control* section of the MDG Cost Center UI, you can do the following:

- Activate the availability control with the *Budget Availability Control is Active* checkbox
- Add the budget-carrying cost center
- Choose the *Budget Availability Ctrl Prfl*

Note that you must synchronize the Customizing profile from *Maintain Budget Availability Control Profile for Cost Centers* under [Controlling > Cost Center Accounting > Budget Availability Control for Cost Centers](#) with the Master Data Governance Customizing *Maintain Budget Availability Control Profiles* under [Master Data Governance, Central Governance > Central Governance for Financials > Cost Center - Budget Availability Control Profiles](#).

For more information about the Customizing profile in Controlling, see [Maintain Budget Availability Control Profile for Cost Centers](#).

Edition Comparison for Hierarchy Assignments

You can use the *Edition Comparison* Web Dynpro application to compare data between editions for hierarchy assignments. In addition to choosing two editions, choose an entity type configured as a hierarchy in your relevant data model. This entity type selection enables the option to select the *Compare Hierarchies* checkbox. The results are a tree-like structure, which shows the status of the structure of master data of each edition. The status is marked with icons and inconsistencies are propagated up the hierarchy.

For more information, see improvement request ID [252186](#), SAP Note [3043582](#), and SAP Note [3043517](#).

Open Item Management by Ledger Group

You can now perform parallel accounting using the ledger approach, rather than the account approach. Clearing and making postings by ledger groups is intended to support you with your closing tasks. You can use the function for all open items that, due to parallel accounting, are posted to and valued differently in multiple ledgers, in particular for provisions (such as provisions for commission, for rebates, for process risks, or provisions for creating and checking year-end closing).

13.13.3 New Features for Master Data Governance for Material

We've added several new features to Master Data Governance for Material. For details on all new features, see the **Additional Details** section.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-MDG-APP-MM (MDG Material)
Valid as Of	SAP S/4HANA 2021

Additional Details

Change of Customizing Delivery for Business Transaction Event MDGM

The [Activate Business Transaction Events](#) Customizing is available in ► [Master Data Governance, Central Governance](#) ► [Central Governance for Material](#) ►. Choose the application ID [MDGM](#) as active if material and classification data needs to be replicated using data replication framework (DRF). The application ID [LO-MD](#) is inactive to avoid conflicts.

Change of Valuation Category

You can change the valuation category of an active material as long as there's no transaction data. If you're not able to change the valuation category, detailed error messages are provided.

For more information, see improvement request ID [252504](#) ➡.

Improved Error Messages for Change Material Type and Base Unit of Measure

There are many reasons why a material type or base unit of measure can't be changed. When this is the case, additional information is available in a [Display message details](#) link to indicate why the material type or base unit of measure can't be changed.

For more information, see improvement request ID [252573](#), SAP Note [3043582](#), and SAP Note [3020703](#).

Improved Performance in HANA-Based Search With Classification

Improvements have been made in the area of material search using HANA search methods. You can get faster results on the material search screen and quicker filtering in data replication.

For more information, see improvement request ID [252176](#), SAP Note [3072970](#), and SAP Note [3027378](#).

Material Number Field Read-Only for Internal Number Ranges

When you create a change request, you're able to input a material number. When choosing a [Material Type](#), the [Material](#) field becomes read-only if the material type is configured for internal numbering only.

For more information, see improvement request ID [255354](#), SAP Note [3043582](#), and SAP Note [3049553](#).

13.13.4 New Features for Master Data Governance for Business Partner

We've added several new features to Master Data Governance for Business Partner. For details on all new features, see the **Additional Details** section.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-MDG-APP-BP (MDG Business Partner (Central Part) .)
Valid as Of	SAP S/4HANA 2021

Additional Details

Address-Independent Communication Data

You can maintain address-independent communication data for a business partner using the [Address-Independent Communication](#) UIBB. The UIBB makes the fields for telephone numbers, mobile numbers, fax, email addresses, websites and [Standard Method](#).

You can also use the [More Address-Independent Communication](#) link to maintain additional entries.

UIBB Description	Back-end Table	MDG Entity Type
Telephone (Country/Region, Number, Extension)	ADR2	BP_TEL
Mobile (Country/Region, Number)	ADR2	BP_TEL
Fax (Country/Region, Number, Extension)	ADR3	BP_FAX
Email	ADR6	BP_EMAIL
Website	ADR12	BP_URL

Enhancements for Financial Services Business Partner

You can maintain the new attributes on the following UIBBs:

UIBB Description	Back-end Table	MDG Entity Type
Financial Services Details	BP001	FS_BP001
Partner is Bank	BUT0BANK	FS_BPBANK (only for when business partners are organizations)
Financial Services Reporting	BP1030	FS_BP1030
Employment Overview	BP011	FS_BP011 (only for when business partners are persons)
Fiscal Year Information	BP021	FS_BP021 (only for when business partners are organizations)
Additional Names	BKK21	FS_BKK21
Tax Compliance	BPTAXC	FS_BPTAXC (prerequisite business function: CA_FSBP_TAX_C)

For more information about the business function CA_FSBP_TAX_C, see [FS Business Partner Tax Compliance](#).

13.13.5 New Features for Master Data Governance for Supplier

We have added several new features to Master Data Governance for Supplier. For details on all new features, please see the **Additional Details** section.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-MDG-APP-SUP (<i>MDG Supplier (Central Parts)</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

Address-Independent Communication Data

You can maintain address-independent communication data for a business partner using the [Address-Independent Communication](#) UIBB. The UIBB makes the fields for telephone numbers, mobile numbers, fax, email addresses, websites and [Standard Method](#).

You can also use the [More Address-Independent Communication](#) link to maintain additional entries.

UIBB Description	Back-end Table	MDG Entity Type
Telephone (Country/Region, Number, Extension)	ADR2	BP_TEL
Mobile (Country/Region, Number)	ADR2	BP_TEL
Fax (Country/Region, Number, Extension)	ADR3	BP_FAX
Email	ADR6	BP_EMAIL
Website	ADR12	BP_URL

Enhancements for Financial Services Business Partner

You can maintain the new attributes on the following UIBBs:

UIBB Description	Back-end Table	MDG Entity Type
Financial Services Details	BP001	FS_BP001
Partner is Bank	BUT0BANK	FS_BPBANK (only for when business partners are organizations)
Financial Services Reporting	BP1030	FS_BP1030
Employment Overview	BP011	FS_BP011 (only for when business partners are persons)

UIBB Description	Back-end Table	MDG Entity Type
Fiscal Year Information	BP021	FS_BP021 (only for when business partners are organizations)
Additional Names	BKK21	FS_BKK21
Tax Compliance	BPTAXC	FS_BPTAXC (prerequisite business function: CA_FSBP_TAX_C)

For more information about the business function CA_FSBP_TAX_C, see [FS Business Partner Tax Compliance](#).

13.13.6 New Features for Master Data Governance for Customer

We've added several new features to Master Data Governance for Customer. For details on all new features, see the **Additional Details** section.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-MDG-APP-CUS (MDG Customer (Central Parts) .)
Valid as Of	SAP S/4HANA 2021

Additional Details

Address-Independent Communication Data

You can maintain address-independent communication data for a business partner using the [Address-Independent Communication](#) UIBB. The UIBB makes the fields for telephone numbers, mobile numbers, fax, email addresses, websites and [Standard Method](#).

You can also use the [More Address-Independent Communication](#) link to maintain additional entries.

UIBB Description	Back-end Table	MDG Entity Type
<i>Telephone (Country/Region, Number, Extension)</i>	ADR2	BP_TEL
<i>Mobile (Country/Region, Number)</i>	ADR2	BP_TEL
<i>Fax (Country/Region, Number, Extension)</i>	ADR3	BP_FAX
<i>Email</i>	ADR6	BP_EMAIL
<i>Website</i>	ADR12	BP_URL

Enhancements for Financial Services Business Partner

You can maintain the new attributes on the following UIBBs:

UIBB Description	Back-end Table	MDG Entity Type
<i>Financial Services Details</i>	BP001	FS_BP001
<i>Partner is Bank</i>	BUT0BANK	FS_BPBANK (only for when business partners are organizations)
<i>Financial Services Reporting</i>	BP1030	FS_BP1030
<i>Employment Overview</i>	BP011	FS_BP011 (only for when business partners are persons)
<i>Fiscal Year Information</i>	BP021	FS_BP021 (only for when business partners are organizations)
<i>Additional Names</i>	BKK21	FS_BKK21
<i>Tax Compliance</i>	BPTAXC	FS_BPTAXC (prerequisite business function: CA_FSBP_TAX_C)

For more information about the business function CA_FSBP_TAX_C, see [FS Business Partner Tax Compliance](#).

Multiple Address Handling for Customer Master Data

You can maintain all addresses for a customer under a single business partner master record. Additionally, any data specific to a particular address can be maintained as part of the address-dependent data.

You must also have the Lightweight Business Function BPCUSTOMER_MULTIPLE_ADDRESSES. For more information about this business function, see [Multiple Address Handling for Customer Master Data in Business Partner](#).

The following address-dependent UIBBs become available:

UIBB Description	Back-end Table	MDG Entity Type
<i>ERP Customer: Address Dependent General Data</i>	KNA1_ADDR	BP_CGENAD
<i>ERP Customer: Address Dependent Tax Indicators</i>	KNVI_ADDR	BP_CTAXAD

UIBB Description	Back-end Table	MDG Entity Type
ERP Customer: Address Dependent Unloading Points	KNVA_ADDR	BP_CULPAD
ERP Customer: Address Dependent Data	KNVV_ADDR	BP_CSALAD
ERP Customer Sales Area: Partner Functions	KNVP	BP_CUSFCN
▶ Addresses ▶ Details ▶	BUT022	BP_ADDDEP
▶ Addresses ▶ Details ▶ Tax Numbers ▶	DFKKBPTAXNUM_ADR	BP_TAX_AD

13.14 Master Data Governance, Data Quality Management

13.14.1 Audit Trail

With this feature you can access the audit trail, that lists all events in the history of a validation rule. The audit trail is available in the [Administrative Data](#) section of a validation rule.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-MDG-ADQ (Analysis and Remediation of Data Quality)
Available As Of	SAP S/4HANA 2021

13.14.2 Terminology for Rules

The term "data quality rule" has been replaced by "validation rule". "Data quality rule" is the new superordinate term for both validation rules and derivation rules.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-MDG-ADQ (Analysis and Remediation of Data Quality)
Available As Of	SAP S/4HANA 2021

13.14.3 Extra Data Provisioning

With this feature you can use predelivered procedure calls to access data in the tables of the product and business partner data models independent of the chosen base table. You can access the business partner tables from the business partner apps and the product tables from the product apps respectively.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-MDG-ADQ (Analysis and Remediation of Data Quality)
Available As Of	SAP S/4HANA 2021


13.14.4 Support of Additional Expression Types

With this feature you can export and import the additional BRFplus expression types [Formula](#), [Function Call](#) and [Procedure Call](#). This means, the [Export Validation Rules](#) and [Import Validation Rules](#) apps now support the following expression types altogether: [Boolean](#), [Case](#), [Constant](#), [Database Lookup](#), [Decision Table](#), [Formula](#), [Function Call](#) and [Procedure Call](#)

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-MDG-ADQ (Analysis and Remediation of Data Quality)
Available As Of	SAP S/4HANA 2021

Additional Details

For more information, see SAP Note [3047953](#) 

13.14.5 Change Request Work Items Overview for Central Governance

This feature enables you to access analytics cards for SAP-delivered data models for the following apps:

- [Master Data Process Overview for Business Partner](#) (F3118)
- [Master Data Process Overview for Product](#) (F3119)
- [Master Data Process Overview for Financial Data](#) (F3428)

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-MDG-ANR (Analytics and Reporting)
Valid as Of	SAP S/4HANA 2021

Additional Details

This feature enables you to access the following analytics cards:

- Open Work Items by Change Request Type
- Open Work Items by Responsibility and Status
- Completed Work Items
- Average Processing Hours of Completed Work Items
- Total Processing Days of Completed Work Items

These cards enable master data specialists and analysts to:

- Analyze performance of completed work items for continuous improvement.
- Monitor ongoing governance processes to identify and fix gaps, bottlenecks, and errors.
- Navigate to further analytics in [Smart Business](#) applications
- Understand the workload overview for responsible organizations
- Analyze and compare process efficiency to determine how fast is each process step is executed, and if the performance is improving or decreasing.
- Define and analyze processing time service level agreements

13.14.6 Change Analytics for Master Data in Change Request

This feature enables you to access a framework to configure and generate analytics query CDS views for all [Master Data Governance](#) data models. You can build analytics applications and dashboards, using [SAP S/4HANA Smart Business](#) and [SAP Analytics Cloud](#), based on the generated query CDS views. Master data specialists can use these applications and dashboards to get real-time insight into master data changes in change requests by master data attributes and organizations.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-MDG-ANR (Analytics and Reporting)
Valid as Of	SAP S/4HANA 2021

Additional Details

This feature enables you to:

- Monitor ongoing change requests based on specified attributes
- Analyze attribute changes to identify and fix gaps and bottlenecks
- Configure analytics requirements according to analytics reports
- Integrate authorization control on master data and segmentation
- Work with the SAP-delivered data model and custom data models

13.15 Situation Handling

13.15.1 New Entities for the Business Situation Type - Read API

With this feature, the [Business Situation Type - Read](#) API `API_BUS_SITN_MSTRDATA_SRV` has two new entities that allow an automatic generation of metadata schemas for data context definitions:

- Schemas for Data Context Definition
- Schemas for Data Context Definition - Text

The metadata schema allows the reconstruction of the original, nested structures of the CDS views' properties incorporated in the data context definition of a situation template.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	31N (Situation Handling)
Application Component	CA-SIT (<i>Situation Handling</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Situation Handling APIs](#)

13.15.2 New Use Cases for Situation Handling

With this feature you can use Situation Handling for additional use cases from these areas in SAP S/4HANA:

- [Finance](#)
- [Service](#)
- [Sourcing and Procurement](#)
- [Supply Chain](#)

Get a detailed overview of all new use cases under [Additional Details \[page 1103\]](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	31N (Situation Handling)
Application Component	CA-SIT (Situation Handling)
Available As Of	SAP S/4HANA 2021

Additional Details

New Situation Templates in SAP S/4HANA

Area or Topic	Situation Template	Situation Template ID	App Name	SAP Fiori ID	Scope Item
Finance	Monitor General Business-Critical Errors in Application Jobs for Convergent Invoicing	CINV_MASSACT_MESSAGE_BASED	My Situations - Message-Based	F4537	n/a
Finance	Business Critical SEPA Errors in Application Jobs	FICA_SEPA_MESSAGE_BASED	My Situations - Message-Based	F4537	n/a
Finance	Business Critical Master Data Errors in Application Jobs	FICA_MASTER_DATA_MESSAGE_BASED	My Situations - Message-Based	F4537	n/a
Finance	Business Critical Locks in Application Jobs	FICA_LOCK_MESSAGE_BASED	My Situations - Message-Based	F4537	n/a

Area or Topic	Situation Template	Situation Template ID	App Name	SAP Fiori ID	Scope Item
Finance	Business Critical Customizing Errors in Application Jobs	FICA_CUSTOMIZING_MESSAGE_BASED	My Situations - Message-Based	F4537	n/a
Finance	Payment Batch Status Check	FIN_BCM_BATCH_STATUS_CHECK	Monitor Payments	F3828	J78 
Finance	Payment Batch Was Rejected	FIN_BCM_BATCH_REJECTED	Monitor Payments	F3828	J78 
Finance	Payment Batch Was Partially Rejected	FIN_BCM_BATCH_PARTIALLY_REJECTED	Monitor Payments	F3828	J78 
Finance	Collections Invoice Information	FIN_COLL_INVOICE	Process Receivables	F0106A	BFC 
Finance	Dispute Case Processing	FIN_FSCM_DISPUTE_CASE	Manage Dispute Cases	F0702A	BFC 
Service	Service Contract Item Due to Expire Soon	SRVC_EXPIRING_SRVC_CONTRACT_ITEM	Service Contracts	TBT112MSR (Web-Client UI ID)	n/a
Service	Service Contract with Zero Billing Value	SRVC_CONTRACT_WITH_EXPIRING_BILLING_VALUE	Service Contracts	TBT112MSR (Web-Client UI ID)	426 
Sourcing and Procurement	Pending Supplier Confirmation	PROC_PENDING_SUPPLIER_CONFIRMATION_V2	Monitor Supplier Confirmations	F2359	2TX 
Sourcing and Procurement	Situation Template: Delivery Insights for Ordered Items	PROC_POITEM_DELIVERY_IOT_EVENT	Manage Purchase Orders	F0842A	4IH 
Sourcing and Procurement	Situation Template: New Supplier Proposal	PROC_SUPPLRLPROPOSALNOTIFY	Manage Preferred Supplier Lists	F4536	4RI 
Sourcing and Procurement	Situation Template: Supplier Proposal Accepted	PROC_SUPPLRLPROPOSALACCEPTNOTIFY	Manage Preferred Supplier Lists	F4536	4RI 
Sourcing and Procurement	Situation Template: Supplier Proposal Rejected	PROC_SUPPLRLPROPOSALREJECTNOTIFY	Manage Preferred Supplier Lists	F4536	4RI 
Supply Chain	Multiple Matches in Supply Protection	CA_ATP_SUP_MULTIMATCH	Manage Supply Protection	F4569	1JW 

Related Information

[Use Cases for Situation Handling](#)

13.15.3 My Situations - Message-Based

With this feature, the [My Situations - Message-Based](#) app has a new look and feel and new functions:

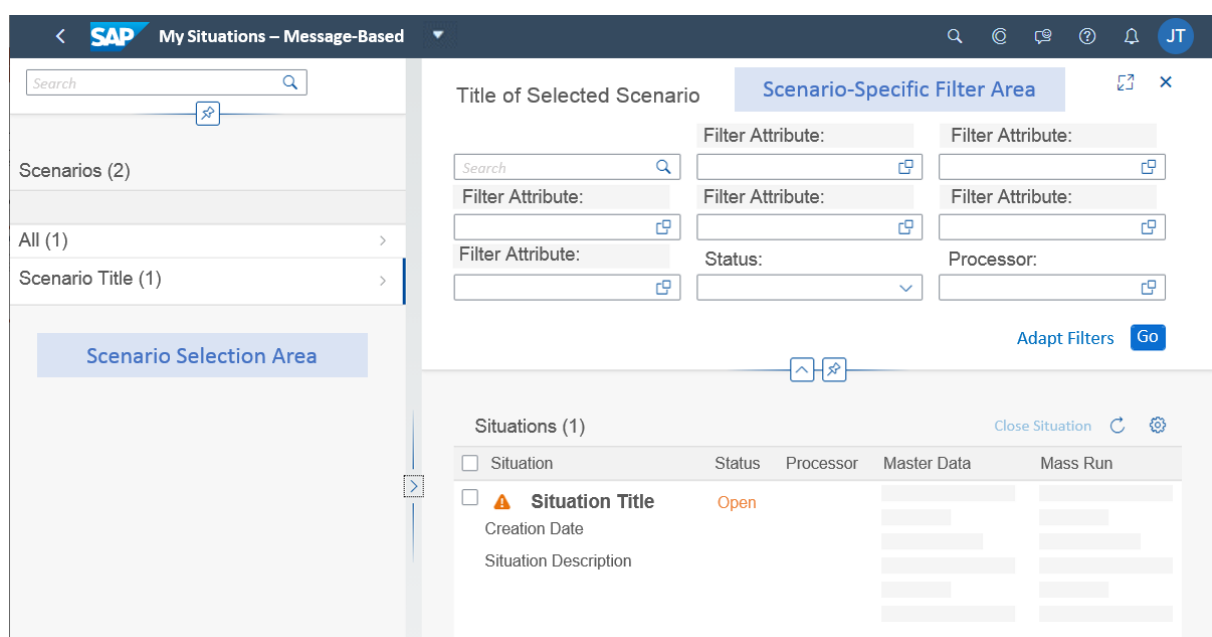
- New **scenario selection area**: There is now a selection area on the left-hand side of the app where you can select the situation scenarios for which you want to display the situation instances you're responsible for.
- If you select a scenario, a **scenario-specific filter bar** is displayed on the right-hand side of the app.
- [All](#) view: If you don't select a scenario, you can now enter a selection period for which your situation instances are displayed.

To get a visual impression of the new look and feel, see the image below in the [Additional Details \[page 1105\]](#) section.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	31N (Situation Handling)
Application Component	CA-SIT (Situation Handling)
Valid as Of	SAP S/4HANA 2021

Additional Details



Related Information

[My Situations - Message-Based](#)

13.15.4 Usability Enhancements for Situation Handling

With this feature, you can use the following features for Situation Handling:

- Statistics collection for message-based situations: For each run type, it's now possible to see the actual occurrence of error and warning messages.
- Assignment of general actions for message-based situations: For each situation type, you can assign actions that are relevant for all run types of this situation type.
- Usability enhancements for the responsibility assignment: In the [Manage Situation Types](#) and [Manage Situation Types - Message-Based](#) apps, where you define the responsibility determination for a situation type in the [Recipients](#) section, you can now see if a team is fully set up ([Enabled](#)). If not, you can directly navigate to the [Manage Teams and Responsibilities](#) app where you can complete the required setup.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	31N (Situation Handling)
Application Component	CA-SIT (Situation Handling)
Valid as Of	SAP S/4HANA 2021

Related Information

[Manage Situation Types - Message-Based](#)
[Manage Situation Types](#)

13.16 Digital Access

13.16.1 Maintaining Technical User for Unattended SAP iRPA Access

This customizing enables you to maintain a technical user that is used for unattended SAP iRPA (SAP Intelligent Robotic Process Automation) access. SAP iRPA uses technical users to connect to the SAP S/4HANA system. The technical user is identified while configuring the connection.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-GTF-DA (Digital Access)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

To register the technical users in the new customizing table (DAC_D_TECHUSER) using the new DAC_TECHUSER transaction:

1. Go to transaction **DAC_TECHUSER**.
2. In edit mode, choose [New Entries](#).
3. In the [Context](#) field, select [SAP Intelligent Robotic Process Automation](#) from the dropdown list.
4. In the [Technical User](#) field, enter the technical user that is used to identify indirect usage. You can add multiple users, as required.
5. Save the details.

Related Information

[Maintaining Technical Users for Unattended SAP iRPA Access](#)

13.17 Virtual Data Model and CDS Views

13.17.1 Deprecation of ProfitabilitySegment in CDS Views

The field `ProfitabilitySegment` was deprecated with SAP S/4HANA 2021 and will be replaced with the field `ProfitabilitySegment_2`. We recommend that you switch to the field `ProfitabilitySegment_2` as soon as possible.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	Not applicable
Available As Of	SAP S/4HANA 2021

Additional Details

We recommend replacing the field `ProfitabilitySegment` with `ProfitabilitySegment_2` as soon as possible. For details about the deprecation process for CDS views and their elements, such as fields, see [Deprecated and Decommissioned CDS Views](#).

When adjusting your custom developments, take the following details into account:

- The field `ProfitabilitySegment_2` is a character field (CHAR), while the field `ProfitabilitySegment` is a numeric character field (NUMC). The field lengths are the same.
- If no profitability segment is assigned to the field `ProfitabilitySegment_2`, there may be entries with a space (new entries), entries with 0000000000 (old entries), or both. When you switch to the field `ProfitabilitySegment_2`, you must adapt your code that checks whether the field is empty (that is, a space or 0000000000).
- The field `ProfitabilitySegment_2` will contain non-numeric characters (that is, characters from A to Z) after the system reaches the highest numerical value.

The deprecation of the field `ProfitabilitySegment` and replacement with `ProfitabilitySegment_2` affects CDS views in various areas. For more details about the CDS views affected in each area, see:

- [Deprecation of ProfitabilitySegment in CDS Views for Order and Contract Management \[page 726\]](#)
- [Deprecation of ProfitabilitySegment in CDS Views for Finance \[page 98\]](#)
- [Deprecation of ProfitabilitySegment in CDS View for Purchase Order Processing \[page 833\]](#)
- [Deprecation of ProfitabilitySegment in CDS Views for Quality Management \[page 509\]](#)

13.18 Intelligent Scenario Lifecycle Management

13.18.1 Schedule Training

With this feature, you can schedule a training for your intelligent scenarios.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	BC-ISM (<i>Intelligent Scenario Lifecycle Management</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

Once the trainings are scheduled, trainings or model versions are created automatically based on the selected frequency, preselected filters, and parameters.

Related Information

[Schedule Training](#)

13.18.2 Inference Request

With this feature, you can trigger batch inference requests from consuming Business Applications.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	BC-ISM (<i>Intelligent Scenario Lifecycle Management</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Inference Request](#)

13.18.3 Integration of Intelligent Scenario Lifecycle Management Apps

Predictive Analytics integrator (PAi) is now integrated with Intelligent Scenario Lifecycle Management (ISLM).

Technical Details

Type	Must know
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	BC-ISM (<i>Intelligent Scenario Lifecycle Management</i>)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

The *Intelligent Scenario Management* app is the successor of the *Predictive Models* app. Similarly, the *Intelligent Scenarios* app is the successor of the *Predictive Scenarios* app.

The [Predictive Models](#) and [Predictive Scenarios](#) apps are deprecated as of SAP S/4HANA 2021 and will be deleted from the SAP Fiori launchpad in the upcoming release. The apps may no longer be available by default on the SAP Fiori launchpad. However, you can still locate them using the app finder until they are deleted.

Related Information

[Intelligent Scenarios](#), [Intelligent Scenario Management](#)

13.19 Currency Code Conversion

The following changes were made to OData APIs that have currency fields:

- OData services of type Web API only expose the ISO code for currencies.
- The length of the data type is adjusted to 3 instead of 5 that was used for internal currency code.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA (Cross Applications)
Available As Of	SAP S/4HANA 2021

Additional Details

The following APIs are impacted:

Serial No.	Service Name	Name of API on SAP API Business Hub
1.	API_BATCH_SRV_0001	Batch Master Record
2	API_BUFFERIZING_SRV_0001	Buffer Sizing
3	API_CABUSINESSTRANSACTION	Contract Accounting Business Transaction – Read

Serial No.	Service Name	Name of API on SAP API Business Hub
4	API_CADISPUTECASE	Contract Accounting Dispute Case – Manage
5	API_CADOCUMENTMANAGE	Contract Accounting Document – Manage
6	API_CASESECURITYDEPOSIT	Cash Security Deposit
7	API_CONDITION_CONTRACT	Condition Contract
8	API_CONTRACTACCOUNT	Contract Account
9	API_CRDTMBUSINESSPARTNER	Credit Management Master Data Integration
10	API_EQUIPMENT	Equipment
11	API_EXTERNALEVENTS	External Events - Read, Create (A2X)
12	API_FUNCTIONALLOCATION	Functional Location
13	API_GLACCOUNTLINEITEM	G/L Account Line Item - Read (A2X)
14	API_LOCKBOXPOST_IN	Post Lockbox
15	API_MAINTENANCEORDER	Maintenance Order - Read
16	API_MAINTENANCEPLAN	Maintenance Plan
17	API_MANUALACCRUALS	Manual Accruals
18	API_MAINTENANCETASKLIST	Maintenance Task List
19	API_MASTER_RECIPE	Master Recipe
20	API_PERS_SETTLMT_DOC	Personnel Settlement Document - Read
21	API_PRODUCTION_ROUTING	Production Routing
22	API_PROJECT_V2	Project - Read
23	API_RECONTRACT	Real Estate Contract (Synchronous A2X)
24	API_SUBSCRIPTIONCONTRACT	Subscription Contract - Read
25	API_VMSVEHICLE	Vehicle Management System for Vehicle - Read
26	API_SETTLMT_DOC	Settlement Document

Effects on Data Transfer

In case, SAP internal currency code was used it is now changed to ISO currency code.

13.20 Country/Region Specifics

For country/region-specific changes, please see [Country/Region Specifics \[page 1117\]](#).

13.21 Behavioral Insights

SAP S/4HANA for behavioral insights (abbreviated to: Behavioral Insights), provides you with a platform that you can use to analyze the behavior of customers and generate risk scores and insights across multiple scenarios. These insights allow you to make more informed decisions and to take pre-emptive or proactive actions.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-PS-BEI
Available As Of	SAP S/4HANA 2021 FPS00

Effects on Customizing

You can customize customer extraction rules, prediction scenarios, and events using the Customizing activities under **Cross-Application Components > Behavioral Insights**.

Additional details

The following features are available in this release:

- Explore At-Risk Customer App with Customer Details and Customer Pulse Views:
Behavioral Insights provides the Explore At-Risk Customers app, which you can use to analyze risk scores and trends across the scenarios delivered by Behavioral Insights.
The Customer Details page helps visualize and analyze the customer's event data in both graphical and table formats. You can also analyze the risk scores and risk trends. The customer pulse is a graphical

representation of the customer events based on the time at which they occurred and the total debt at that point in time, which allows you to study the customer pulse by viewing and analyzing the actions that they perform.

- **Enhanced Prediction Reports:**

Behavioral Insights now offers the Maintain Application Jobs app to schedule and monitor Behavioral Insights-related jobs, using a standard template that is pre-delivered. You can use the app to schedule, monitor or cancel pre-scheduled jobs, which can reduce your workload by running the tasks smoothly in the background.

The Maintain Jobs app provides the following two job templates:

- **Risk Prediction Report Template for Behavioral Insights:** You can use this template to run the prediction report.
- **Health Check Report Template for Behavioral Insights Scenario:** You can use this template to check the health of readiness for the prediction and training data set and configurations.

- **External Events API:**

Behavioral Insights now offers the External Events API service, which enables you to read or create Behavioral Insights external event data or events, with data or events from external systems.

13.22 Data Transition Validation

The data transition validation is a tool that allows you to compare business data before and after a system conversion from SAP ECC to SAP S/4HANA.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	BC-UPG-DVF (Data Validation Framework)
Valid as Of	SAP S/4HANA 2021

Additional Details

The data transition validation tool offers functionality to validate business data during the SAP S/4HANA conversion. The tool offers following functionalities:

- Define the test specification for validation.
- Extract the results of test execution in the source and target release.

- Compare the source and target release data and show the comparison results.

Related Information

[Data Transition Validation](#)

13.23 Note Assistant

SAP Note Assistant is a tool that helps you while working with SAP Notes. The Note assistant tool is now available in new Home screen with improved search and browser functionalities. The processing of SAP Notes is simplified.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	BC-UPG-NA (Note Assistant)
Valid as Of	SAP S/4HANA 2021

Additional Details

SAP Note Assistant tool has the following functionalities:

- **Searching:** You can search valid SAP Notes for your system and download.
- **Reporting:** You can view all existing SAP Notes, its processing status, and all implemented corrections.
- **Project Administration:** You can assign SAP Notes to a user. The assigned user can specify a processing status. The system then informs you whether an SAP Note has an inconsistent status.
- **Logging:** The system logs all processing steps.
- **Correcting Errors:** You can automatically implement the corrections or correction instructions contained in the SAP Notes into your system.
- **Integration:** The system recognizes which Notes are implemented by an imported Support Package or via an upgrade. Additionally, checks which correction instructions are yet to implement.

Related Information

[Note Assistant](#)

14 Country/Region Specifics

14.1 Australia

14.1.1 Cross-Application Components

14.1.1.1 Electronic Documents

14.1.1.1.1 Creation and Sending of Electronic, Self-Billing Tax Invoices

With this feature, you can create and send electronic, self-billing tax invoices to your suppliers over the Peppol network. You as a buyer can value goods or services from your suppliers and issue tax invoices on their behalf. Such tax invoices are known as self-billing tax invoice or recipient-created tax invoice (RCTI).

Technical Details

Type	New
Functional Localization	Localized for Australia
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO-AU (Document Compliance Australia)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can create electronic self-billing tax invoices based on the following source documents:

- Supplier invoices created using the transaction [Enter Vendor Invoice](#) (FB60)
- Supplier invoices created using the transaction [Evaluated Receipt Settlement \(ERS\) with Logistics Invoice Verification](#) (MRRL)

- Supplier invoices created using the transaction [Enter Incoming Invoice](#) (MIRO)

Once you post a source document in the source application, the system creates and displays an electronic, self-billing tax invoice in both the following places:

- [Australia eInvoice](#) process in the [eDocument Cockpit](#) (transaction EDOC_COCKPIT)
- [Australia eInvoice](#) process in the [Document Compliance Cockpit](#) app

You can then send the electronic, self-billing tax invoice to the supplier by choosing [Submit](#) in either the [eDocument Cockpit](#) or [Document Compliance Cockpit](#).

Effects on Customizing

You carry out the following configuration activities to define the rule for generating and processing electronic, self-billing tax invoices:

- [Activating Source Type Documents for Company Code](#)
- [Assigning eDocument Type to Invoice Verification Transaction](#)
- [Assigning eDocument Type to Accounting Document Type](#)

In addition, you should maintain agreement texts in supplier master data. According to the Australian Taxation Office (ATO), you should include agreement texts in self-billing tax invoices. When generating a self-billing tax invoice, the system extracts the agreement text from the master data of the supplier and then shows it in the invoice.

You can also define your own logic for generating and processing electronic documents by implementing the Business Add-In [Enhancements for eDocument](#) (EDOC_ADAPTOR).

Related Information

[Processing Self-Billing Tax Invoices](#)

[Activating Source Type Documents for Company Codes](#)

[Assigning eDocument Types to Accounting Document Types](#)

[Assigning eDocument Types to Invoice Verification Transactions](#)

[Enhancements for Electronic Documents](#)

[Maintaining Agreement Texts for Self-Billing Tax Invoices in Supplier Master Data](#)

14.1.1.1.2 Usability Improvements for Document Compliance Framework

The following features deliver usability improvements:

- Access of different sources of errors directly from the result list in the [eDocument Cockpit](#) (EDOC_COCKPIT) from the [Logs/File](#) column.
- Navigation from a source document (accounting documents, billing documents, and settlement documents) to the corresponding eDocument using Object Relationship Service (ORS).

Technical Details

Type	New
Functional Localization	Localized for Australia, Austria, Belgium, Denmark, Germany, Ireland, Mexico, Netherlands, New Zealand, Norway, Portugal, Singapore, South Korea, Sweden, Taiwan, Thailand, Turkey, Greece, Poland, Kazakhstan
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO (<i>Document Compliance Framework</i>)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

Displaying the *Logs/File* column to open different sources of errors is only possible if the screen 0100 of function group EDOC_COCKPIT4 is used for the *eDocument Cockpit*.

Note

If you have created your own development in the current screen of the *eDocument Cockpit* (program EDOC_COCKPIT/screen 0100), this isn't displayed when using the new screen.

Effects on Customizing

The following setting is required in Customizing to enable the *Logs/File* column in the *eDocument Cockpit* under ► *Cross-Application Components* ► *General Application Functions* ► *eDocument* ► *General Settings* ► *Maintain General Parameters for eDocument* ⌵:

Customizing view EDOGENCUSTV

Customizing Parameter Name	Customizing Parameter Value
NEW_SCREEN	X

14.1.2 Finance

14.1.2.1 Payment Time Reporting (PTR)

SAP's [Run Compliance Report](#) app provides you the ease of generating the payment time report (PTR) complying to the Australian Payment Times Reporting Scheme (PTRS), administered under the Payment Times Reporting Act, 2020.

Technical Details

Type	New
Functional Localization	Localized for Australia
Scope Item	1J2
Application Component	FI-LOC-FI-AU ((Financials Australia))
Valid as Of	SAP S/4HANA 2021

Additional Details

To generate PTR successfully, you, as the key user, must obtain your small business suppliers' Australian Business Number (ABN) list from the Small Business Identification (SBI) tool via the Payment Times portal. After that, you must upload this ABN list to SAP's advanced compliance reporting (ACR) system to indicate the small business suppliers' ABNs relevant for the reporting period.

- To obtain your small business suppliers' ABN, you must first extract your supplier ABN list using the [Get Supplier ABN List](#) activity.
- To upload this ABN list of relevant small business suppliers to SAP system, run the [Manage Small Business ABN List](#) activity.

Related Information

[Payment Times Report \(PTR\)](#)

14.1.2.2 Data Management for Australia Payment Times Reporting

SAP has enabled the AU_PTR_SBI archiving object that helps you in archiving supplier information.

Technical Details

Type	New
Functional Localization	Localized for Australia
Scope Item	Not applicable
Application Component	FI-LOC-FI-AU (<i>Financials Australia</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

Name of Data Management Object	Object Type	Details	More Information	Area
AU_PTR_SBI	Archiving object	This object enables you to archive supplier information	Archiving Supplier Details	Finance

14.2 Austria

14.2.1 Cross-Application Functions

14.2.1.1 Electronic Documents

14.2.1.1.1 Usability Improvements for Document Compliance Framework

The following features deliver usability improvements:

- Access of different sources of errors directly from the result list in the *eDocument Cockpit* (EDOC_COCKPIT) from the *Logs/File* column.

- Navigation from a source document (accounting documents, billing documents, and settlement documents) to the corresponding eDocument using Object Relationship Service (ORS).

Technical Details

Type	New
Functional Localization	Localized for Australia, Austria, Belgium, Denmark, Germany, Ireland, Mexico, Netherlands, New Zealand, Norway, Portugal, Singapore, South Korea, Sweden, Taiwan, Thailand, Turkey, Greece, Poland, Kazakhstan
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO (Document Compliance Framework)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

Displaying the [Logs/File](#) column to open different sources of errors is only possible if the screen 0100 of function group EDOC_COCKPIT4 is used for the [eDocument Cockpit](#).

i Note

If you have created your own development in the current screen of the [eDocument Cockpit](#) (program EDOC_COCKPIT/screen 0100), this isn't displayed when using the new screen.

Effects on Customizing

The following setting is required in Customizing to enable the [Logs/File](#) column in the [eDocument Cockpit](#) under ► [Cross-Application Components](#) ► [General Application Functions](#) ► [eDocument](#) ► [General Settings](#) ► [Maintain General Parameters for eDocument](#) ⌵:

Customizing view EDOGENCUSTV

Customizing Parameter Name	Customizing Parameter Value
NEW_SCREEN	X

14.2.1.1.2 Determination of Company Code from Incoming Message Data

As of this release, you can extend your solution to derive the correct company code for your electronic documents if your system has different company codes using the same Peppol ID, for example, the same VAT Number.

Technical Details

Type	New
Functional Localization	Localized for Austria, Australia, Belgium, Denmark, Germany, Ireland, Netherlands, Norway, Poland, Sweden, Singapore, and New Zealand.
Scope Item	n/a
Application Component	Document Compliance Framework (CA-GTF-CSC-EDO)
Available As Of	SAP S/4HANA 2021

Additional Details

You implement the [eDocument Incoming Data Determination](#) (EDOC_INCOM_DATA) to determine the correct company code to be included in the electronic documents.

14.2.2 Finance

14.2.2.1 Contract Accounting Data in Advanced Compliance Reports

With this feature, data from [Contract Accounts Receivable and Payable \(FI-CA\)](#) can be included in the EC sales list. In addition, the Advance VAT Return - U30 and Annual VAT Return - U1 reports can process journal entries that were created based on FI-CA documents.

Technical Details

Type	New
Functional Localization	Localized for Austria
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-CA (Contract Accounting)
Available As Of	SAP S/4HANA 2021

Additional Details

In the analytical view for generated runs, you can check the details of the FI-CA documents in the following columns:

- EC sales list: [Reconciliation Key](#) and [CA Document Number](#)
- VAT return: [Reconciliation Key](#) and [Reference Document Type](#)

Related Information

[Advance VAT Return - U30](#)

[Annual VAT Return - U1](#)

[EC Sales List](#)

[Analyze Data](#)

14.2.2.2 New Payment Medium Formats and Bank Statements

You can use payment medium formats and bank statement formats during your payment processing in Contract Accounting.

Technical Details

Type	New
Functional Localization	Localized for Austria

Scope Item	Not applicable
Application Component	FI-LOC-CA-PAY (<i>FI-CA Payments Localization</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following payment medium formats are available:

Payment Medium Formats	Description
AT_CGI_XML_CT	<p>The payment format is used for domestic and foreign credit transfers (outgoing payments). The format is based on the ISO 20022 payment initiation message (pain.001.001.03). The payment format corresponds to the specifications made by Common Global Implementation (CGI).</p> <p>The CGI formats can be used for SEPA payments as well.</p>
AT_CGI_XML_DD	<p>The payment format is used for domestic and foreign direct debits (incoming payments). The format is based on the ISO 20022 payment initiation message (pain.008.001.02). The payment format corresponds to the specifications made by Common Global Implementation (CGI).</p> <p>The CGI formats can be used for SEPA payments as well.</p>

The following bank statements are available:

- CAMT.053, version 2 (CAMT.053.001.02)
- CAMT.054, version 2 (CAMT.054.001.02)

Related Information

[Payment Medium Formats](#)

14.3 Belgium

14.3.1 Cross-Application Functions

14.3.1.1 Electronic Documents

14.3.1.1.1 Usability Improvements for Document Compliance Framework

The following features deliver usability improvements:

- Access of different sources of errors directly from the result list in the *eDocument Cockpit* (EDOC_COCKPIT) from the *Logs/File* column.
- Navigation from a source document (accounting documents, billing documents, and settlement documents) to the corresponding eDocument using Object Relationship Service (ORS).

Technical Details

Type	New
Functional Localization	Localized for Australia, Austria, Belgium, Denmark, Germany, Ireland, Mexico, Netherlands, New Zealand, Norway, Portugal, Singapore, South Korea, Sweden, Taiwan, Thailand, Turkey, Greece, Poland, Kazakhstan
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO (<i>Document Compliance Framework</i>)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

Displaying the *Logs/File* column to open different sources of errors is only possible if the screen 0100 of function group EDOC_COCKPIT4 is used for the *eDocument Cockpit*.

i Note

If you have created your own development in the current screen of the *eDocument Cockpit* (program EDOC_COCKPIT/screen 0100), this isn't displayed when using the new screen.

Effects on Customizing

The following setting is required in Customizing to enable the [Logs/File](#) column in the [eDocument Cockpit](#) under ► [Cross-Application Components](#) ► [General Application Functions](#) ► [eDocument](#) ► [General Settings](#) ► [Maintain General Parameters for eDocument](#) ⌵:

Customizing view EDOGENCUSTV

Customizing Parameter Name	Customizing Parameter Value
NEW_SCREEN	X

14.3.1.1.2 Determination of Company Code from Incoming Message Data

As of this release, you can extend your solution to derive the correct company code for your electronic documents if your system has different company codes using the same Peppol ID, for example, the same VAT Number.

Technical Details

Type	New
Functional Localization	Localized for Austria, Australia, Belgium, Denmark, Germany, Ireland, Netherlands, Norway, Poland, Sweden, Singapore, and New Zealand.
Scope Item	n/a
Application Component	Document Compliance Framework (CA-GTF-CSC-EDO)
Available As Of	SAP S/4HANA 2021

Additional Details

You implement the [eDocument Incoming Data Determination](#) (EDOC_INCOM_DATA) to determine the correct company code to be included in the electronic documents.

14.3.2 Finance

14.3.2.1 Contract Accounting Data in Advanced Compliance Reports

With this feature, the Belgium Declaration for VAT Units (BE_VUNIT_DCL) can process journal entries that were created based on FI-CA documents.

Technical Details

Type	Changed
Functional Localization	Localized for Belgium
Scope Item	1J2
Application Component	FI-LOC-CA (Contract Accounting)
Available As Of	SAP S/4HANA 2021

Additional Details

In the analytical view for generated runs, you can check the details of the FI-CA documents in the [Reconciliation Key](#) and [Reference Document Type](#) columns.

Related Information

[Contract Accounting Data in Advanced Compliance Reports \[page 1128\]](#)

14.4 Brazil

14.4.1 Cross-Application Functions

14.4.1.1 Electronic Documents

14.4.1.1.1 Consignment

This feature enables the consignment processes for Brazil, which represent the following situation: you receive the goods first, and then the goods are invoiced and paid later.

Technical Details

Type	New
Functional Localization	Localized for Brazil
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO-BR (Document Compliance Brazil)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

The [eDocument Cockpit](#) (EDOC_COCKPIT) transaction displays the following processes:

- Brazil Csgmt Goods Receipt
- Brazil Csgmt Invoice Rec.

Related Information

[Consignment Goods Receipt](#)
[Consignment Invoice Receipt](#)

14.4.1.1.2 Future Delivery

This feature enables the future delivery processes for Brazil, which represent the following situation: goods are invoiced and paid first, and then you receive the goods later.

Technical Details

Type	New
Functional Localization	Localized for Brazil
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO-BR (Document Compliance Brazil)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

The [eDocument Cockpit](#) (EDOC_COCKPIT) transaction displays the following processes:

- Brazil Fut. Del. Goods Receipt
- Brazil Fut. Del. Invoice Rec.

Related Information

[Future Delivery Goods Receipt](#)
[Future Delivery Invoice Receipt](#)

14.4.1.1.3 Returnable Package

This feature enables the returnable package scenario in business processes for Brazil. In this scenario, you can include returnable packages (for example, pallets or barrels) in your inventory at no value until they are returned to the vendor.

Technical Details

Type	New
Functional Localization	Localized for Brazil
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO-BR (Document Compliance Brazil)
Available As Of	SAP S/4HANA 2021

Additional Details

The returnable package scenario is available on the following processes:

- Brazil Basic Process
- Brazil Csgmt Goods Receipt
- Brazil Fut. Del. Goods Receipt
- Brazil Normal Purchase
- Brazil Subcontracting

Effects on Customizing

To configure this feature, make the following settings in Customizing: ► [Cross-Application Components](#) ► [General Application Functions](#) ► [eDocument](#) ► [Country/Region-Specific Settings](#) ► [Brazil](#) ► [NF-e Specifics](#) ► [Define Item Type to CFOP Code](#) ►.

Related Information

[Basic Process for Inbound
Consignment Goods Receipt
Future Delivery Goods Receipt
Normal Purchase
Subcontracting](#)

14.4.1.1.4 Gate Monitor

This feature enables gatekeepers in your company to allow or deny the entrance of goods into the company, based on the status of the fiscal documents on a particular shipment. Gatekeepers use the new transaction

eDocument Brazil: Gate Monitor (EDOC_BR_GATE_MONITOR) to enter the access key of paper documents that come with the shipment, and the system provides the status of these documents to help gatekeepers decide.

Technical Details

Type	New
Functional Localization	Localized for Brazil
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO-BR (<i>Document Compliance Brazil</i>)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

The area menu has been enhanced by the following new entry: ► *Cross-Application Components* ► *eDocument* ► *eDocument Brazil* ► *Gate Monitor* 🔍.

Effects on System Administration

The *eDocument Brazil: Authorization for Gate Monitor* (EDOBR_GATE) authorization object is available. Administrators assign it to the relevant users of the EDOC_BR_GATE_MONITOR transaction.

Effects on Customizing

If you want to change the standard behavior of this feature, make the following settings in Customizing: ► *Cross-Application Components* ► *General Application Functions* ► *eDocument* ► *Country/Region-Specific Settings* ► *Brazil* ► *Business Add-Ins* ► *BAdI: Change Gate Monitor Settings* 🔍. This BAdI is optional.

Related Information

[Allowing Goods Into the Company with Gate Monitor](#)

14.4.1.2 Calculation of Indirect Taxes

14.4.1.2.1 Deprecation of CNAE Customizing Activities

The [Define Service CNAE for Plants](#) and [Define Material CNAE for Plants](#) customizing activities are deprecated in SAP S/4HANA 2021.

Technical Details

Type	Deprecated
Functional Localization	Localized for Brazil
Scope Item	43D
Application Component	FI-LOC-TXS (Localization Tax Service)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can use the following successor activities:

Deprecated Activities	Successor Activities
Define Service CNAE for Plants	Configure Rules to Determine CNAE in a Business Transaction
Define Material CNAE for Plants	Configure Rules to Determine CNAE in a Business Transaction

Effects on Customizing

► [Financial Accounting \(New\)](#) ► [Financial Accounting Global Settings \(New\)](#) ► [Tax on Sales/Purchases](#) ► [Basic Settings](#) ► [Brazil](#) ► [Integration with External Tax Calculation Engines](#) ► [Configure Rules to Determine CNAE in a Business Transaction](#) ►

14.4.1.2.2 General Withholding Taxes

With the integration of external tax calculation engines, the system enables you to configure the system to calculate PIS, COFINS and CSLL consolidated into a single tax known as PCC.

Technical Details

Type	New
Functional Localization	Localized for Brazil
Scope Item	43D
Application Component	FI-LOC-TXS (Localization Tax Service)
Valid as Of	SAP S/4HANA 2021

14.4.1.2.3 Use Complementary Business Attributes for Sales and Distribution

With this feature you can create your own business transactions and usage purposes or specify new entries for the ones delivered by SAP.

Technical Details

Type	New
Functional Localization	Localized for Brazil
Scope Item	43D
Application Component	FI-LOC-TXS (Localization Tax Service)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

► [SAP Customizing Implementation Guide](#) ► [Financial Accounting \(New\)](#) ► [Financial Accounting Global Settings \(New\)](#) ► [Tax on Sales/Purchases](#) ► [Basic Settings](#) ► [Brazil](#) ► [Integration with External Tax Calculation Engines](#) ►

[Complementary Business Attributes](#) > [Complementary Business Attributes for Sales and Distribution](#) > - [Configure Business Transactions](#) >.

▶ [SAP Customizing Implementation Guide](#) > [Financial Accounting \(New\)](#) > [Financial Accounting Global Settings \(New\)](#) > [Tax on Sales/Purchases](#) > [Basic Settings](#) > [Brazil](#) > [Integration with External Tax Calculation Engines](#) > [Complementary Business Attributes](#) > [Complementary Business Attributes for Sales and Distribution](#) > - - [Configure Usage Purposes](#) >.

Related Information

[Activate Business Features to Use with External Tax Calculation Engines \[page 1247\]](#)

14.4.1.3 API for Nota Fiscal

This inbound and synchronous service (API_LOGBR_NOTAFISCAL_SRV) has been updated to support the solution for the nota fiscal texts. This service is based on the OData and can be consumed in Brazilian integration scenarios. It is used to create or update a nota fiscal document.

Technical Details

Type	Changed
Functional Localization	Localized for Brazil
Scope Item	2RP (Electronic Documents)
Application Component	FI-LOC-LO-BR (Logistics Brazil)
Valid as Of	SAP S/4HANA 2021

Related Information

[Nota Fiscal - Create, Update](#)

14.4.1.4 Brazil Tab in Billing Transactions

This feature enables you to enter country-specific information, such as tax control, in one single place of the billing transactions. The tab is visible when you enter a Brazilian company code.

Technical Details

Type	New
Functional Localization	Localized for Brazil
Scope Item	BD9 (Sell from Stock)
Application Component	FI-LOC-LO-BR (<i>Logistics Brazil</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The tab has been added to the following transactions:

- [Create Billing Document](#) (VF01)
- [Change Billing Documents](#) (VF02)
- [Display Billing Documents](#) (VF03)
- [Display Invoice with Item](#) (VF03_ITEM)
- [Display Archived Billing Documents](#) (VF07)

14.4.1.5 Billing Cancelation for NFS-e

With this feature, the system does not allow you to cancel a billing document that has a subsequent NFS-e which cannot be canceled.

Technical Details

Type	Changed
Functional Localization	Localized for Brazil

Scope Item	2EQ (Sale of Services)
Application Component	FI-LOC-LO-BR (<i>Logistics Brazil</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

To cancel a billing document, the subsequent NFS-e must be canceled as well. If the NFS-e cannot be canceled for any reason, you can't cancel the billing document.

14.4.1.6 CDS Views for Electronic Fiscal Documents

New CDS (Core Data Services) views have been released for electronic documents.

Technical Details

Type	New
Functional Localization	Localized for Brazil
Scope Item	2RP (Electronic Documents)
Application Component	FI-LOC-LO-BR (<i>Logistics Brazil</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following CDS views have been released:

- *Brazil Nota Fiscal Texts* (I_BR_NFTexts)
- *Brazil Nota Fiscal Text Type* (I_BR_NFTextType)
- *Brazil Nota Fiscal Text Type Description* (I_BR_NFTextTypeDescription)
- *Brazil Simples Nacional Class Code* (I_BR_SIMPLESClassCode)
- *Brazil Simples Nacional Class Code Text* (I_BR_SIMPLESClassCodeText)
- *Brazil Simples Nacional Supplier Tax Rate* (I_BR_SIMPLESSupplierTaxRate)
- *CNAE* (I_BR_CNAE)

- [CNAE Text](#) (I_BR_CNAEText)
- [Freight Nature Indicator](#) (I_BR_NFFreightNature)
- [Freight Nature Indicator Text](#) (I_BR_NFFreightNatureText)
- [Nota Fiscal Document Type Text](#) (I_BR_NFDocumentTypeText)
- [Nota Fiscal Document Type](#) (I_BR_NFDocumentType)

Related Information

[Brazil](#)

14.4.1.7 Changes in Nota Fiscal

Some changes have been made to your SAP system to support new legal requirements of the nota fiscal.

Technical Details

Type	New
Functional Localization	Localized for Brazil
Scope Item	1J5 (Invoice, Taxes and Complementary Postings)
Application Component	FI-LOC-LO-BR (Logistics Brazil)
Valid as Of	SAP S/4HANA 2021

Additional Details

In the [Nota Fiscal Writer](#) (J1B*N) transaction, the following fields have been modified/created:

Modified

- [Number of the Item /XML Tag <nSeqAdic>](#) (J_1BIMPORT_ADDITION_ITEM_400_2)
- [Number of Drawback Concession Act](#) (J_1BNFE_IMP_DRAW_BACK_400_2)
- [Number of Drawback Concession Act](#) (J_1BNFE_EXP_DRAW_BACK_400_2)
- [Aggregation Code](#) (J_1BNFE_CAGREG_400_2)

Also, the transport mode [Trailer](#) is available in the [Transport Mode](#) (J_1BNFE_IMP_TRANSPORT_MODE) domain.

Created

- *Internal Barcode* (J_1BNFE_CBARRA)
- *Internal Tributary Barcode* (J_1BNFE_CBARRA_TRIB)
- *Exemption Value of ICMS ST* (J_1BNFE_VICMSSTDESON)
- *ICMS ST Exemption Reason* (J_1BNFE_MOTDESICMSST)
- *ICMS Deferral Percentage* (J_1BNFE_PDIF)
- *Deferred FCP Amount* (J_1BNFE_VFCPDIF)
- *FCP Deferral Percentage* (J_1BNFE_PFCPDIF)
- *Tax Rate for FCP Deferral* (J_1BNFE_PFCPDEF)
- *COFINS ST Value* (J_1BNFE_COFINSST)
- *PIS ST Value* (J_1BNFE_PISST)
- *Indicator of COFINS ST in the Nota Fiscal Total* (J_1BNFE_INDSOMACOFINSST)
- *Indicator of PIS ST in the Nota Fiscal Total* (J_1BNFE_INDSOMAPISST)
- *COFINS ST Value Including Taxes* (J_1BNFE_NFCOFINSST)
- *PIS ST Value Including Taxes* (J_1BNFE_NFPISST)

In the *Additional Data for Nota Fiscal* (J_1BNF_ADD_DATA) BAdI, *Nota Fiscal System - Create Object from data* (BAPI_J_1B_NF_CREATEFROMDATA) BAPI and *Nota Fiscal: List details of a Nota Fiscal* (BAPI_J_1B_NF_READDATA) BAPI the following fields have been created/deprecated:

Created

- *Number of the Item /XML Tag <nSeqAdic>* (J_1BIMPORT_ADDITION_ITEM_400_2)
- *Number of Drawback Concession Act* (J_1BNFE_IMP_DRAW_BACK_400_2)
- *Number of Drawback Concession Act* (J_1BNFE_EXP_DRAW_BACK_400_2)
- *Aggregation Code* (J_1BNFE_CAGREG_400_2)
- *Internal Barcode* (J_1BNFE_CBARRA)
- *Internal Tributary Barcode* (J_1BNFE_CBARRA_TRIB)
- *Exemption Value of ICMS ST* (J_1BNFE_VICMSSTDESON)
- *ICMS ST Exemption Reason* (J_1BNFE_MOTDESICMSST)
- *ICMS Deferral Percentage* (J_1BNFE_PDIF)
- *Deferred FCP Amount* (J_1BNFE_VFCPDIF)
- *FCP Deferral Percentage* (J_1BNFE_PFCPDIF)
- *Tax Rate for FCP Deferral* (J_1BNFE_PFCPDEF)
- *COFINS ST Value* (J_1BNFE_COFINSST)
- *PIS ST Value* (J_1BNFE_PISST)
- *Indicator of COFINS ST in the Nota Fiscal Total* (J_1BNFE_INDSOMACOFINSST)
- *Indicator of PIS ST in the Nota Fiscal Total* (J_1BNFE_INDSOMAPISST)
- *COFINS ST Value Including Taxes* (J_1BNFE_NFCOFINSST)
- *PIS ST Value Including Taxes* (J_1BNFE_NFPISST)

Deprecated

- *Sequential Number of Item in the Addition* (J_1BNFE_RFC_NSEQADIC)
- *Number of Drawback Concession Act* (J_1BNFE_IMP_DRAW_BACK)
- *Number of Drawback Concession Act* (J_1BNFE_EXP_DRAW_BACK)
- *Aggregation Code* (J_1BNFE_CAGREG)

In the [Nota Fiscal - Create, Update API](#), fields of different CDS Views have been created/deprecated. See below:

CDS View	Deprecated Fields	Successor Field
Nota Fiscal Import Document Data (I_BR_NFImportDocument)	BR_NFDrawbackConcession	BR_NFDrawbackConcession_2
Nota Fiscal Export Document Data (I_BR_NFExportDocument)	BR_NFItmExprtDrwbkConcession	BR_NFItmExprtDrwbkConcession_2
Electronic Nota Fiscal Product Traceability (I_BR_NFeProductTraceability)	AggregationID	BR_NFeProdTrcblyAggregationID

Also, in the [Nota Fiscal Import Document Data](#) (I_BR_NFImportDocument) CDS View, the BR_NFAdditionItem field now accepts 5 character numbers instead of 3.

Effects on Existing Data

The successor fields support characters, so the existing values can be displayed and are not affected.

14.4.1.8 Consignment

This feature enables you perform consignment in your system using the supplier consignment stock (Special Stock "K").

Technical Details

Type	New
Functional Localization	Localized for Brazil
Scope Item	2LG (Supplier Consignment) 2NY (Scheduling Agreement for Consignment Procurement)
Application Component	FI-LOC-LO-BR (Logistics Brazil)
Valid as Of	SAP S/4HANA 2021

Related Information

[Consignment](#)

14.4.1.9 Customizing for Electronic Fiscal Documents

With this release, new Customizing activities for making settings related to Cross-Application Functions have been added to your configuration environment. In addition, changes have been made to some previously delivered Customizing activities.

Technical Details

Type	New
Functional Localization	Localized for Brazil
Scope Item	See table below
Application Component	FI-LOC-LO-BR (Logistics Brazil)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following table provides an overview of new and changed Customizing activities. For more information about the settings that must be made in each configuration object, access the documentation available for each object within the Customizing environment.

Type of change	Configuration for ...	New/changed configuration object	How to find it	What you can do	Leading scope items
New Customizing activity	Electronic Fiscal Documents	Update NF-e Payment Methods	Find this Customizing activity under SAP Customizing Implementation Guide > Logistics - General > Tax on Goods Movements > Brazil > Electronic Fiscal Documents > Mapping to NF-e > Payment >	You can update the payment methods available to issue an electronic fiscal document. Logistics Brazil	1J5 (Invoice, Taxes and Complementary Postings)
New Customizing activity	Electronic Fiscal Documents	Update NF-e Credit/Debit Card Companies	Find this Customizing activity under SAP Customizing Implementation Guide > Logistics - General > Tax on Goods Movements > Brazil > Electronic Fiscal Documents > Mapping to NF-e > Payment >	You can update the credit/debit card companies available to issue an electronic fiscal document.	1J5 (Invoice, Taxes and Complementary Postings)

Type of change	Configuration for ...	New/changed configuration object	How to find it	What you can do	Leading scope items
New field in Customizing activity	Brazil Tax Determination	Assign Postal Codes to Tax Jurisdiction Codes	Find this Customizing activity under SAP Customizing Implementation Guide > Financial Accounting (New) > Financial Accounting Global Settings (New) > Tax on Sales/Purchases > Basic Settings > Brazil	You can assign a range of postal codes to the tax jurisdiction codes in mass	1J5 (Invoice, Taxes and Complementary Postings)

14.4.1.10 Electronic Fiscal Document Texts

This feature enables you to define the texts entered in the electronic fiscal documents, such as the nota fiscal.

Technical Details

Type	New
Functional Localization	Localized for Brazil
Scope Item	1J5 (Invoice, Taxes and Complementary Postings) 2RP (Electronic Documents) BD9 (Sell from Stock) J45 (Procurement of Direct Materials) BNX (Consumable Purchasing)
Application Component	FI-LOC-LO-BR (Logistics Brazil)
Valid as Of	SAP S/4HANA 2021

Effects on Existing Data

The texts that already exist are automatically adapted to the solution.

Related Information

[Electronic Document Texts](#)

14.4.1.11 Intermediator Information on Nota Fiscal

With this feature, you can indicate a transaction is performed through an intermediary and enter the intermediary information in the nota fiscal.

Technical Details

Type	New
Functional Localization	Localized for Brazil
Scope Item	1J5 (Invoice, Taxes and Complementary Postings)
Application Component	FI-LOC-LO-BR (Logistics Brazil)
Valid as Of	SAP S/4HANA 2021

Additional Details

This feature is available when creating a nota fiscal using the following objects:

- [Nota fiscal - Create, Update](#) (API_LOGBR_NOTAFISCAL_SRV) API
- [Create Nota Fiscal](#) (J1B1n) transaction
- [Change Nota Fiscal](#) (J1B2n) transaction
- [Additional Header Fields](#) (J_1BNF_BADI_HEADER) BAdI
- [General Enhancements for Electronic Fiscal Documents](#) (CL_NFE_PRINT) BAdI
- [Transfer Structure for Nota Fiscal](#) (BAPI_J_1BNFDOC_ADD) BAPI

14.4.1.12 New Payment Methods for Nota Fiscal

With this feature, you have new payment methods available when creating a nota fiscal.

Technical Details

Type	New
Functional Localization	Localized for Brazil
Scope Item	1J5 (Invoice, Taxes and Complementary Postings)
Application Component	FI-LOC-LO-BR (<i>Logistics Brazil</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The new payment methods supported are the following:

- Bank Deposit
- Instant Payment (PIX)
- Wire Transfer, Digital Wallet
- Fidelity Program, Cashback, Virtual Credit

These payment methods are available in the following objects:

- *Nota fiscal - Create, Update* (API_LOGBR_NOTAFISCAL_SRV) API
- *Create Nota Fiscal* (J1B1n) transaction
- *Change Nota Fiscal* (J1B2n) transaction
- *Additional Header Fields* (J_1BNF_BADI_HEADER) BAdI
- *Transfer Structure for Nota Fiscal* (BAPI_J_1BNFDOC_ADD) BAPI

14.4.1.13 Return of Stock Transfer with Stock in Transit

With this feature, you can perform the return of the stock in transit and generate the appropriate accounting and fiscal documents when the goods are not received at the receiving plant or the goods are damaged in transit.

Technical Details

Type	New
Functional Localization	Localized for Brazil
Scope Item	BMH (Stock Transfer without Delivery)
Application Component	FI-LOC-LO-BR (<i>Logistics Brazil</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Stock Transfer - Stock in Transit](#)

14.4.1.14 Enabling Billing Split by Suframa Code

With this feature, you can configure your system to automatically split billings based on Suframa determination rules.

Technical Details

Type	New
Functional Localization	Localized for Brazil
Scope Item	BD9 (Sell from Stock)
Application Component	FI-LOC-LO-BR (<i>Logistics Brazil</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Enabling Suframa Split](#)

14.4.2 Finance

14.4.2.1 Execution of Reports in Batches

The Configuration for the Batch Execution of Registers is released aimed at reducing memory consumption by splitting register batch execution in periods.

Technical Details

Type	New
Functional Localization	Localized for Brazil
Scope Item	1J2
Application Component	FI-LOC-FI-BR
Valid as Of	SAP S/4HANA 2021

Additional Details

The file to be generated in the Configuration for the Execution of Reports in Batches will be the same, no matter the configuration used by the solution. This configuration is to be conducted directly in the desired environment, without involving request transports. It is possible to consider this solution a SPED register tuning, which has to be configured according to the needs of each environment and of each one of the customer's registers.

14.4.2.2 CTR Complementary Table Data Maintenance

This service assists the user in the process of reading, inserting, updating and deleting external data into CTR complementary tables. The data is used in the generation of Brazilian reports through the advanced compliance reporting solution.

Technical Details

Type	New
------	-----

Functional Localization	Localized for Brazil
Scope Item	1J2
Application Component	FI-LOC-FI-BR
Valid as Of	SAP S/4HANA 2021

Effects on Existing Data

This service affects the data of the CTR complementary tables as it helps in their management process through the API basic operations.

14.4.2.3 ECD

Based on Ato Declaratório Executivo Cofis nº 79/2020, Layout 9 of ECD report is now supported.

Technical Details

Type	Changed
Functional Localization	Localized for Brazil
Scope Item	1J2
Application Component	FI-LOC-FI-BR
Valid as Of	SAP S/4HANA 2021

Additional Details

The ECD report underwent general corrections for this version. It has also been enhanced with the following changes:

- The use of foreign currency is now enabled. A table was created to select the currency to be used in the Ledgers using the [SM30](#) transaction.
- A new table was created to help in the generation of type Z auxiliary ledgers in the ECD report.

14.4.2.4 Use Complementary Business Attributes for Sales and Distribution

With this feature you can create your own business transactions and usage purposes or specify new entries for the ones delivered by SAP.

Technical Details

Type	New
Functional Localization	Localized for Brazil
Scope Item	43D
Application Component	FI-LOC-TXS (<i>Localization Tax Service</i>)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

► [SAP Customizing Implementation Guide](#) ► [Financial Accounting \(New\)](#) ► [Financial Accounting Global Settings \(New\)](#) ► [Tax on Sales/Purchases](#) ► [Basic Settings](#) ► [Brazil](#) ► [Integration with External Tax Calculation Engines](#) ► [Complementary Business Attributes](#) ► [Complementary Business Attributes for Sales and Distribution](#) ► - [Configure Business Transactions](#) ►.

► [SAP Customizing Implementation Guide](#) ► [Financial Accounting \(New\)](#) ► [Financial Accounting Global Settings \(New\)](#) ► [Tax on Sales/Purchases](#) ► [Basic Settings](#) ► [Brazil](#) ► [Integration with External Tax Calculation Engines](#) ► [Complementary Business Attributes](#) ► [Complementary Business Attributes for Sales and Distribution](#) ► - - [Configure Usage Purposes](#) ►.

Related Information

[Activate Business Features to Use with External Tax Calculation Engines \[page 1247\]](#)

14.4.3 Insurance

14.4.3.1 Processing 'Simples' Tax Calculation

You can use this feature as an enhancement of the withholding tax solution.

You can apply the tax calculation according to the [Simples Nacional](#), the taxation regime in Brazil. The taxation regime in Brazil is established for micro-, and small-sized companies. This taxation regime can enable exemption of taxes withheld at the source. The municipal tax on services (ISS) tax rates for Simples can differ from the standard ISS tax rates per municipality.

Technical Details

Type	New
Functional Localization	Localized for Brazil
Scope Item	Not applicable
Application Component	FS-CM-IC (Financial Services Localization)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

The area menu has been enhanced by the [List of Simples Business Partners and Validity](#) report (transaction code: /GSINS/BR_SIMPLES). With this report, you can display the following:

- Which business partners have the simples option activated on or after the selected validity start date.
- Which business partners have had the simples option activated and deactivated on or after the selected validity start date.

Note

The report does **not** list those business partners whose simples option was activated/deactivated before the validity start date.

Effects on Customizing

You can enter the ISS tax rates used for Simples during posting documents, or in the [Maintain Withholding Tax Rate for ISS](#) activity. This enables the system to use the Simples regime rules and calculate the withholding tax accordingly.

Related Information

[Processing 'Simples' ISS Tax Calculation](#)

14.4.4 Logistics

14.4.4.1 Mini and Micro Generation Cockpit

Mini and Micro Generation Cockpit allows you to get an overview of energy compensation that takes place in the system in the graphical form based on selected filter.

Technical Details

Type	New
Functional Localization	Localized for Brazil
Scope Item	Not Applicable
Application Component	FI-LOC-UT (<i>Localization for Utilities Industry</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

If you need to create an incident regarding this feature, use component FI-LOC-UT-BR.

Related Information

[Microgen Cockpit](#)

14.5 China

14.5.1 Finance

14.5.1.1 Payment Requisition Creation

This feature enables you to create payment requisitions so that the payment process can be triggered. You can also submit payment requisitions for approval upon creation.

Technical Details

Type	New
Functional Localization	Localized for China
Scope Item	J60 (Accounts Payable)
Application Component	FI-LOC-CM-CN (<i>Cash Management China</i>)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

To use this feature, you need to make relevant Customizing settings in *SAP Customizing Implementation Guide*. For details about the Customizing settings, see [Customizing Settings for Key Users](#).

Related Information

[Create Payment Requisitions - China](#)

14.5.1.2 Payment Requisition Management for Account Payable Accountant

This feature enables you to perform the following tasks as an accounts payable accountant:

- Edit payment requisitions

- Delete new payment requisitions
- Submit new payment requisitions for approval
- Monitor the status of payment requisitions
- Void or withdraw rejected payment requisitions

Technical Details

Type	New
Functional Localization	Localized for China
Scope Item	J60 (Accounts Payable)
Application Component	FI-LOC-CM-CN (<i>Cash Management China</i>)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

To use this feature, you need to make relevant Customizing settings in *SAP Customizing Implementation Guide*. For details about the Customizing settings, see [Customizing Settings for Key Users](#).

Related Information

[Manage Payment Requisitions - China \(For AP Accountant\)](#)

14.5.1.3 Payment Requisition Management for Cash Manager

This feature enables you to perform the following tasks as a cash manager:

- Approve or reject payment requisitions submitted
- Decide payment methods and relevant details for payment requisitions
- Trigger the payment processes for payment requisitions
- Monitor the payment status and handle exceptions

Technical Details

Type	New
Functional Localization	Localized for China
Scope Item	J60 (Accounts Payable)
Application Component	FI-LOC-CM-CN (Cash Management China)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

To use this feature, you need to make relevant Customizing settings in *SAP Customizing Implementation Guide*. For details about the Customizing settings, see [Customizing Settings for Key Users](#).

Related Information

[Manage Payment Requisitions - China \(For Cash Manager\)](#)

14.5.1.4 Workflow Management for Payment Requisitions

With this feature you can create and manage workflows for payment requisitions in the *Manage Workflows for Payment Requisitions - China* app after a team has been set up for it. If a workflow is activated, the approval process is initiated.

Technical Details

Type	New
Functional Localization	Localized for China
Scope Item	J60 (Accounts Payable)
Application Component	FI-LOC-CM-CN (Cash Management China)
Available As Of	SAP S/4HANA 2021

Prerequisites

To create workflows for payment requisitions, the business process specialist needs to create a team for approving payment requisitions in the [Manage Teams and Responsibilities](#) app. This activity includes creating a team with the SPAYREQN type in the *Enabled* status and setting the function level of each team member.

Related Information

[Manage Workflows for Payment Requisitions - China](#)

14.5.1.5 My Inbox for Payment Requisitions

With this feature you can check and process your workflow tasks for payment requisitions in the [My Inbox for Payment Requisitions - China](#) app.

Technical Details

Type	New
Functional Localization	Localized for China
Scope Item	J60 (Accounts Payable)
Application Component	FI-LOC-CM-CN (Cash Management China)
Available As Of	SAP S/4HANA 2021

Related Information

[My Inbox for Payment Requisitions - China](#)

14.5.1.6 Data Management in Payment Requisition

Here's the information about a new data management object delivered for payment requisition.

Technical Details

Type	New
Functional Localization	Localized for China
Scope Item	J60 (Accounts Payable)
Application Component	FI-LOC-CM-CN (Cash Management China)
Valid as Of	SAP S/4HANA 2021

Additional Details

Name of Data Management Object	Object Type	Changes with this Release	Details	More Information
PAYREQN	archiving object	New archiving object added.	You can use this archiving object to archive payment requisitions.	Archiving Payment Requisitions Using PAYREQN

14.5.1.7 Read Access Logging for Payment Requisitions

This feature enables you to log read access to supplier bank information and house bank information in the [Create Payment Requisitions - China](#) app and the [Manage Payment Requisitions - China](#) app with the following configurations:

- Service ID: UI_CN_PAYTREQUISITION_C
- Service ID: UI_CN_PAYTREQUISITION_M

Technical Details

Type	New
Functional Localization	Localized for China
Scope Item	J60 (Accounts Payable)
Application Component	FI-LOC-CM-CN (Cash Management China)

14.5.1.8 Customer Line Items - China

You can use this app to display the details of customer account balances: balances at the start and end of a specified period. It also shows the credit and debit of the period and those of the current fiscal year. Additionally, the report can be directly exported from the system to meet the tax requirements of the books in China. By running the report in this way, you can easily get a big picture of the balances of customer accounts and make sure that payments from customers are duly collected and confirmed.

Technical Details

Type	New
Functional Localization	Localized for China
Scope Item	J59 (Accounts Receivable)
Application Component	FI-LOC-FI-CN (<i>Financials China</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Customer Line Items - China](#)

14.5.1.9 Cash Flow Statements

In this app, for direct method, previously you have to set the Cash Scope to 'Full Scope' in the [Define Basic Settings](#) Customizing activity as a prerequisite, and define the liquidity item hierarchies in the [Manage Global Hierarchies - For Liquidity Items](#) app. For indirect method, previously you have to define the financial statement version in the [Manage Global Hierarchies](#) app. Now for both methods, you switch to define cash flow statement versions in the [Define Cash Flow Statement Versions](#) Customizing activity. In addition, you need to make the settings in the [Define Versions for Offsetting Account Determination](#) and [Activate Online Offsetting Account Determination](#) Customizing activities.

Technical Details

Type	Changed
Functional Localization	Localized for China
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-FI-CN (<i>Financials China</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Cash Flow Statements](#)
[Configuration for Cash Flow Statements](#)

14.5.1.10 VAT Invoice Events

There are new business events raised for Inbound VAT Invoice business object.

Technical Details

Type	New
Functional Localization	Localized for China
Scope Item	J58 (Accounting and Financial Close)
Technical Object Name	CN_ValueAddedTaxInvoice
Required Feature Activation	Not Applicable
Application Component	FI-LOC-TIM-CN (<i>Cash Management China</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[VAT Invoice Events](#)

14.5.1.11 OData API: Incoming VAT Invoice

A new optional field Deductible Tax Amount (CN_TaxInvcDeductAmtInInvcCrcy) has been added to the entity type *China Input Tax Invoices* (A_CN_TaxInputInvoiceType) of the OData API Incoming VAT Invoice. This new field is supported in the GET /A_CN_TaxInputInvoice, POST /A_CN_TaxInputInvoice, and GET /A_CN_TaxInputInvoice({CN_TaxInvcUUID}) operations.

Technical Details

Type	Changed
Functional Localization	Localized for China
Scope Item	J58 (Accounting and Financial Close)
Application Component	FI-LOC-TIM-CN (<i>China</i>)
Valid as Of	SAP S/4HANA 2021

This API is available on the [SAP API Business Hub](#) .

Related Information

[China Input Tax Invoices](#)

14.5.1.12 Manage Input VAT Invoice

The field labels for the Manage Input VAT Declaration app have been enhanced, including but not limited to the following:

- Number of Invoices to Be Confirmed
- Tax Amount to Be Confirmed
- Deductible Tax Amount to Be Confirmed
- Number of Invoices Confirmed
- Tax Amount Confirmed
- Deductible Tax Amount Confirmed
- Input VAT Transfer-In Amount
- Input VAT Transfer-Out Amount

Technical Details

Type	Changed
Functional Localization	Localized for China
Scope Item	J58 (Accounting and Financial Close)
Application Component	FI-LOC-TIM-CN (China)
Valid as Of	SAP S/4HANA 2021

Related Information

[Manage Input VAT Declaration - China](#)

14.5.2 Supply Chain

14.5.2.1 Inventory

14.5.2.1.1 Stock Overview - Mainland China, Taiwan

A new app called [Stock Overview - Mainland China, Taiwan](#) is available. You can use this app to get an overview of your material stocks.

Technical Details

Type	New
Functional Localization	Localized for Mainland China, Taiwan
Scope Item	Not applicable
Application Component	CA-GTF-CSC-CN (S4HANA Localization for China)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can use this app to do the following:

- View material stocks by company code and plant
- View the value, quantity, unit price of a material on the first day of the selected period
- View the value, quantity, unit price of a material on the last day of the selected period
- View the total value and quantity of a material received during the selected period
- View the total value and quantity of a material issued during the selected period
- Drill down to the details of a material stock, such as the material documents and accounting documents posted during the selected period

Effects on System Administration

To enable users to access this app, you should assign proper user accounts to them. The following objects are relevant to the authorization management for this app:

Object Type	Object	Description
Launchpad Catalog	SAP_MM_BC_IM_ANALYTICS_CN for Mainland China	Both launchpad catalogs contain the app.
	SAP_MM_BC_IM_ANALYTICS_TW_PC for Taiwan	
Launchpad Group	<i>Inventory Management for Mainland China</i> (SAP_MM_BCG_IM_ANALYTICS_CN)	Both launchpad groups contain the app.
	<i>Inventory Management for Taiwan</i> (SAP_MM_BCG_IM_ANALYTICS_TW)	
Business Role	SAP_BR_INVENTORY_ACCOUNTANT_CN for Mainland China	Both business roles already contain the above launchpad catalog and launchpad group.
	SAP_BR_INVENTORY_ACCOUNTANT_TW for Taiwan	

Related Information

[Stock Overview - Mainland China, Taiwan](#)

14.6 Denmark

14.6.1 Cross-Application Functions

14.6.1.1 Electronic Documents

14.6.1.1.1 Usability Improvements for Document Compliance Framework

The following features deliver usability improvements:

- Access of different sources of errors directly from the result list in the *eDocument Cockpit* (EDOC_COCKPIT) from the *Logs/File* column.
- Navigation from a source document (accounting documents, billing documents, and settlement documents) to the corresponding eDocument using Object Relationship Service (ORS).

Technical Details

Type	New
Functional Localization	Localized for Australia, Austria, Belgium, Denmark, Germany, Ireland, Mexico, Netherlands, New Zealand, Norway, Portugal, Singapore, South Korea, Sweden, Taiwan, Thailand, Turkey, Greece, Poland, Kazakhstan
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO (<i>Document Compliance Framework</i>)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

Displaying the *Logs/File* column to open different sources of errors is only possible if the screen 0100 of function group EDOC_COCKPIT4 is used for the *eDocument Cockpit*.

i Note

If you have created your own development in the current screen of the *eDocument Cockpit* (program EDOC_COCKPIT/screen 0100), this isn't displayed when using the new screen.

Effects on Customizing

The following setting is required in Customizing to enable the [Logs/File](#) column in the [eDocument Cockpit](#) under ► [Cross-Application Components](#) ► [General Application Functions](#) ► [eDocument](#) ► [General Settings](#) ► [Maintain General Parameters for eDocument](#) ⌵:

Customizing view EDOGENCUSTV

Customizing Parameter Name	Customizing Parameter Value
NEW_SCREEN	X

14.6.1.1.2 Determination of Company Code from Incoming Message Data

As of this release, you can extend your solution to derive the correct company code for your electronic documents if your system has different company codes using the same Peppol ID, for example, the same VAT Number.

Technical Details

Type	New
Functional Localization	Localized for Austria, Australia, Belgium, Denmark, Germany, Ireland, Netherlands, Norway, Poland, Sweden, Singapore, and New Zealand.
Scope Item	n/a
Application Component	Document Compliance Framework (CA-GTF-CSC-EDO)
Available As Of	SAP S/4HANA 2021

Additional Details

You implement the [eDocument Incoming Data Determination](#) (EDOC_INCOM_DATA) to determine the correct company code to be included in the electronic documents.

14.7 France

14.7.1 Finance

14.7.1.1 Overdue Invoices

The [Overdue Invoices](#) report that you generate using the [Run Compliance Reports](#) app is now available in enhanced mode for reporting periods starting January 1, 2020. Classic mode is valid only until December 31, 2019.

Technical Details

Type	Changed
Functional Localization	Localized for France
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-FI-FR (Financials France)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

For more information, see [Configuration for Overdue Invoices](#).

Related Information

[Overdue Invoices](#)

14.8 Germany

14.8.1 Cross-Application Functions

14.8.1.1 Electronic Documents

14.8.1.1.1 Usability Improvements for Document Compliance Framework

The following features deliver usability improvements:

- Access of different sources of errors directly from the result list in the *eDocument Cockpit* (EDOC_COCKPIT) from the *Logs/File* column.
- Navigation from a source document (accounting documents, billing documents, and settlement documents) to the corresponding eDocument using Object Relationship Service (ORS).

Technical Details

Type	New
Functional Localization	Localized for Australia, Austria, Belgium, Denmark, Germany, Ireland, Mexico, Netherlands, New Zealand, Norway, Portugal, Singapore, South Korea, Sweden, Taiwan, Thailand, Turkey, Greece, Poland, Kazakhstan
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO (<i>Document Compliance Framework</i>)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

Displaying the *Logs/File* column to open different sources of errors is only possible if the screen 0100 of function group EDOC_COCKPIT4 is used for the *eDocument Cockpit*.

i Note

If you have created your own development in the current screen of the *eDocument Cockpit* (program EDOC_COCKPIT/screen 0100), this isn't displayed when using the new screen.

Effects on Customizing

The following setting is required in Customizing to enable the [Logs/File](#) column in the [eDocument Cockpit](#) under ► [Cross-Application Components](#) ► [General Application Functions](#) ► [eDocument](#) ► [General Settings](#) ► [Maintain General Parameters for eDocument](#) ⌵:

Customizing view EDOGENCUSTV

Customizing Parameter Name	Customizing Parameter Value
NEW_SCREEN	X

14.8.1.1.2 Determination of Company Code from Incoming Message Data

As of this release, you can extend your solution to derive the correct company code for your electronic documents if your system has different company codes using the same Peppol ID, for example, the same VAT Number.

Technical Details

Type	New
Functional Localization	Localized for Austria, Australia, Belgium, Denmark, Germany, Ireland, Netherlands, Norway, Poland, Sweden, Singapore, and New Zealand.
Scope Item	n/a
Application Component	Document Compliance Framework (CA-GTF-CSC-EDO)
Available As Of	SAP S/4HANA 2021

Additional Details

You implement the [eDocument Incoming Data Determination](#) (EDOC_INCOM_DATA) to determine the correct company code to be included in the electronic documents.

14.8.2 Finance

14.8.2.1 Application for Permanent Extension

This feature enables you to use the [Run Compliance Reports](#) app to apply for a permanent extension of the deadline for submitting the advance VAT return (Antrag auf Dauerfristverlängerung). You can use the app to generate the application and submit it directly to the tax authorities. If the application is granted, the deadline is postponed by one month until the extension is revoked by the tax authorities.

Technical Details

Type	New
Functional Localization	Localized for Germany
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-VAT-DE (ACR Reports Germany)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

For more information, see [Configuration for Application for Permanent Extension](#).

Related Information

[Application for Permanent Extension](#)

14.8.2.2 Registration of Special Advance Payment

This feature enables you to use the [Run Compliance Reports](#) app to register a special advance payment (Anmeldung der Sondervorauszahlung) that allows you to postpone the submission deadline of the advance VAT return. You can use the app to generate the registration and submit it directly to the tax authorities. If the registered amount is approved, the submission deadline is postponed by one month for the duration of the tax year.

Technical Details

Type	New
Functional Localization	Localized for Germany
Scope Item	1J2 (<i>Advance Compliance Reporting</i>)
Application Component	FI-LOC-VAT-DE (<i>ACR Reports Germany</i>)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

For more information, see [Configuration for Registration of Special Advance Payment](#).

Related Information

[Registration of Special Advance Payment](#)

14.9 Greece

14.9.1 Cross-Application Functions

14.9.1.1 Electronic Documents

14.9.1.1.1 Usability Improvements for Document Compliance Framework

The following features deliver usability improvements:

- Access of different sources of errors directly from the result list in the *eDocument Cockpit* (EDOC_COCKPIT) from the *Logs/File* column.
- Navigation from a source document (accounting documents, billing documents, and settlement documents) to the corresponding eDocument using Object Relationship Service (ORS).

Technical Details

Type	New
Functional Localization	Localized for Australia, Austria, Belgium, Denmark, Germany, Ireland, Mexico, Netherlands, New Zealand, Norway, Portugal, Singapore, South Korea, Sweden, Taiwan, Thailand, Turkey, Greece, Poland, Kazakhstan
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO (Document Compliance Framework)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

Displaying the [Logs/File](#) column to open different sources of errors is only possible if the screen 0100 of function group EDOC_COCKPIT4 is used for the [eDocument Cockpit](#).

Note

If you have created your own development in the current screen of the [eDocument Cockpit](#) (program EDOC_COCKPIT/screen 0100), this isn't displayed when using the new screen.

Effects on Customizing

The following setting is required in Customizing to enable the [Logs/File](#) column in the [eDocument Cockpit](#) under ► [Cross-Application Components](#) ► [General Application Functions](#) ► [eDocument](#) ► [General Settings](#) ► [Maintain General Parameters for eDocument](#) ⚙️:

Customizing view EDOGENCUSTV

Customizing Parameter Name	Customizing Parameter Value
NEW_SCREEN	X

14.9.1.1.2 Determination of eDocument Types

The eDocument types are determined for eDocuments by the standard system logics and your customizing configurations. As of this release, the process about how the eDocument types are determined for Document Compliance for Greece is introduced in the Application Help.

Technical Details

Type	New
Functional Localization	Localized for Greece
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO-GR (Document Compliance Greece)
Valid as Of	SAP S/4HANA 2021

Additional Details

For Document Compliance for Greece, there are different processes about determination of eDocument types based on the following types of source documents:

- Sales and Distribution (SD) or Financial Accounting (FI) Customer Invoices
- Invoice Verification Documents
- FI Vendor Invoices

Related Information

[Determination of eDocument Types](#)

14.10 Hungary

14.10.1 Finance

14.10.1.1 Tax Fulfillment Date

With this feature, the tax fulfillment date is now stored in the new [Tax Fulfillment Date](#) (FULFILLDATE) field in the VAT Return report.

Technical Details

Type	New
Functional Localization	Localized for Hungary
Scope Item	J58 (Accounting and Financial Close)
Application Component	FI-LOC-FI-HU (<i>Financials Hungary</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Tax Reporting Date and Tax Fulfillment Date](#)

14.10.1.2 EC Sales List

The [EC Sales List](#) report that you generate using the [Run Compliance Reports](#) app is now available in the enhanced mode with new activities.

Technical Details

Type	Changed
Functional Localization	Localized for Hungary
Scope Item	1J2
Application Component	FI-LOC-FI-HU (<i>Financials Hungary</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can now use the [Manage Tax Items](#) activity before generating the [Hungarian EC Sales and Purchase List 21A60](#) activity.

Effects on Customizing

For more information on the configuration requirements, refer to [Configuration for EC Sales List](#).

Related Information

[EC Sales List](#)

14.11 India

14.11.1 Finance

14.11.1.1 GSTR 6

SAP enables you to generate the GSTR 6 advanced compliance report for the (3) input tax credit received for distribution, and (5) distribution of input tax credit tables.

Technical Details

Type	New
Functional Localization	Localized for India
Scope Item	1J2
Application Component	XX-CSC-IN-FI
Available As Of	SAP S/4HANA 2021

Related Information

[GSTR 6 Report](#)

14.11.1.2 Contract Accounting

14.11.1.2.1 Tax Collected at Source (TCS)

With this feature, you can process the calculation of tax collected at source for India. Tax collected at source (TCS) is a tax payable by the seller of goods in India that the seller collects from the buyer at the time of sale. Section 206C of the income tax act governs the goods on which the TCS applies and the tax shall be collected from the purchaser.

Technical Details

Type	New
Functional Localization	Localized for India
Scope Item	Not applicable
Application Component	FI-LOC-CA-IN (Contract Accounts Receivable and Payable: India)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following functions are enabled:

- You can process the TCS calculation:
 - The system compares the amount with the threshold defined in Customizing. If the amount is above the threshold, TCS is calculated for the amount that is over the threshold. If the document amount is below the threshold, no TCS is calculated.
 - The system accumulates the tax base amount and the tax amount including the FI documents created in the FI/LOG components. The accumulation always considers all the documents created in both components, the accumulation cannot be done in the components separately.
The total accumulated amount (FI-CA and FI/LOG) is always used to calculate TCS.
- You can use the [Display Accumulated TCS Data \(India\)](#) report to display and check the accumulated tax collected at source (TCS) header and item data and the correctness of the posted TCS tax. The report collects the data from the accumulation database tables of both the FI-CA and the FI components.
- You can process (create, post, reverse) remittance challans for TCS items posted in [Contract Accounting](#) and transferred to [General Ledger](#), when you need to remit a given sort of tax.
- Integration of the SD and FI-CA components: when you create an SD document, you release the document to accounting (that is, create and post a corresponding contract accounting document) so that the accumulation tables are updated and after that you can post new documents with TCS.

Related Information

[Tax Collected at Source \(TCS\)](#)

[Prerequisites for Processing Tax Collected at Source \(TCS\)](#)

14.11.2 Utilities

14.11.2.1 Tax Collected at Source (TCS) in Utilities

With this feature, you can process the calculation of tax collected at source for India, in the IS-UT ([SAP Utilities](#)) component.

Technical Details

Type	New
Functional Localization	Localized for India
Scope Item	Not applicable
Application Component	IS-UT (SAP Utilities)
Valid as Of	SAP S/4HANA 2021

Additional Details

Tax collected at source (TCS) is a tax payable by the seller of goods in India that the seller collects from the buyer at the time of sale. Section 206C of the income tax act governs the goods on which the TCS applies and the tax shall be collected from the purchaser. Any sale of goods by IS-Utilities customers exceeding a defined threshold in a financial year is subject to TCS.

The SAP Utilities solution is related to the TCS solution in [Contract Accounting](#).

Related Information

[Tax Collected at Source \(TCS\) in SAP Utilities](#)

[Prerequisites for Calculating TCS in Utilities](#)

14.12 Ireland

14.12.1 Cross-Application Functions

14.12.1.1 Electronic Documents

14.12.1.1.1 Usability Improvements for Document Compliance Framework

The following features deliver usability improvements:

- Access of different sources of errors directly from the result list in the *eDocument Cockpit* (EDOC_COCKPIT) from the *Logs/File* column.
- Navigation from a source document (accounting documents, billing documents, and settlement documents) to the corresponding eDocument using Object Relationship Service (ORS).

Technical Details

Type	New
Functional Localization	Localized for Australia, Austria, Belgium, Denmark, Germany, Ireland, Mexico, Netherlands, New Zealand, Norway, Portugal, Singapore, South Korea, Sweden, Taiwan, Thailand, Turkey, Greece, Poland, Kazakhstan
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO (<i>Document Compliance Framework</i>)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

Displaying the *Logs/File* column to open different sources of errors is only possible if the screen 0100 of function group EDOC_COCKPIT4 is used for the *eDocument Cockpit*.

i Note

If you have created your own development in the current screen of the *eDocument Cockpit* (program EDOC_COCKPIT/screen 0100), this isn't displayed when using the new screen.

Effects on Customizing

The following setting is required in Customizing to enable the [Logs/File](#) column in the [eDocument Cockpit](#) under ► [Cross-Application Components](#) ► [General Application Functions](#) ► [eDocument](#) ► [General Settings](#) ► [Maintain General Parameters for eDocument](#) ⌵:

Customizing view EDOGENCUSTV

Customizing Parameter Name	Customizing Parameter Value
NEW_SCREEN	X

14.12.1.1.2 Determination of Company Code from Incoming Message Data

As of this release, you can extend your solution to derive the correct company code for your electronic documents if your system has different company codes using the same Peppol ID, for example, the same VAT Number.

Technical Details

Type	New
Functional Localization	Localized for Austria, Australia, Belgium, Denmark, Germany, Ireland, Netherlands, Norway, Poland, Sweden, Singapore, and New Zealand.
Scope Item	n/a
Application Component	Document Compliance Framework (CA-GTF-CSC-EDO)
Available As Of	SAP S/4HANA 2021

Additional Details

You implement the [eDocument Incoming Data Determination](#) (EDOC_INCOM_DATA) to determine the correct company code to be included in the electronic documents.

14.13 Israel

14.13.1 Finance

14.13.1.1 Withholding Tax Report (Form 856)

This feature enables you to use the [Run Compliance Reports](#) app to generate the withholding tax report (Form 856) in accordance with the requirements in Israel. In addition to the withholding tax report, the app also generates the confirmation letters that you can send to the relevant suppliers.

Technical Details

Type	New
Functional Localization	Localized for Israel
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-FI-IL (Financials Israel)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

To support the advanced compliance reporting functions for the withholding tax report for Israel, you must make settings in Customizing for [Financial Accounting](#) under [► Advanced Compliance Reporting ► Setting Up Your Compliance Reporting ►](#).

Related Information

[Withholding Tax Report \(Form 856\)](#)

14.14 Italy

14.14.1 Cross-Application Functions

14.14.1.1 Electronic Documents

14.14.1.1.1 Settlement Management Integration for eDocument

This feature enables you to create electronic documents in the *eDocument Cockpit* (EDOC_COCKPIT) transaction for the source document type Settlement Management Document (STLMT_INV) for the following Settlement Management Document categories:

- Settlement Document
- Customer Settlement
- Expense Settlement





Technical Details

Type	New
Functional Localization	Localized for Italy
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO-IT (<i>Document Compliance Italy</i>)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

The new eDocument source type is available in the *eDocument Cockpit* (EDOC_COCKPIT), which allows you to create electronic documents for Settlement Management documents.

Effects on Customizing

The following Customizing activity is required to enable the new function: in Customizing for *Cross-Application Components*, under  *General Application Functions*  *eDocument*  *Assign eDocument Type to Settlement Document Type (EDOTMFKV)* .

Related Information

[Configuration for Settlement Management](#)

14.14.2 Finance

14.14.2.1 Withholding Tax - Modelo 123 Report

SAP's [Run Compliance Report](#) app provides you the ease of generating Modelo 123 withholding tax report complying to Spanish legal requirements. Modelo 123 is an official withholding tax return that contains the amounts withheld from incomes of movable capital assets belonging to individuals subject to Personal Tax law (IRPF), other incomes belonging to legal entities. This report must be submitted to the tax authority on a monthly or quarterly basis within the first 15 days of the month following to the reporting period.

Technical Details

Type	New
Functional Localization	Localized for Spain
Scope Item	1J2
Application Component	FI-AP-AP-Q1 (Financials Spain)
Available As Of	SAP S/4HANA 2021

Related Information

[Withholding Tax - Modelo 123 Report](#)

14.14.2.2 Withholding Tax - Modelo 193 Report

SAP's [Run Compliance Report](#) app provides you the ease of generating Modelo 193 withholding tax report complying to Spanish legal requirements. Modelo 193 is an official withholding tax return that contains the amounts withheld from incomes of movable capital assets belonging to individuals subject to Personal Tax law (IRPF), other incomes belonging to legal entities. This report is a summary of the monthly submitted Withholding Tax - Modelo 123 Report. This report must be submitted to the tax authority on a yearly basis between 1st and 31st of January of the year succeeding the reporting year.

Technical Details

Type	New
Functional Localization	Localized for Spain
Scope Item	1J2
Application Component	FI-AP-AP-Q1 (<i>Financials Spain</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Withholding Tax - Modelo 193 Report](#)

14.14.2.3 Super/Hyper Depreciation

This feature enables you to manage your fixed assets with an investment incentive calculation for super depreciation or hyper depreciation, according to the Italy legal requirements.

Technical Details

Type	New
Functional Localization	Localized for Italy
Scope Item	J58
Application Component	FI-LOC-FI-IT (<i>Financials Italy</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can now maintain the special depreciation values for the super and hyper depreciation, in addition to the ordinary depreciation values.

Related Information

[Super/ Hyper Depreciation](#)

14.15 Japan

14.15.1 Finance

14.15.1.1 Maintain House Bank Data - Japan

You can use this app to maintain the house bank data for Japan. You can maintain multiple entries for one house bank regarding the information of [Company Number](#) and [Company Number](#).

Technical Details

Type	New
Functional Localization	Localized for Japan
Scope Item	BFA (Basic Bank Account Management)
Application Component	FI-LOC-FI-JP (Financials Japan)
Valid as Of	SAP S/4HANA 2021

Related Information

[Maintain House Bank Data - Japan](#)

14.15.1.2 Balance Sheet / Profit and Loss Statement for Profit Center Group

You can use generate [Balance Sheet / Profit and Loss Statement](#) monthly and quarterly reports for profit center groups.

Technical Details

Type	Changed
Functional Localization	Localized for Japan
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-FI-JP (<i>Financials Japan</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Balance Sheet / Profit and Loss Statement \(Monthly\)](#)
[Balance Sheet / Profit and Loss Statement \(Quarterly\)](#)

14.15.1.3 CDS Views for Annex 20 Report

The following CDS views are delivered to retrieve the books of accounts receivable and accounts payable for sections (4) and (5) in Annex 20 of Order for Enforcement of the Corporation Tax Act:

- I_JP_Annex204ARBookCube
- C_JP_Annex204ARBookQuery
- I_JP_Annex205APBookCube
- C_JP_Annex205APBookQuery

Technical Details

Type	New
Functional Localization	Localized for Japan
Scope Item	J58 (Accounting and Financial Close)
Application Component	FI-LOC-FI-JP (<i>Financials Japan</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Annex 20 Books in Corporate Tax](#)

14.15.1.4 New Apps for Annex 20(4) and Annex 20(5)

You can use the following apps:

- [Accounts Receivable Book - Japan Annex 20\(4\)](#) to display the books of accounts receivable for section (4) in Annex 20 of Order for Enforcement of the Corporation Tax Act.
- [Accounts Payable Book - Japan Annex 20\(5\)](#) to display the books of accounts payable for section (5) in Annex 20 of Order for Enforcement of the Corporation Tax Act.

Technical Details

Type	New
Functional Localization	Localized for Japan
Scope Item	J58 (Accounting and Financial Close)
Application Component	FI-LOC-FI-JP (Financials Japan)
Valid as Of	SAP S/4HANA 2021

Related Information

[Corporate Tax Law Annex 20\(4\) and Annex 20\(5\)](#)

14.15.2 Sourcing and Procurement

14.15.2.1 Invoice Management

14.15.2.1.1 Invoice Processing

14.15.2.1.1.1 Adjustment of Payment Due Dates in the Case of Public Holidays for Supplier Invoices

In Japan, if a payment due date falls on a public holiday, you as a purchaser should adjust it as required by the supplier or the applicable legal regulations. For example, your supplier might ask you to bring it forward to the last working day before the public holiday. With this feature, you can configure the system to calculate and fill payment due dates properly in this circumstance in the **MIRO** transaction or the [Create Supplier Invoice - Advanced](#) app (app ID: **MIRO**).

Technical Details

Type	New
Functional Localization	Localized for Japan
Scope Item	Not applicable
Application Component	FI-LOC-LO-JP (Logistics Japan)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

In supplier master data, you specify how payment due dates are adjusted in the case of public holidays by using the settings under [Japan: DDS Data](#) on the [Vendor: Country-Specific Enhancements 2](#) tab. As a result, when you create a supplier invoice in the **MIRO** transaction or the [Create Supplier Invoice - Advanced](#) app, if the payment due date falls on a public holiday, the system adjusts it accordingly. The system also adjusts the cash discount days accordingly.

Related Information

[Adjustment of Payment Due Dates in the Case of Public Holidays for Supplier Invoices](#)

14.16 Luxembourg

14.16.1 Cross-Application Components

14.16.1.1 Electronic Documents for Luxembourg

As of this release, you can create electronic documents using Document Compliance for Luxembourg.

Technical Details

Type	New
Functional Localization	Localized for Luxembourg
Scope Item	BD9 (BD9), BDD (BDD), J14 (J14), J59 (J59), 1EZ (1EZ), 2EQ (2EQ)
Application Component	CA-GTF-CSC-EDO-LU (Document Compliance Luxembourg)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following apps are available for this feature:

App Name	Description
eDocument Cockpit	You can convert transactional documents, such as invoices into XML format and submit them to the end receivers. Receive electronic documents from business partners, such as your suppliers, and further process them.
eDocument: Processing in Background	You can schedule jobs to run actions on the electronic documents in the background.

In addition, for all customers you want to exchange electronic documents, you must maintain in their master data settings that identify them in the Peppol network.

Effects on System Administration

You can archive eDocuments using the archiving object EDOCUMENT.

Effects on Customizing

You must carry out the following Customizing activities:

Make general settings for creating electronic documents. Find the configuration steps in Customizing under

► [Cross-Application Components](#) ► [General Application Functions](#) ► [eDocument](#) ► [General Settings](#) ⌵:

- [Activate Source Type Documents for Company Code](#) (EDOCOMPANYACTIV)
- [Define Interface Type for eDocument](#) (EDOINTTYPEV)
- [Assign eDocument Type to Accounting Document Type](#) (T003EDOC)
- [Assign eDocument Type to Billing Document Type](#) (TVFKEDOCV)
- [Define Process Communication Through SAP Document Compliance Cloud Service](#) (EDOCOMPPROCCOMV)

Make settings required to exchange electronic documents among the participants of the Peppol network. Find the configuration steps under ► [Cross-Application Components](#) ► [General Application Functions](#) ► [eDocument](#)

► [Country/Region Specific Settings](#) ► [Luxembourg](#) ► [Settings for Peppol](#) ⌵:

- [Assign Party ID Types to Business Partner](#) (EDOEUBUPAV)
- [Assign Party ID Types to Companies](#) (EDOEUCOMPV)
- [Assign Business Partner Identification Types to party ID Types](#) (EDOEUBPIDTYPEV)
- [Define Bank Accounts for Company Code](#) (EDOEUBANKACCV)

Additionally, you can configure several value mappings and fix values to better meet your business needs.

Related Information

[Electronic Documents](#)

14.16.2 Finance

14.16.2.1 Periodic VAT Return

This feature enables you to use the [Run Compliance Reports](#) app to generate the data required for the periodic VAT return according to the legal requirements in Luxembourg. The VAT return is submitted monthly or quarterly depending on total annual turnover for the previous fiscal year.

Technical Details

Type

New

Functional Localization	Localized for Luxembourg
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-FI-LU (Financials Luxembourg)
Available As Of	SAP S/4HANA 2021

Additional Details

This compliance report replaces the creation of VAT returns using the [Prepare Electronic Tax Return](#) report.

Effects on Customizing

For more information, see [Configuration for Periodic VAT Return](#).

Related Information

[Periodic VAT Return](#)

14.17 Mexico

14.17.1 Cross-Application Functions

14.17.1.1 Electronic Documents

14.17.1.1.1 ePayment: Inclusion of an Additional "Pago" Node in XML Files in the Case of Condoned Incomplete Payments

If a customer pays a little less than the actual invoice amount, you might condone the difference. In this case, you can include an additional **Pago** node in the XML file for the payment document as required by the tax authorities.

Technical Details

Type	New
Functional Localization	Localized for Mexico
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO-MX (Document Compliance Mexico)
Valid as Of	SAP S/4HANA 2021

Additional Details

In this case, to enable your system to include the **Pago** node in the XML file for the payment document, you should do the following when posting the payment document:

- Post the difference amount into a loss account.
- Enter **15** ([Condonation](#)) in the [Reason Code](#) field of the line item for the difference amount.
- If more than one invoice is cleared by the payment, you should enter the related invoice number in the [Assignment](#) field of the line item for the difference amount.

This function is supported in both [Mexico ePayments](#) and [Mexico Consolidated ePayment](#) processes.

Related Information

[Mexico ePayment Process](#)
[Mexico Consolidated ePayment](#)

14.17.1.1.2 Inclusion of the Fiscal Text Complement in Electronic Documents

With this feature, you can include the Fiscal Text Complement (Spanish: Complemento de Leyendas Fiscales) in XML files for electronic invoices, payment documents, and delivery notes.

Technical Details

Type	New
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Functional Localization	Localized for Mexico
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO-MX (Document Compliance Mexico)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

You must do the field mapping for this complement by implementing the `SET_OUTPUT_DATA` method of the Business Add-In [Enhancements for eDocument](#) (`EDOC_ADAPTOR`).

In addition, to make the complement work end to end, you must implement the integration package [SAP Document Compliance: Electronic Documents for Mexico](#), **version 1.0.18 or higher**.

Related Information

[Customizing for eDocument - Mexico](#)
[Configuration for Communication with External Systems](#)

14.17.1.1.3 Usability Improvements for Document Compliance Framework

The following features deliver usability improvements:

- Access of different sources of errors directly from the result list in the [eDocument Cockpit](#) (`EDOC_COCKPIT`) from the [Logs/File](#) column.
- Navigation from a source document (accounting documents, billing documents, and settlement documents) to the corresponding eDocument using Object Relationship Service (ORS).

Technical Details

Type	New
------	-----

Functional Localization	Localized for Australia, Austria, Belgium, Denmark, Germany, Ireland, Mexico, Netherlands, New Zealand, Norway, Portugal, Singapore, South Korea, Sweden, Taiwan, Thailand, Turkey, Greece, Poland, Kazakhstan
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO (Document Compliance Framework)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

Displaying the [Logs/File](#) column to open different sources of errors is only possible if the screen 0100 of function group EDOC_COCKPIT4 is used for the [eDocument Cockpit](#).

Note

If you have created your own development in the current screen of the [eDocument Cockpit](#) (program EDOC_COCKPIT/screen 0100), this isn't displayed when using the new screen.

Effects on Customizing

The following setting is required in Customizing to enable the [Logs/File](#) column in the [eDocument Cockpit](#) under ► [Cross-Application Components](#) ► [General Application Functions](#) ► [eDocument](#) ► [General Settings](#) ► [Maintain General Parameters for eDocument](#) ⌵:

Customizing view EDOGENCUSTV

Customizing Parameter Name	Customizing Parameter Value
NEW_SCREEN	X

14.18 Netherlands

14.18.1 Cross-Application Functions

14.18.1.1 Electronic Documents

14.18.1.1.1 Usability Improvements for Document Compliance Framework

The following features deliver usability improvements:

- Access of different sources of errors directly from the result list in the *eDocument Cockpit* (EDOC_COCKPIT) from the *Logs/File* column.
- Navigation from a source document (accounting documents, billing documents, and settlement documents) to the corresponding eDocument using Object Relationship Service (ORS).

Technical Details

Type	New
Functional Localization	Localized for Australia, Austria, Belgium, Denmark, Germany, Ireland, Mexico, Netherlands, New Zealand, Norway, Portugal, Singapore, South Korea, Sweden, Taiwan, Thailand, Turkey, Greece, Poland, Kazakhstan
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO (<i>Document Compliance Framework</i>)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

Displaying the *Logs/File* column to open different sources of errors is only possible if the screen 0100 of function group EDOC_COCKPIT4 is used for the *eDocument Cockpit*.

i Note

If you have created your own development in the current screen of the *eDocument Cockpit* (program EDOC_COCKPIT/screen 0100), this isn't displayed when using the new screen.

Effects on Customizing

The following setting is required in Customizing to enable the [Logs/File](#) column in the [eDocument Cockpit](#) under ► [Cross-Application Components](#) ► [General Application Functions](#) ► [eDocument](#) ► [General Settings](#) ► [Maintain General Parameters for eDocument](#) ⌵:

Customizing view EDOGENCUSTV

Customizing Parameter Name	Customizing Parameter Value
NEW_SCREEN	X

14.18.1.1.2 Determination of Company Code from Incoming Message Data

As of this release, you can extend your solution to derive the correct company code for your electronic documents if your system has different company codes using the same Peppol ID, for example, the same VAT Number.

Technical Details

Type	New
Functional Localization	Localized for Austria, Australia, Belgium, Denmark, Germany, Ireland, Netherlands, Norway, Poland, Sweden, Singapore, and New Zealand.
Scope Item	n/a
Application Component	Document Compliance Framework (CA-GTF-CSC-EDO)
Available As Of	SAP S/4HANA 2021

Additional Details

You implement the [eDocument Incoming Data Determination](#) (EDOC_INCOM_DATA) to determine the correct company code to be included in the electronic documents.

14.18.1.1.3 Settlement Management Integration for eDocument

This feature enables you to create electronic documents in the *eDocument Cockpit* (EDOC_COCKPIT) transaction for the source document type Settlement Management Document (STLMT_INV) for the following Settlement Management Document categories:

- Settlement Document
- Customer Settlement
- Expense Settlement





Technical Details

Type	New
Functional Localization	Localized for the Netherlands
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO-NL (<i>Document Compliance Netherlands</i>)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

The new eDocument source type is available in the *eDocument Cockpit* (EDOC_COCKPIT), which allows you to create electronic documents for Settlement Management documents.

Effects on Customizing

The following Customizing activity is required to enable the new function: in Customizing for *Cross-Application Components*, under  *General Application Functions*  *eDocument*  *Assign eDocument Type to Settlement Document Type (EDOTMFKV)* .

Related Information

[Customizing](#)

14.18.2 Finance

14.18.2.1 Read Access Logging in Financial Audit File

With this feature, you can use the `SAP Gateway (OData)` channel in the [Read Access Logging \(RAL\) Manager](#) (SRALMANAGER transaction) to log and monitor read access to sensitive bank data during the download of the Financial Audit File for Netherlands from the [Run Compliance Reports](#) app.

Technical Details

Type	Changed
Functional Localization	Localized for the Netherlands
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-AUR-NL (Audit Reporting Netherlands)
Available As Of	SAP S/4HANA 2021

Related Information

[Read Access Logging Configurations in Financial Audit File](#)

14.18.2.2 Contract Accounting Data in Advanced Compliance Reports

With this feature, the VAT return (version 15.0 and correction report) can process journal entries that were created based on [Contract Accounts Receivable and Payable](#) (FI-CA) documents.

Technical Details

Type	New
Functional Localization	Localized for the Netherlands

Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-CA (Contract Accounting)
Valid as Of	SAP S/4HANA 2021

Additional Details

In the analytical view for generated runs, you can check the details of the FI-CA documents in the [Reconciliation Key](#) and [Reference Document Type](#) columns.

Related Information

[VAT Return](#)
[Analyze Data](#)

14.18.3 Qatar

14.18.3.1 Finance

14.18.3.1.1 Payment Formats and Bank Statements

With this feature, you can use new payment medium formats and bank statements in your payment processing.

Technical Details

Type	New
Functional Localization	Localized for Qatar
Scope Item	Not applicable
Application Component	FI-LOC-FI-QA (Financials Qatar)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following payment medium formats are available:

- QA_CGI_XML_CT
- QA_CGI_XML_DD
- QA_CGI_MT101
- QA_CGI_MT103

Note that these payment medium formats do not replace any of the already available formats.

The following bank statements are available:

- CAMT.053, version 2 (CAMT.053.001.02)
- MT940

Related Information

[Country/Region-Specific Payment Formats](#)

14.19 New Zealand

14.19.1 Cross-Application Functions

14.19.1.1 Electronic Documents

14.19.1.1.1 Creation and Sending of Electronic, Self-Billing Tax Invoices

With this feature, you can create and send electronic, self-billing tax invoices to your suppliers over the Peppol network. You as a buyer can value goods or services from your suppliers and issue tax invoices on their behalf. Such tax invoices are known as self-billing tax invoice or buyer-created tax invoice.

Technical Details

Type	New
Functional Localization	Localized for New Zealand

Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO-NZ (Document Compliance New Zealand)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can create electronic self-billing tax invoices based on the following source documents:

- Supplier invoices created using the transaction [Enter Vendor Invoice](#) (FB60)
- Supplier invoices created using the transaction [Evaluated Receipt Settlement \(ERS\) with Logistics Invoice Verification](#) (MRRL)
- Supplier invoices created using the transaction [Enter Incoming Invoice](#) (MIRO)

Once you post a source document in the source application, the system creates and displays an electronic, self-billing tax invoice in both the following places:

- [New Zealand eInvoice](#) process in the [eDocument Cockpit](#) (transaction EDOC_COCKPIT)
- [New Zealand eInvoice](#) process in the [Document Compliance Cockpit](#) app

You can then send the electronic, self-billing tax invoice to the supplier by choosing [Submit](#) in either the [eDocument Cockpit](#) or [Document Compliance Cockpit](#).

Effects on Customizing

You carry out the following configuration activities to define the rule for generating and processing electronic, self-billing tax invoices:

- [Activating Source Type Documents for Company Code](#)
- [Assigning eDocument Type to Invoice Verification Transaction](#)
- [Assigning eDocument Type to Accounting Document Type](#)

You can also define your own logic for generating and processing electronic documents by implementing the Business Add-In [Enhancements for eDocument](#) (EDOC_ADAPTOR).

Related Information

[Activating Source Type Documents for Company Codes](#)
[Assigning eDocument Types to Invoice Verification Transactions](#)
[Assigning eDocument Types to Accounting Document Types](#)
[Enhancements for Electronic Documents](#)
[Processing Self-Billing Tax Invoices](#)

14.19.1.1.2 Usability Improvements for Document Compliance Framework

The following features deliver usability improvements:

- Access of different sources of errors directly from the result list in the *eDocument Cockpit* (EDOC_COCKPIT) from the *Logs/File* column.
- Navigation from a source document (accounting documents, billing documents, and settlement documents) to the corresponding eDocument using Object Relationship Service (ORS).

Technical Details

Type	New
Functional Localization	Localized for Australia, Austria, Belgium, Denmark, Germany, Ireland, Mexico, Netherlands, New Zealand, Norway, Portugal, Singapore, South Korea, Sweden, Taiwan, Thailand, Turkey, Greece, Poland, Kazakhstan
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO (<i>Document Compliance Framework</i>)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

Displaying the *Logs/File* column to open different sources of errors is only possible if the screen 0100 of function group EDOC_COCKPIT4 is used for the *eDocument Cockpit*.

i Note

If you have created your own development in the current screen of the *eDocument Cockpit* (program EDOC_COCKPIT/screen 0100), this isn't displayed when using the new screen.

Effects on Customizing

The following setting is required in Customizing to enable the *Logs/File* column in the *eDocument Cockpit* under ► *Cross-Application Components* ► *General Application Functions* ► *eDocument* ► *General Settings* ► *Maintain General Parameters for eDocument* ⌵:

Customizing Parameter Name	Customizing Parameter Value
NEW_SCREEN	X

14.20 Norway

14.20.1 Cross-Application Functions

14.20.1.1 Electronic Documents

14.20.1.1.1 Usability Improvements for Document Compliance Framework

The following features deliver usability improvements:

- Access of different sources of errors directly from the result list in the *eDocument Cockpit* (EDOC_COCKPIT) from the *Logs/File* column.
- Navigation from a source document (accounting documents, billing documents, and settlement documents) to the corresponding eDocument using Object Relationship Service (ORS).

Technical Details

Type	New
Functional Localization	Localized for Australia, Austria, Belgium, Denmark, Germany, Ireland, Mexico, Netherlands, New Zealand, Norway, Portugal, Singapore, South Korea, Sweden, Taiwan, Thailand, Turkey, Greece, Poland, Kazakhstan
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO (<i>Document Compliance Framework</i>)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

Displaying the *Logs/File* column to open different sources of errors is only possible if the screen 0100 of function group EDOC_COCKPIT4 is used for the *eDocument Cockpit*.

Note

If you have created your own development in the current screen of the *eDocument Cockpit* (program EDOC_COCKPIT/screen 0100), this isn't displayed when using the new screen.

Effects on Customizing

The following setting is required in Customizing to enable the *Logs/File* column in the *eDocument Cockpit* under ► *Cross-Application Components* ► *General Application Functions* ► *eDocument* ► *General Settings* ► *Maintain General Parameters for eDocument* ⌵:

Customizing view EDOGENCUSTV

Customizing Parameter Name	Customizing Parameter Value
NEW_SCREEN	X

14.20.1.1.2 Determination of Company Code from Incoming Message Data

As of this release, you can extend your solution to derive the correct company code for your electronic documents if your system has different company codes using the same Peppol ID, for example, the same VAT Number.

Technical Details

Type	New
Functional Localization	Localized for Austria, Australia, Belgium, Denmark, Germany, Ireland, Netherlands, Norway, Poland, Sweden, Singapore, and New Zealand.
Scope Item	n/a
Application Component	Document Compliance Framework (CA-GTF-CSC-EDO)
Available As Of	SAP S/4HANA 2021

Additional Details

You implement the *eDocument Incoming Data Determination* (EDOC_INCOM_DATA) to determine the correct company code to be included in the electronic documents.

14.20.1.1.3 Specify Company as a Registered Business

As of this release, you can define in the additional parameters settings of your company that it is a registered company in Norway. As a result, the text **Foretaksregisteret** (in English, Register of Business Enterprises) is displayed in the electronic documents you send to your business partners.

Technical Details

Type	New
Functional Localization	Localized for Norway
Scope Item	n/a
Application Component	CA-GTF-CSC-EDO-NO (<i>Document Compliance for Norway</i>)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

This feature replaces the *Norway: Registered as Business* (NO_IS_BUSINESS_ENTER) fix value, which has been set to obsolete with SAP Note [3037488](#).

If you've used this fixed value in the past, before using the new feature, ensure that you've deleted the entries maintained under this fix value in the /EDUBL namespace. To do so, in Customizing go to ► *Cross-Application Components* ► *General Application Functions* ► *SAP Application Interface Framework* ► *Interface Development* ►► *Define Fix Values* and delete the old setting.

Related Information

[Specifying the Company as a Registered Business](#)

14.20.2 Finance

14.20.2.1 Internal Bank Accounts in SAF-T Files

This feature enables you to exclude internal bank accounts associated with an in-house cash center from the SAF-T files generated by the [Run Compliance Reports](#) app.

Technical Details

Type	Changed
Functional Localization	Localized for Norway
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-SAF-NO (SAF-T Norway)
Available As Of	SAP S/4HANA 2021

Related Information

[SAF-T](#)

14.20.2.2 Read Access Logging in SAF-T

With this feature, you can use the SAP Gateway (OData) channel in the [Read Access Logging \(RAL\) Manager](#) (SRALMANAGER transaction) to log and monitor read access to sensitive bank data during the download of the SAF-T Norway reporting file from the [Run Compliance Reports](#) app.

Technical Details

Type	Changed
Functional Localization	Localized for Norway
Scope Item	1J2 (Advance Compliance Reporting)

Application Component	FI-LOC-SAF-NO (SAF-T Norway)
Available As Of	SAP S/4HANA 2021

Related Information

[Read Access Logging Configurations in SAF-T Files](#)

14.20.2.3 G/L Account Line Items

The [G/L Account Line Item Display](#) (RFITEMGL_NO) report is now obsolete. It has been replaced by the [G/L Account Line Items](#) report that you generate using the [Run Compliance Reports](#) app.

Technical Details

Type	Deprecated
Functional Localization	Localized for Norway
Scope Item	J58 (Accounting and Financial Close) 1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-FI-NO (Financials Norway)
Valid as Of	SAP S/4HANA 2021

Additional Details

For a complete list of advanced compliance reports that are replacing old reports, please see SAP Note [2480067](#) 

Related Information

[G/L Account Line Items](#)

14.21 Poland

14.21.1 Cross-Application Functions

14.21.1.1 Electronic Documents

14.21.1.1.1 Usability Improvements for Document Compliance Framework

The following features deliver usability improvements:

- Access of different sources of errors directly from the result list in the *eDocument Cockpit* (EDOC_COCKPIT) from the *Logs/File* column.
- Navigation from a source document (accounting documents, billing documents, and settlement documents) to the corresponding eDocument using Object Relationship Service (ORS).

Technical Details

Type	New
Functional Localization	Localized for Australia, Austria, Belgium, Denmark, Germany, Ireland, Mexico, Netherlands, New Zealand, Norway, Portugal, Singapore, South Korea, Sweden, Taiwan, Thailand, Turkey, Greece, Poland, Kazakhstan
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO (<i>Document Compliance Framework</i>)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

Displaying the *Logs/File* column to open different sources of errors is only possible if the screen 0100 of function group EDOC_COCKPIT4 is used for the *eDocument Cockpit*.

i Note

If you have created your own development in the current screen of the *eDocument Cockpit* (program EDOC_COCKPIT/screen 0100), this isn't displayed when using the new screen.

Effects on Customizing

The following setting is required in Customizing to enable the [Logs/File](#) column in the [eDocument Cockpit](#) under ► [Cross-Application Components](#) ► [General Application Functions](#) ► [eDocument](#) ► [General Settings](#) ► [Maintain General Parameters for eDocument](#) ⌵:

Customizing view EDOGENCUSTV

Customizing Parameter Name	Customizing Parameter Value
NEW_SCREEN	X

14.21.1.1.2 Determination of Company Code from Incoming Message Data

As of this release, you can extend your solution to derive the correct company code for your electronic documents if your system has different company codes using the same Peppol ID, for example, the same VAT Number.

Technical Details

Type	New
Functional Localization	Localized for Austria, Australia, Belgium, Denmark, Germany, Ireland, Netherlands, Norway, Poland, Sweden, Singapore, and New Zealand.
Scope Item	n/a
Application Component	Document Compliance Framework (CA-GTF-CSC-EDO)
Available As Of	SAP S/4HANA 2021

Additional Details

You implement the [eDocument Incoming Data Determination](#) (EDOC_INCOM_DATA) to determine the correct company code to be included in the electronic documents.

14.21.2 Read Access Logging in Financial Audit File

With this feature, you can use the SAP Gateway (OData) channel in the [Read Access Logging \(RAL\) Manager](#) (SRALMANAGER transaction) to log and monitor read access to sensitive bank data during the download of the Financial Audit File for Netherlands from the [Run Compliance Reports](#) app.

Technical Details

Type	Changed
Functional Localization	Localized for the Netherlands
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-AUR-NL (Audit Reporting Netherlands)
Available As Of	SAP S/4HANA 2021

Related Information

[Read Access Logging Configurations in Financial Audit File](#)

14.22 Portugal

14.22.1 Cross-Application Functions

14.22.1.1 Electronic Documents

14.22.1.1.1 Usability Improvements for Document Compliance Framework

The following features deliver usability improvements:

- Access of different sources of errors directly from the result list in the [eDocument Cockpit](#) (EDOC_COCKPIT) from the [Logs/File](#) column.
- Navigation from a source document (accounting documents, billing documents, and settlement documents) to the corresponding eDocument using Object Relationship Service (ORS).

Technical Details

Type	New
Functional Localization	Localized for Australia, Austria, Belgium, Denmark, Germany, Ireland, Mexico, Netherlands, New Zealand, Norway, Portugal, Singapore, South Korea, Sweden, Taiwan, Thailand, Turkey, Greece, Poland, Kazakhstan
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO (<i>Document Compliance Framework</i>)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

Displaying the [Logs/File](#) column to open different sources of errors is only possible if the screen 0100 of function group EDOC_COCKPIT4 is used for the *eDocument Cockpit*.

i Note

If you have created your own development in the current screen of the *eDocument Cockpit* (program EDOC_COCKPIT/screen 0100), this isn't displayed when using the new screen.

Effects on Customizing

The following setting is required in Customizing to enable the [Logs/File](#) column in the *eDocument Cockpit* under ► [Cross-Application Components](#) ► [General Application Functions](#) ► [eDocument](#) ► [General Settings](#) ► [Maintain General Parameters for eDocument](#) ⌵:

Customizing view EDOGENCUSTV

Customizing Parameter Name	Customizing Parameter Value
NEW_SCREEN	X

14.23 Russia

14.23.1 Finance

14.23.1.1 MT940 Bank Statement Enhancement

With this feature, you can enhance the bank statement processing so that specific fields are also filled according to requirements.

Technical Details

Type	Changed
Functional Localization	Localized for Russia
Scope Item	Not applicable
Application Component	FI-LOC-FI-RU (<i>Financials Russia</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

When you import the MT940 bank statement, the payment order number is stored and two journal entries are created: a bank ledger document and a subledger document. Both documents contain the payment order number and the payment order date values.

Related Information

[Processing Bank Statements](#)

14.23.2 Insurance

14.23.2.1 Deprecation of Insurance Russia Localization

This is to inform you that the localization for Russia in the Insurance component is no longer available as of the SAP S/4HANA 2021 release.

Technical Details

Type	Deleted
Functional Localization	Localized for Russia
Scope Item	Not applicable
Application Component	FS-CM-IC (<i>Financial Services Localization</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

In Insurance, the Claims Management contained a localization for Russia that supports insurance companies in complying with legal and business requirements for third-party liability insurance for vehicles in Russia.

The following Russia-specific actions are deleted:

- Record and process claims that result from road traffic accidents
- Store the data that policyholders enter in the official traffic accident report when they file a claim
- Upload documents required by law in Russia to complement claim data
- Use policy snapshot to determine if a policy covers a given claim
- Initiate subrogation using a set of structured questions specific to Russia
- Calculate reserves of claimed but unsettled losses and unearned premium reserves
- Collect the required data so that you can fill out the statutory forms of accounting and supervisory reporting

Effects on Existing Data

The following functions are deleted:

- Master data:
 - Policy Product (8RUMOT insurance product)

- Named Driver Role (A collection of additional fields that you need to perform policy snapshot functions for third-party liability insurance for vehicles in Russia. The role is assigned to the 8RUMOT policy product.)
- Business transactions:
 - Claim Creation
 - Policy Snapshot Processing
 - Snapshot Processing
 - Unearned Premium Reserve Calculation
- Statutory reports:
 - Claim Report
 - Segment Three
 - Reserve Calculation of Claimed, but Unsettled Losses
 - Accounting and Supervisory Reports

All the reports on the [SAP Easy Access](#) screen under ► [Claims Management](#) ► [Country Specifics](#) ► [Russia](#) ► are removed.

Effects on Customizing

All the Customizing activities in Customizing for [SAP Insurance](#) under ► [Claims Management](#) ► [Country-Specific Functions for Russia](#) ► are removed.

14.24 Saudi Arabia

14.24.1 Finance

14.24.1.1 Collective Expenditure Orders and Payment Orders

Collective Expenditure Orders and Payment Orders is a localized solution provided to public sector companies for processing payment towards suppliers. The solution meets the legal requirements of the Ministry of Finance and supports both cash-based and accrual accounting.

Technical Details

Type	New
Functional Localization	Localized for Saudi Arabia

Scope Item	J60 (Accounts Payable)
Application Component	FI-LOC-FM-SA (<i>Funds Management Saudi Arabia</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

In Saudi Arabia, public sector companies need to follow the process mandated by the Ministry of Finance to process payments towards their suppliers. Payment processing involves two documents - Expenditure Orders and Payment Orders.

SAP already provides the Expenditure Orders and Payment Orders solution for payment processing by public sector companies. However, this solution supports only cash-based accounting.

The new Collective Expenditure Orders and Payment Orders solution supports both cash-based and accrual accounting and meets the requirements of the Ministry of Finance.

If you need to create an incident regarding this feature, use the component XX-CSC-SA-PS.

Effects on Customizing

A new set of customizing activities has been provided to enable you to activate the solution and complete the customizing required for collective expenditure orders. You can access the customizing activities and extensibility options under the following node: [Financial Accounting \(New\)](#) > [Accounts Receivable and Accounts Payable](#) > [Business Transactions](#) > [Country-Specific Settings](#) > [Saudi Arabia](#) > [Public Sector](#)

Related Information

[Collective Expenditure Orders and Payment Orders](#)

14.24.1.2 Data Management in Accounts Payable

A new archiving object `SAFM_CEO` has been added to archive collective expenditure orders for Saudi Arabia public sector.

Technical Details

Type	New
Functional Localization	Localized for Saudi Arabia
Scope Item	J60 (Accounts Payable)
Application Component	FI-LOC-FM-SA (<i>Funds Management Saudi Arabia</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

Name of Data Management Object	Object Type	Changes with this Release	Details	More Information	Area
SAFM_CEO	Archiving object	New archiving object added.	Enables you to archive collective expenditure orders.	Archiving Collective Expenditure Orders Using SAFM_CEO	Public Sector > Accounts Payable

Related Information

[Archiving Collective Expenditure Orders Using SAFM_CEO](#)
[Collective Expenditure Orders and Payment Orders](#)

14.24.1.3 Read Access Logging in Accounts Payable

The new `SAPS_IBAN` configuration logs read access to the *IBAN* field present on multiple transaction screens related to collective expenditure orders and payment orders. It logs read access to the field in both edit and display mode.

Technical Details

Type	New
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Functional Localization	Localized for Saudi Arabia
Scope Item	J60 (Accounts Payable)
Application Component	Not Applicable
Valid as Of	SAP S/4HANA 2021

Related Information

[Read Access Logging for Collective Expenditure Orders and Payment Orders](#)

14.25 Serbia

14.25.1 Finance

14.25.1.1 Tax Depreciation

You can run the [Tax Depreciation](#) report using the [Run Compliance Reports](#) app to report the tax depreciation of your assets to the tax authorities.

Technical Details

Type	New
Functional Localization	Localized for Serbia
Scope Item	1J2
Application Component	FI-LOC-FI-RS (Financials Serbia)
Valid as Of	SAP S/4HANA 2021

Effects on Existing Data

The [Tax Depreciation](#) report replaces the old report [Asset Tax Depreciation \(/CCEE/RSFIAA_TAX_DEPR_GROUP\)](#). Both reports will be available till a planned support date. After the planned support end date, the old report becomes obsolete.

Related Information

[Tax Depreciation](#)

[Configuration for Tax Depreciation](#)

14.26 Singapore

14.26.1 Cross-Application Functions

14.26.1.1 Electronic Documents

14.26.1.1.1 Determination of Company Code from Incoming Message Data

As of this release, you can extend your solution to derive the correct company code for your electronic documents if your system has different company codes using the same Peppol ID, for example, the same VAT Number.

Technical Details

Type	New
Functional Localization	Localized for Austria, Australia, Belgium, Denmark, Germany, Ireland, Netherlands, Norway, Poland, Sweden, Singapore, and New Zealand.
Scope Item	n/a
Application Component	Document Compliance Framework (CA-GTF-CSC-EDO)
Available As Of	SAP S/4HANA 2021

Additional Details

You implement the [eDocument Incoming Data Determination](#) (EDOC_INCOM_DATA) to determine the correct company code to be included in the electronic documents.

14.26.1.1.2 Creation and Sending of Electronic Settlement Documents

With this feature, you can create and send electronic settlement documents to your customers over the Peppol network. The following document categories are supported:

- Settlement Document
- Customer Settlement
- Expense Settlement

Technical Details

Type	New
Functional Localization	Localized for Singapore
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO-SG (Document Compliance Singapore)
Valid as Of	SAP S/4HANA 2021

Additional Details

Once you post a settlement document, the system creates and displays an electronic settlement document in the [Singapore eInvoice](#) process in the [eDocument Cockpit](#) or the [Document Compliance Cockpit](#). You can then send the electronic settlement document to the customer by choosing [Submit](#).

Effects on Customizing

You must carry out the following configuration activities to define the rule for generating and processing electronic settlement documents:

- [Activate Source Type Documents for Company Code](#)

- [Define Interface Type for eDocument](#)
- [Assign eDocument Type to Settlement Document Type](#)

In addition, you must configure the value mapping `INVOICE_TYPE_CODE_SM`. You map Peppol document types to SAP document types in Settlement Management.

You can also define your own logic for generating and processing electronic documents by implementing the Business Add-In [Enhancements for eDocument](#) (`EDOC_ADAPTOR`).

Related Information

[Configuring INVOICE_TYPE_CODE_SM](#)
[Activating Source Type Documents for Company Codes](#)
[Defining an Interface Type for Electronic Documents](#)
[Assigning eDocument Types to Settlement Document Types](#)
[Enhancements for Electronic Documents](#)

14.26.1.1.3 Usability Improvements for Document Compliance Framework

The following features deliver usability improvements:

- Access of different sources of errors directly from the result list in the [eDocument Cockpit](#) (`EDOC_COCKPIT`) from the [Logs/File](#) column.
- Navigation from a source document (accounting documents, billing documents, and settlement documents) to the corresponding eDocument using Object Relationship Service (ORS).

Technical Details

Type	New
Functional Localization	Localized for Australia, Austria, Belgium, Denmark, Germany, Ireland, Mexico, Netherlands, New Zealand, Norway, Portugal, Singapore, South Korea, Sweden, Taiwan, Thailand, Turkey, Greece, Poland, Kazakhstan
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO (Document Compliance Framework)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

Displaying the [Logs/File](#) column to open different sources of errors is only possible if the screen 0100 of function group EDOC_COCKPIT4 is used for the [eDocument Cockpit](#).

Note

If you have created your own development in the current screen of the [eDocument Cockpit](#) (program EDOC_COCKPIT/screen 0100), this isn't displayed when using the new screen.

Effects on Customizing

The following setting is required in Customizing to enable the [Logs/File](#) column in the [eDocument Cockpit](#) under ► [Cross-Application Components](#) ► [General Application Functions](#) ► [eDocument](#) ► [General Settings](#) ► [Maintain General Parameters for eDocument](#) ⌵:

Customizing view EDOGENCUSTV

Customizing Parameter Name	Customizing Parameter Value
NEW_SCREEN	X

14.26.2 Finance

14.26.2.1 Capital Allowance Report

This feature enables you to use the [Run Compliance Reports](#) app to generate the capital allowance report in CSV format according to the legal requirements in Singapore. You can use the data in the capital allowance report to fill the Corporate Income Tax Return (Form C) manually.

Technical Details

Type	New
Functional Localization	Localized for Singapore
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-FI-SG (Financials Singapore)
Valid as Of	SAP S/4HANA 2021

Related Information

[Capital Allowance Report](#)

14.26.2.2 Balancing Adjustment Report

This feature enables you to use the [Run Compliance Reports](#) app to generate the balancing adjustment report according to the legal requirements in Singapore. You can use the data in the balancing adjustment report to fill the Corporate Income Tax Return (Form C) manually.

Technical Details

Type	New
Functional Localization	Localized for Singapore
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-FI-SG (Financials Singapore)
Valid as Of	SAP S/4HANA 2021

Related Information

[Balancing Adjustment Report](#)

14.27 South Africa

14.27.1 Finance

14.27.1.1 Cash Flow Statement

You can use the [Run Compliance Reports](#) app to generate the cash flow statement that fulfill the requirements of the government in South Africa. You can use the indirect method and submit it to the tax authorities according to your business requirements.

Technical Details

Type	New
Functional Localization	Localized for South Africa
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-CF-ZA (<i>Cash Flow South Africa</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Cash Flow Statement](#)

14.28 South Korea

14.28.1 Cross-Application Functions

14.28.1.1 Electronic Documents

14.28.1.1.1 Usability Improvements for Document Compliance Framework

The following features deliver usability improvements:

- Access of different sources of errors directly from the result list in the *eDocument Cockpit* (EDOC_COCKPIT) from the *Logs/File* column.
- Navigation from a source document (accounting documents, billing documents, and settlement documents) to the corresponding eDocument using Object Relationship Service (ORS).

Technical Details

Type	New
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Functional Localization	Localized for Australia, Austria, Belgium, Denmark, Germany, Ireland, Mexico, Netherlands, New Zealand, Norway, Portugal, Singapore, South Korea, Sweden, Taiwan, Thailand, Turkey, Greece, Poland, Kazakhstan
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO (Document Compliance Framework)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

Displaying the [Logs/File](#) column to open different sources of errors is only possible if the screen 0100 of function group EDOC_COCKPIT4 is used for the [eDocument Cockpit](#).

Note

If you have created your own development in the current screen of the [eDocument Cockpit](#) (program EDOC_COCKPIT/screen 0100), this isn't displayed when using the new screen.

Effects on Customizing

The following setting is required in Customizing to enable the [Logs/File](#) column in the [eDocument Cockpit](#) under ► [Cross-Application Components](#) ► [General Application Functions](#) ► [eDocument](#) ► [General Settings](#) ► [Maintain General Parameters for eDocument](#) ⌵:

Customizing view EDOGENCUSTV

Customizing Parameter Name	Customizing Parameter Value
NEW_SCREEN	X

14.28.2 Finance

14.28.2.1 VAT Declaration

You can use the [Run Compliance Reports](#) app to generate the VAT Declaration report that fulfill the requirements of the government in South Korea. Apart from the existing features, the report also generates the file [Zero Tax Rate Sales Statement](#) in TXT and PDF formats now.

Technical Details

Type	Changed
Functional Localization	Localized for South Korea
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-FI-KR (Financials South Korea)
Valid as Of	SAP S/4HANA 2021

Related Information

[VAT Declaration](#)

14.28.2.2 Cash Flow Statements

In this app, for direct method, previously you have to set the Cash Scope to 'Full Scope' in the [Define Basic Settings](#) Customizing activity as a prerequisite, and define the liquidity item hierarchies in the [Manage Global Hierarchies - For Liquidity Items](#) app. For indirect method, previously you have to define the financial statement version in the [Manage Global Hierarchies](#) app. Now for both methods, you switch to define cash flow statement versions in the [Define Cash Flow Statement Versions](#) Customizing activity. In addition, you need to make the settings in the [Define Versions for Offsetting Account Determination](#) and [Activate Online Offsetting Account Determination](#) Customizing activities.

Technical Details

Type	Changed
Functional Localization	Localized for South Korea
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-FI-KR (Financials South Korea)
Valid as Of	SAP S/4HANA 2021

Related Information

[Cash Flow Statements](#)

[Configuration for Cash Flow Statements](#)

14.28.3 Logistics

14.28.3.1 Business Place enablement in Settlement Management

Business Place is an entity for regional tax reporting.

Technical Details

Type	New
Functional Localization	Localized for South Korea
Scope Item	1B6
Application Component	CA-GTF-CSC (<i>Country/Region-Specific Application Interface Objects</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Settlement Management](#)

14.29 Spain

14.29.1 Cross-Application Functions

14.29.1.1 Electronic Documents

14.29.1.1.1 SII Adjustments for One-Stop Shop (OSS) Regime 17

This feature supports the One-Stop Shop (OSS) scenarios in Electronic Tax Register Books with SII. A new regime, [17 - OSS One-Stop Shop \(Ventanilla Única\)](#), has been added to the list of existing regimes.

Technical Details

Type	New
Functional Localization	Localized for Spain
Scope Item	3SS (General Indirect Tax in the Canary Islands), J58 (Accounting and Financial Close)
Application Component	CA-GTF-CSC-EDO-ES (Document Compliance Spain)
Available As Of	SAP S/4HANA 2021

Additional Details

Regime [17 - OSS One-Stop Shop \(Ventanilla Única\)](#) is only relevant for outgoing invoices.

Effects on Customizing

Regime 17 is available in the following Customizing activities, under ► [Cross-Application Components](#) ► [General Application Functions](#) ► [eDocument](#) ► [Country/Region-Specific Settings](#) ► [Spain](#) ► [Settings for Electronic VAT Register Books With SII](#) ►:

- Assign SII Attributes to Accounting Document Types (view `FIESSII_DOCTYPEV`)
- Assign SII Attributes to Tax Codes (view `FIESSII_TAXCODEV`)

Related Information

[Customizing for Electronic VAT Register Books with SII](#)

14.29.1.1.2 Troubleshooting of Rejected SII Documents and SII Reversal Documents Using the Error Code and Error Description Columns

With this feature, you can troubleshoot rejected SII documents and SII reversal documents by checking the error codes and error descriptions returned by the tax authorities directly on the process screens. Two new columns *Error Code* and *Error Description* are now available in both the *Spain SII Documents* and *Spain SII Reversal Documents* processes. The application log and interface log are still available.

Technical Details

Type	New
Functional Localization	Localized for Spain
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO-ES (<i>Document Compliance Spain</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

After fixing the error with a rejected document, you can include it in a new list. If the tax authorities accept the document, then the system empties the *Error Code* and *Error Description* fields for it.

Related Information

[General Process Description of Electronic Tax Register Books with SII](#)

14.29.2 Finance

14.29.2.1 Tax Fulfillment Date

With this feature, the tax fulfillment date is now stored in the new *Tax Fulfillment Date* (FULFILLDATE) field in journal entries. Previously, this date was stored in the *Invoice Receipt Date* (REINDAT) field. When you transfer reporting data to the tax authorities in the Immediate Supply of Information System (SII), the system derives the tax fulfillment date from the new field.

Technical Details

Type	New
Functional Localization	Localized for Spain
Scope Item	1J2 (<i>Advance Compliance Reporting</i>) J58 (<i>Accounting and Financial Close</i>) BD9 (<i>Sell from Stock</i>) J45 (<i>Procure to Pay</i>)
Application Component	FI-LOC-FI-ES (<i>Financials Spain</i>) CA-GTF-CSC-ES (<i>Logistics Spain</i>)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

To ensure that the correct date is reported to SII, especially for corrections and credit memos, you can use the *Update Tax Fulfillment Dates* (RPFIES_U_REIND_FULD) report to transfer the tax fulfillment date from the REINDAT field to the FULFILLDATE field.

Related Information

[Tax Reporting Date and Tax Fulfillment Date](#)

14.29.2.2 EC Sales List

The [EC Sales List](#) report that you generate using the [Run Compliance Reports](#) app is now available in the enhanced mode with new activities.

Technical Details

Type	Changed
Functional Localization	Localized for Spain
Scope Item	1J2
Application Component	FI-LOC-FI-ES (Financials Spain)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can now use the [Manage Tax Items](#) and [Rebates Preprocessing for Spain](#) activities before generating the [Spanish EC Sales and Purchase List](#) activity.

Related Information

[EC Sales List](#)
[Configuration for EC Sales List](#)

14.29.2.3 Withholding Tax - Modelo 123 Report

SAP's [Run Compliance Report](#) app provides you the ease of generating Modelo 123 withholding tax report complying to Spanish legal requirements. The Form 123 is an official withholding tax return, submitted via electronic file, containing the amounts withheld to incomes of movable capital assets belonging to individuals subject to Personal Tax Law (IRPF), other Incomes belonging to legal entities, such as incomes received by a parent company in Spain from the other members companies in the EU, dividends or participation in benefits, interests, and incomes belonging to the non-residents with permanent establishment. This report must be submitted to the tax authority on a monthly or quarterly basis within the first 15 days of the month following to the reporting period.

Technical Details

Type	New
Functional Localization	Localized for Spain
Scope Item	1J2
Application Component	FI-AP-AP-Q1 (<i>Financials Spain</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Withholding Tax - Modelo 123 Report](#)

14.29.2.4 Withholding Tax - Modelo 193 Report

SAP's [Run Compliance Report](#) app provides you the ease of generating Modelo 193 withholding tax report complying to Spanish legal requirements. The Form 193 is an official withholding tax return, submitted via electronic file, containing the amounts withheld to incomes of movable capital assets belonging to individuals subject to Personal Tax Law (IRPF), other Incomes belonging to legal entities, such as incomes received by a parent company in Spain from the other members companies in the EU, dividends or participation in benefits, interests, and incomes belonging to the non-residents with permanent establishment. This report must be submitted to the tax authority on a yearly basis between 1st and 31st of January of the year succeeding the reporting year.

Technical Details

Type	New
Functional Localization	Localized for Spain
Scope Item	1J2
Application Component	FI-AP-AP-Q1 (<i>Financials Spain</i>)
Valid as Of	SAP S/4HANA 2021

Related Information

[Withholding Tax - Modelo 193 Report](#)

14.30 Sweden

14.30.1 Cross-Application Functions

14.30.1.1 Electronic Documents

14.30.1.1.1 Usability Improvements for Document Compliance Framework

The following features deliver usability improvements:

- Access of different sources of errors directly from the result list in the *eDocument Cockpit* (EDOC_COCKPIT) from the *Logs/File* column.
- Navigation from a source document (accounting documents, billing documents, and settlement documents) to the corresponding eDocument using Object Relationship Service (ORS).

Technical Details

Type	New
Functional Localization	Localized for Australia, Austria, Belgium, Denmark, Germany, Ireland, Mexico, Netherlands, New Zealand, Norway, Portugal, Singapore, South Korea, Sweden, Taiwan, Thailand, Turkey, Greece, Poland, Kazakhstan
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO (<i>Document Compliance Framework</i>)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

Displaying the *Logs/File* column to open different sources of errors is only possible if the screen 0100 of function group EDOC_COCKPIT4 is used for the *eDocument Cockpit*.

Note

If you have created your own development in the current screen of the *eDocument Cockpit* (program EDOC_COCKPIT/screen 0100), this isn't displayed when using the new screen.

Effects on Customizing

The following setting is required in Customizing to enable the *Logs/File* column in the *eDocument Cockpit* under ► *Cross-Application Components* ► *General Application Functions* ► *eDocument* ► *General Settings* ► *Maintain General Parameters for eDocument* ⌵:

Customizing view EDOGENCUSTV

Customizing Parameter Name	Customizing Parameter Value
NEW_SCREEN	X

14.30.1.1.2 Determination of Company Code from Incoming Message Data

As of this release, you can extend your solution to derive the correct company code for your electronic documents if your system has different company codes using the same Peppol ID, for example, the same VAT Number.

Technical Details

Type	New
Functional Localization	Localized for Austria, Australia, Belgium, Denmark, Germany, Ireland, Netherlands, Norway, Poland, Sweden, Singapore, and New Zealand.
Scope Item	n/a
Application Component	Document Compliance Framework (CA-GTF-CSC-EDO)
Available As Of	SAP S/4HANA 2021

Additional Details

You implement the *eDocument Incoming Data Determination* (EDOC_INCOM_DATA) to determine the correct company code to be included in the electronic documents.

14.30.1.1.3 Settlement Management Integration for eDocument

This feature enables you to create electronic documents in the *eDocument Cockpit* (EDOC_COCKPIT) transaction for the source document type Settlement Management Document (STLMT_INV) for the following Settlement Management Document categories:

- Settlement Document
- Customer Settlement
- Expense Settlement





Technical Details

Type	New
Functional Localization	Localized for Sweden
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO-SE (<i>Document Compliance Sweden</i>)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

The new eDocument source type is available in the *eDocument Cockpit* (EDOC_COCKPIT), which allows you to create electronic documents for Settlement Management documents.

Effects on Customizing

The following Customizing activity is required to enable the new function: in Customizing for *Cross-Application Components*, under  *General Application Functions*  *eDocument*  *Assign eDocument Type to Settlement Document Type (EDOTMFKV)* .

Related Information

[Customizing](#)

14.30.1.1.4 Specify Company Code as Registered Entity

As of this release, you can define in the additional parameters settings of a company code that it is a registered as a business in Sweden. As a result, the text **Godkänd för F-skatt** (in English, Approved for F tax) is displayed in the electronic documents you send to your business partners.

Technical Details

Type	New
Functional Localization	Localized for Sweden
Scope Item	n/a
Application Component	CA-GTF-CSC-EDO-SE (<i>Document Compliance for Sweden</i>)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

This feature replaces the *Sweden Approved For F Tax ID* (SE_IS_APPROVED_F_TAX) fix value, which has been set to obsolete with SAP Note [3037487](#).

If you've used this fixed value in the past, before using the new feature, ensure that you've deleted the entries maintained under this fix value in the /EDUBL namespace. To do so, in Customizing go to ► [Cross-Application Components](#) ► [General Application Functions](#) ► [SAP Application Interface Framework](#) ► [Interface Development](#) ► ► [Define Fix Values](#) and delete the old setting.

Related Information

[Specifying a Company Code as Registered Entity](#)

14.30.2 Finance

14.30.2.1 Contract Accounting Data in Advanced Compliance Reports

With this feature, data from [Contract Accounts Receivable and Payable](#) (FI-CA) can be included in the EC sales list. In addition, the VAT return can process journal entries that were created based on FI-CA documents.

Technical Details

Type	New
Functional Localization	Localized for Sweden
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-CA (Contract Accounting)
Available As Of	SAP S/4HANA 2021

Additional Details

In the analytical view for generated runs, you can check the details of the FI-CA documents in the following columns:

- EC sales list: [Reconciliation Key](#) and [CA Document Number](#)
- VAT return: [Reconciliation Key](#) and [Reference Document Type](#)

Related Information

[EC Sales List](#)
[VAT Return](#)
[Analyze Data](#)

14.30.2.2 New Payment Medium Formats and Bank Statements

You can use payment medium formats and bank statement formats during your payment processing in Contract Accounting.

Technical Details

Type	New
Functional Localization	Localized for Sweden
Scope Item	Not applicable
Application Component	FI-LOC-CA-PAY (<i>FI-CA Payments Localization</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following payment medium formats are available:

Payment Medium Formats	Description
SE_A_AUTOGIRO	This payment medium format is used for direct debits for collecting krona-denominated payments.
SE_CGI_XML_CT	The payment format is used for domestic and foreign credit transfers (outgoing payments). The format is based on the ISO 20022 payment initiation message (pain.001.001.03). The payment format corresponds to the specifications made by Common Global Implementation (CGI).

Note

These payment medium formats replace the AG, BG, PG, UG payment medium formats as of this release.

The following bank statements are available:

- CAMT.053, version 2 (CAMT.053.001.02)
- CAMT.054, version 2 (CAMT.054.001.02)
- MT940

Related Information

[Payment Medium Formats](#)

14.31 Taiwan

14.31.1 Cross-Application Functions

14.31.1.1 Electronic Documents

14.31.1.1.1 Usability Improvements for Document Compliance Framework

The following features deliver usability improvements:

- Access of different sources of errors directly from the result list in the *eDocument Cockpit* (EDOC_COCKPIT) from the *Logs/File* column.
- Navigation from a source document (accounting documents, billing documents, and settlement documents) to the corresponding eDocument using Object Relationship Service (ORS).

Technical Details

Type	New
Functional Localization	Localized for Australia, Austria, Belgium, Denmark, Germany, Ireland, Mexico, Netherlands, New Zealand, Norway, Portugal, Singapore, South Korea, Sweden, Taiwan, Thailand, Turkey, Greece, Poland, Kazakhstan
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO (<i>Document Compliance Framework</i>)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

Displaying the *Logs/File* column to open different sources of errors is only possible if the screen 0100 of function group EDOC_COCKPIT4 is used for the *eDocument Cockpit*.

i Note

If you have created your own development in the current screen of the *eDocument Cockpit* (program EDOC_COCKPIT/screen 0100), this isn't displayed when using the new screen.

Effects on Customizing

The following setting is required in Customizing to enable the [Logs/File](#) column in the [eDocument Cockpit](#) under ► [Cross-Application Components](#) ► [General Application Functions](#) ► [eDocument](#) ► [General Settings](#) ► [Maintain General Parameters for eDocument](#) ⚙️:

Customizing view EDOGENCUSTV

Customizing Parameter Name	Customizing Parameter Value
NEW_SCREEN	X

14.31.2 Supply Chain

14.31.2.1 Inventory

14.31.2.1.1 Stock Overview - Mainland China, Taiwan

A new app called [Stock Overview - Mainland China, Taiwan](#) is available. You can use this app to get an overview of your material stocks.

Technical Details

Type	New
Functional Localization	Localized for Mainland China, Taiwan
Scope Item	Not applicable
Application Component	CA-GTF-CSC-CN (S4HANA Localization for China)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can use this app to do the following:

- View material stocks by company code and plant
- View the value, quantity, unit price of a material on the first day of the selected period
- View the value, quantity, unit price of a material on the last day of the selected period
- View the total value and quantity of a material received during the selected period

- View the total value and quantity of a material issued during the selected period
- Drill down to the details of a material stock, such as the material documents and accounting documents posted during the selected period

Effects on System Administration

To enable users to access this app, you should assign proper user accounts to them. The following objects are relevant to the authorization management for this app:

Object Type	Object	Description
Launchpad Catalog	SAP_MM_BC_IM_ANALYTICS_CN for Mainland China	Both launchpad catalogs contain the app.
	SAP_MM_BC_IM_ANALYTICS_TW_PC for Taiwan	
Launchpad Group	<i>Inventory Management for Mainland China</i> (SAP_MM_BCG_IM_ANALYTICS_CN)	Both launchpad groups contain the app.
	<i>Inventory Management for Taiwan</i> (SAP_MM_BCG_IM_ANALYTICS_TW)	
Business Role	SAP_BR_INVENTORY_ACCOUNTANT_CN for Mainland China	Both business roles already contain the above launchpad catalog and launchpad group.
	SAP_BR_INVENTORY_ACCOUNTANT_TW for Taiwan	

Related Information

[Stock Overview - Mainland China, Taiwan](#)

14.32 Thailand

14.32.1 Cross-Application Functions

14.32.1.1 Electronic Documents

14.32.1.1.1 Usability Improvements for Document Compliance Framework

The following features deliver usability improvements:

- Access of different sources of errors directly from the result list in the *eDocument Cockpit* (EDOC_COCKPIT) from the *Logs/File* column.
- Navigation from a source document (accounting documents, billing documents, and settlement documents) to the corresponding eDocument using Object Relationship Service (ORS).

Technical Details

Type	New
Functional Localization	Localized for Australia, Austria, Belgium, Denmark, Germany, Ireland, Mexico, Netherlands, New Zealand, Norway, Portugal, Singapore, South Korea, Sweden, Taiwan, Thailand, Turkey, Greece, Poland, Kazakhstan
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO (<i>Document Compliance Framework</i>)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

Displaying the *Logs/File* column to open different sources of errors is only possible if the screen 0100 of function group EDOC_COCKPIT4 is used for the *eDocument Cockpit*.

i Note

If you have created your own development in the current screen of the *eDocument Cockpit* (program EDOC_COCKPIT/screen 0100), this isn't displayed when using the new screen.

Effects on Customizing

The following setting is required in Customizing to enable the [Logs/File](#) column in the [eDocument Cockpit](#) under ► [Cross-Application Components](#) ► [General Application Functions](#) ► [eDocument](#) ► [General Settings](#) ► [Maintain General Parameters for eDocument](#) ⌵:

Customizing view EDOGENCUSTV

Customizing Parameter Name	Customizing Parameter Value
NEW_SCREEN	X

14.33 Turkey

14.33.1 Cross-Application Functions

14.33.1.1 Electronic Documents

14.33.1.1.1 Display of Business Partner Names in the eDocument Cockpit

For better usability, names of business partners (for example, names of customers to whom you issue invoices) have been made available on the process screens in the [eDocument Cockpit](#).

Technical Details

Type	New
Functional Localization	Localized for Turkey
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO-TR (Document Compliance Turkey)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following fields for business partner names are now available in the [eDocument Cockpit](#):

Processes	New Fields
Turkey Basic eInvoice	Business Partner
Turkey Commercial eInvoice	In a customer invoice scenario, the business partner is a customer. In a returns invoice scenario, the business partner is a supplier.
Turkey Consumer eInvoice	
Turkey Incoming Basic eInvoice	Supplier Name
Turkey Incoming Commercial eInvoice	
Turkey Export Registration	Ship-to Party Name
Turkey Delivery Note	Ship-to Party Name
Turkey Delivery Note Unregistered User	
Turkey Incoming Delivery Note	Supplier Name

Related Information

[Electronic Invoices for Turkey](#)
[Electronic Delivery Notes for Turkey](#)

14.33.1.1.2 Electronic Delivery Notes for Goods Movements

With this feature, you can create electronic delivery notes in XML format based on material documents for goods movements.

Technical Details

Type	New
Functional Localization	Localized for Turkey
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO-TR (Document Compliance Turkey)
Valid as Of	SAP S/4HANA 2021

Additional Details

Electronic delivery notes for goods movements are supported in the [Turkey Delivery Note](#) process only. The system can create an electronic delivery note in the following **intracompany stock transfer** scenario:

1. You post a stock transfer from one plant to another, or from one storage location to another. As a result, a material document is posted.
2. The system generates and displays an electronic delivery note in the [Turkey Delivery Note](#) process.

Effects on Customizing

You must carry out the following configuration activities to define the rule for generating and processing electronic delivery notes for goods movements:

- [Activate Source Type Documents for Company Code](#)
- [Define Interface Type for eDocument](#)
- [Activate Additional eDocument Instance Creation](#)
- [Assign eDocument Type to Goods Movement Type](#)

Related Information

[Customizing for Delivery Notes - Turkey](#)
[Processing Outgoing Delivery Notes for Registered Users](#)

14.33.1.1.3 Usability Improvements for Document Compliance Framework

The following features deliver usability improvements:

- Access of different sources of errors directly from the result list in the [eDocument Cockpit](#) (EDOC_COCKPIT) from the [Logs/File](#) column.
- Navigation from a source document (accounting documents, billing documents, and settlement documents) to the corresponding eDocument using Object Relationship Service (ORS).

Technical Details

Type	New
------	-----

Functional Localization	Localized for Australia, Austria, Belgium, Denmark, Germany, Ireland, Mexico, Netherlands, New Zealand, Norway, Portugal, Singapore, South Korea, Sweden, Taiwan, Thailand, Turkey, Greece, Poland, Kazakhstan
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO (Document Compliance Framework)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

Displaying the [Logs/File](#) column to open different sources of errors is only possible if the screen 0100 of function group EDOC_COCKPIT4 is used for the [eDocument Cockpit](#).

Note

If you have created your own development in the current screen of the [eDocument Cockpit](#) (program EDOC_COCKPIT/screen 0100), this isn't displayed when using the new screen.

Effects on Customizing

The following setting is required in Customizing to enable the [Logs/File](#) column in the [eDocument Cockpit](#) under ► [Cross-Application Components](#) ► [General Application Functions](#) ► [eDocument](#) ► [General Settings](#) ► [Maintain General Parameters for eDocument](#) ⌵:

Customizing view EDOGENCUSTV

Customizing Parameter Name	Customizing Parameter Value
NEW_SCREEN	X

14.34 United Kingdom

14.34.1 Finance

14.34.1.1 New Payment Medium Format Available

The new GB_BACS payment medium format is available and replaces the GB_BACSBX and GB_BACWAY formats.

Technical Details

Type	New
Functional Localization	Localized for the United Kingdom
Scope Item	Not applicable
Application Component	FI-LOC-CA-PAY (<i>FI-CA Payments Localization</i>)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

To use the GB_BACS payment medium format, make or update Customizing settings to be able to fill out certain fields in the format. To do so, in Customizing for *Contract Accounts Receivable and Payable*, make settings in the following activities:

- [Define Bank User Numbers for Payment Medium](#)
- [Define Variants for Payment Medium Program](#)
- [Define Bank Transaction Codes](#)
- [Enter Name of Building Society](#)

Related Information

[Payment Medium Formats](#)

14.34.1.2 Contract Accounting Data in Advanced Compliance Reports

With this feature, data from *Contract Accounts Receivable and Payable* (FI-CA) can be included in the EC sales list. In addition, the VAT return can process journal entries that were created based on FI-CA documents.

Technical Details

Type	New
------	-----

Functional Localization	Localized for the United Kingdom
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-CA (Contract Accounting)
Available As Of	SAP S/4HANA 2021

Additional Details

In the analytical view for generated runs, you can check the details of the FI-CA documents in the following columns:

- EC sales list: [Reconciliation Key](#) and [CA Document Number](#)
- VAT return: [Reconciliation Key](#) and [Reference Document Type](#)

Related Information

[Great Britain - Northern Ireland EC Sales List](#)
[VAT Return](#)
[Analyze Data](#)

14.35 United States

14.35.1 Finance

14.35.1.1 OData API: [Lockbox - Post](#)


Use the [Lockbox - Post](#) API to create and read lockbox batches, lockbox batch items and clearing information synchronously.

Technical Details

Type	New
Functional Localization	United States

Scope Item	1JT (Lockbox)
Application Component	FI-FIO-AR (<i>Fiori UI for Accounts Receivable</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com/> )

Related Information

[Lockbox - Post](#)

14.36 Functions Relevant for Several Countries/Regions

14.36.1 Document and Reporting Compliance Dashboard

This app enables you to get an overview of the overall status, due dates, and pending activities of periodic reports, and to display the status of electronic documents. You can also further navigate to the corresponding tasks and documents to process the details.

The app contains the *Documents - Communication Progress*, *Reporting Progress*, and *Reports - Immediate Action Required* cards, which display information based on the role assigned to you and the applications that are active in your system.

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	Not Applicable
Application Component	FI-LOC (<i>Localization</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The [Documents - Communication Progress](#) card is available only in countries/regions where document compliance is supported.

The [Reporting Progress](#) and [Reports - Immediate Action Required](#) cards are available only in countries/regions where advanced compliance reporting is supported. For more details, see [Supported Compliance Tasks](#).

Related Information

[What Is SAP Document and Reporting Compliance?](#)

14.36.2 Document Compliance Cockpit

A new app called [Document Compliance Cockpit - Peppol](#) is now available. You can use this app to create and send electronic invoices to your customers using Peppol. You can also receive and view electronic invoices from your suppliers.

Technical Details

Type	New
Functional Localization	Localized for Australia, Austria, Belgium, Denmark, Germany, Ireland, Luxembourg, Netherlands, New Zealand, Norway, Poland, Singapore, Sweden
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO-DCC (Document Compliance Cockpit)
Valid as Of	SAP S/4HANA 2021

Additional Details

Once you post an invoice or credit note, for example, using the [Create Billing Documents](#) (VF01) transaction, the system creates and displays an electronic document for the invoice or credit note in the [Document Compliance Cockpit - Peppol](#) app. You then submit the electronic document to the receiver access point by choosing [Submit](#).

You can also view electronic invoices or credit notes from your suppliers in XML or HTML format.

i Note

The [Document Compliance Cockpit - Peppol](#) and [eDocument Cockpit](#) are very similar in functionality. To understand the differences between them, see the **Frequently Asked Questions** document linked at the end of this document.

Effects on System Administration

To enable users to access this app, you should assign proper user accounts to them. The following objects are relevant to the authorization management for this app:

Object Type	Object	Description
Launchpad Catalog	Globalization - Electronic Documents (SAP_SD_BC_GLO_EDOC)	This launchpad catalog contains the app.
Launchpad Group	Process Electronic Documents (SAP_SD_BCG_GLO_EDOC)	This launchpad group contains the app.
Business Role	Billing Clerk (SAP_BR_BILLING_CLERK)	This business role already contains the above launchpad catalog and launchpad group.

Effects on Customizing

If you have already implemented the [eDocument Cockpit](#), you can start using the [Document Compliance Cockpit - Peppol](#) right away. There's no additional configuration activities that you need to perform.

If you are new to both the cockpits, see the product assistance for your country/region version.

Related Information

[Document Compliance Cockpit - Peppol](#)
[Supported Countries/Regions and Business Tasks](#)
[Frequently Asked Questions](#)

14.36.3 Calculation of Indirect Taxes

14.36.3.1 Activate Business Features to Use with External Tax Calculation Engines

With this feature you can choose the business features that you want to use with external tax calculation engines.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	43D
Application Component	FI-LOC-TXS (Localization Tax Service)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

► [SAP Customizing Implementation Guide](#) ► [Integration with Other SAP Components](#) ► [Integration with External Tax Calculation Engines](#) ► [Activate Business Features to Use With External Tax Calculation Engines](#) ►

14.36.3.2 Activate the Integration of External Tax Calculation Engines for Procedures

With this release, a new configuration object for making settings related to the calculation of indirect taxes has been added to your configuration environment . In addition, changes have been made to some configuration objects that were previously delivered.

Technical Details

Type	New
------	-----

Functional Localization	Not applicable
Scope Item	43D
Application Component	FI-LOC-TXS (<i>Integration with External Tax Calculation Engines</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The *Activate the Integration of External Tax Calculation Engines for Procedures* configuration object replaces the *Activate Tax Services for Pricing Procedures* configuration object and does not have any effects on existing configurations.

The underlying database table of the new configuration is the same as the one of the predecessor configuration, so you do not have to migrate any data or previously existing configurations.

Effects on Customizing

► *SAP Customizing Implementation Guide* ► *Integration with Other SAP Components* ► *Integration with External Tax Calculation Engines* ► *Activate the Integration of External Tax Calculation Engines for Procedures* ►.

Related Information

[Deprecation of Activate the Tax Service for Pricing Procedures Configuration Object \[page 1248\]](#)

14.36.3.3 Deprecation of Activate the Tax Service for Pricing Procedures Configuration Object

The *Activate the Tax Service for Pricing Procedures* configuration object was deprecated and replaced by the *Activate the Integration of External Tax Calculation Engines for Procedures new configuration* object.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	43D
Application Component	FI-LOC-TXS (Integration with External Tax Calculation Engines)
Valid as Of	SAP S/4HANA 2021

Additional Details

Type of change	New/changed configuration object	What you can do	Leading scope items
Deprecated Configuration Object	Activate the Tax Service for Pricing Procedures	This configuration object was deprecated and replaced by the Activate the Integration of External Tax Calculation Engines for Procedures new configuration object.	43D (Integration with External Tax Calculation Engines)

14.36.3.4 Display Trace of Tax Calculation Operation

With this feature you can display entries that the system generates during the calculation of indirect taxes on business transactions using an external tax calculation engine. You can also access request and response payloads from successful business transactions.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	43D

Application Component	FI-LOC-TXS (Integration with External Tax Calculation Engines)
Valid as Of	SAP S/4HANA 2021

Additional Details

For more information on this feature, see the documentation available in the [Display Trace of Tax Calculation Operation](#) app in the Fiori Launchpad.

15 Industries

15.1 Consumer

15.1.1 Agriculture

15.1.1.1 SAP Agricultural Contract Management

15.1.1.1.1 Fiori App for Cost Review Cockpit

The new Fiori App for Cost Review Cockpit enables to review the cost associated with SAP Agricultural Contract Management (ACM) settlement or purchase documents based on the prices captured in trading contracts and subsequently evaluated during Settlement.

This app is intended for users in the role of ACM settlement clerks. On the Fiori Launchpad (FLP) tile, it displays the number of settlement and purchase documents in different statuses like Created and Invoiced. You can select the settlement group with released status and either approve or reject it.

For ease of searching, adaptable filters (settlement group, year, contract, commodity, counterparty, status, plant and so on) are provided.

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	Not Applicable
Application Component	LO-AGR-STL (<i>Agency Business Document, Settlement, Revenue Recognition</i>)
Valid as Of	SAP S/4HANA 2021 FPS00

Effects on System Administration

To be able to access this app, you need to assign the following roles to your user:

- Business Role: SAP_BR_SETTLEMENT_CLERK_ACM
- Backend Sample Role: SAP_ACM_STTLWCS1_APP

For more information about assigning roles, see SAP S/4HANA UI Technology Guide.

Effects on Customizing

Related Information

[Cost Review Cockpit](#)

15.1.1.1.2 Enhancements in Mark-to-Market Reporting

This feature enables you to mark your SAP Agricultural Contract Management documents to market. This means that you can view the difference between the contract price on a particular day and the end-of-day market price for the same commodity on the same day. In terms of the market, mark-to-market (MtM) reporting indicates the relative value – as opposed to the book value – of the contract. In doing so, it increases the efficiency and accuracy of contract processing. Once the relevant business function for mark-to-market is activated, you can define end-of-day (EoD) snapshots for stock and logistics documents, and find the mark-to-market value of these snapshots.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-AGR-CM (Commodity Management)
Valid as Of	SAP S/4HANA 2021 FPS00

Effects on Existing Data

The underlying queries have been enhanced for better performance.

Related Information

[Mark-to-Market Reporting](#)
[Mark-to-Market Cubes and Queries](#)

15.1.1.1.3 Enhancements in Profit and Loss Reporting

This feature enables you to maintain profit and loss (P & L) for traded commodities. P&L (sometimes known as 'PnL') is the term used by traders to refer to the daily change to the value of their trading positions. P&L reporting is a financial instrument used to determine a company's profit or loss based on market factors, while also explaining the factors that contribute to the profit and loss. You can monitor the market valuation of commodities in a certain evaluation period, and determine the factors to which the fluctuations in the market evaluation can be attributed.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-AGR-CM (Commodity Management)
Valid as Of	SAP S/4HANA 2021 FPS00

Effects on Existing Data

The underlying queries have been enhanced for better performance.

Related Information

[Profit and Loss Reporting](#)

15.1.2 Consumer Products

15.1.2.1 Last Mile Distribution

15.1.2.1.1 Manage Visit Lists

This feature enables you to manage visit lists that were imported to Last Mile Distribution. These visit lists can then be used as the basis for planning and executing van sales routes and to propose delivery dates for sales orders during sales order entry.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LE-LMD (<i>Last Mile Distribution</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

Visit lists can be generated by using a visit and activity management solution, such as the SAP Sales Cloud, dynamic visit planning add-on or a third-party solution and imported to Last Mile Distribution. A visit list contains information from a visit planning system about the stops on van sales routes or the customers to be visited on delivery routes on a specific execution date and by a specific driver.

The *Visit List Planning* report (transaction LMD_VL_PLANNING) can be used to perform the following planning activities for a set of visit lists:

- Generate product proposals for customer visits in a visit list
- Generate load requests for drivers
- Generate delivery documents for load requests
- Generate freight orders each with a reference to a visit list and assign load requests to these freight orders

Effects on Existing Data

You can display visit lists that have been imported into Last Mile Distribution by using the [Display Visit Lists](#) app.

Effects on Data Transfer

Visit lists are imported into an SAP S/4HANA system by using the [Visit List](#) OData service. For more information about this service, see [OData API: Visit List \[page 1256\]](#).

Effects on System Administration

The [Visit List Planning](#) report can be run by a technical user via a background job or a transportation planner can run this report directly. For information about the required authorizations, see [Set Up Authorizations for Visit List Planning](#).

Effects on Customizing

To use the visit list management capabilities provided by Last Mile Distribution, you must make the following settings in Customizing for [Logistics Execution](#) under ► [Last Mile Distribution](#) ► [Visit List Management](#) ⌵:

- Define number ranges for visit lists in the Customizing activity [Define Number Ranges for Visit Lists](#). If you want to assign unique numbers to visits and visit items in Last Mile Distribution, you can optionally define number ranges for these objects in the Customizing activities [Define Number Ranges for Visits](#) and [Define Number Ranges for Visit Items](#).
- Define visit list types in the Customizing activity [Define Visit List Types](#).

To use the [Visit List Planning](#) report, you must make the following settings:

- Define a visit list planning profile in Customizing for [Logistics Execution](#) under ► [Last Mile Distribution](#) ► [Visit List Management](#) ► [Define Visit List Planning Profiles](#) ⌵.
The visit list planning profile defines the planning steps to be executed for visit lists and all configuration settings required by the system.
- Activate visit list planning for the required visit list types and sales area in Customizing for [Logistics Execution](#) under ► [Last Mile Distribution](#) ► [Visit List Management](#) ► [Activate Visit List Planning](#) ⌵.
- Define the settings required to use the intelligent product proposal feature as described in Customizing for [Logistics Execution](#) under ► [Last Mile Distribution](#) ► [Integration](#) ► [Integration with Sales](#) ► [Settings for Product Proposals](#) ⌵.
For information about the settings required to enable delivery date determination, see [Integration with Sales](#).

Related Information

[Generate Load Requests and Product Proposals for Van Sales Routes \[page 1259\]](#)

15.1.2.1.2 OData API: *Visit List*


This feature enables the transfer of data from the dynamic visit planning add-on for SAP Sales Cloud or a third-party solution to create or update visit lists in SAP S/4HANA during route preparation.

Technical Details





Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LE-LMD (<i>Last Mile Distribution</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

In a van sales process, van sellers act as sales representatives who perform ad-hoc sales of the products loaded on a van at sales locations. The planning and execution of van sales is based on visit lists and load requests. A visit list is a list of locations at which a van seller sells products. A load request lists all products that need to be loaded on a van and that can then be sold directly from the vehicle. In the SAP Sales Cloud, dynamic visit planning add-on, or your third-party solution, you can plan customer visits with certain drivers on specific days for van sales routes. Furthermore, you can use product proposals created by the system. You use the OData API *Visit List* to transfer the data related to visit lists. For more information, see [Visit Lists](#).

This API is available on the SAP API Business Hub (<https://api.sap.com> .

Effects on Customizing

You define number ranges for visit lists in Customizing for *Logistics Execution* under  *Last Mile Distribution*  *Visit List Management*  *Define Number Ranges for Visit Lists* .

You define number ranges for visits in Customizing for *Logistics Execution* under  *Last Mile Distribution*  *Visit List Management*  *Define Number Ranges for Visits* .

You define number ranges for visit items in Customizing for *Logistics Execution* under ► *Last Mile Distribution* ► *Visit List Management* ► *Define Number Ranges for Visit Items* ►.

You define visit list types in Customizing for *Logistics Execution* under ► *Last Mile Distribution* ► *Visit List Management* ► *Define Visit List Types* ►.

Related Information

[Van Sales](#)

[Delivery of Ordered Goods](#)

[Manage Visit Lists \[page 1254\]](#)

15.1.2.1.3 Display Visit Lists

With this feature, you can display visit lists that were generated either by using the SAP Sales Cloud, dynamic visit planning add-on, or a third-party solution and then imported into Last Mile Distribution.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LE-LMD (<i>Last Mile Distribution</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

With the *Display Visit Lists* app, you can perform the following actions:

- Filter visit lists by status, driver, customer, sales organization, source location, distribution channel, and division.
- Check the status for customer visits.
- Display the planned and actual start and end of visits.
- Display customers' addresses and opening times.
- Display a message log with success and error messages.

For more information about the [Display Visit Lists](#) app, see [Display Visit Lists](#).

i Note

You can also access context-sensitive user assistance for this app. To do this, in the app, choose the question mark icon.

Effects on Data Transfer

The [Visit Lists](#) OData service (`LASTMILEVISITLIST`) is used to transfer data from the dynamic visit planning add-on for SAP Sales Cloud or a third-party solution to update visit lists in SAP S/4HANA. For more information, see [OData API: Visit List \[page 1256\]](#).

Effects on System Administration

To use this app, users must have the following business role assigned:

- `SAP_BR_TRANSPRT_MNGR_LMD` ([Transportation Manager - Direct Distribution](#))

For more information about authorizations, see [Set Up Authorizations for SAP Fiori Apps](#).

For more information about assigning roles, see .

For information related to implementing this app, see <https://fioriappslibrary.hana.ondemand.com/sap/fix/externalViewer/index.html?appld=F5221>.

Effects on Customizing

To use the visit list management capabilities provided by Last Mile Distribution, you must make the basic settings in Customizing for [Logistics Execution](#) under [Last Mile Distribution](#) > [Visit List Management](#) . For more information, see [Manage Visit Lists \[page 1254\]](#).

Related Information

[Plan and Execute Van Sales Routes \[page 1272\]](#)

[Visit List Management](#)

15.1.2.1.4 Generate Load Requests and Product Proposals for Van Sales Routes

This feature enables you to generate product proposals for load requests for van sales routes based on the predicted sales on routes and to generate product proposals for specific customers in a visit list.




Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LE-LMD (<i>Last Mile Distribution</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

Last Mile Distribution processes can be integrated with capabilities provided by SAP S/4HANA Sales to support the delivery process for ordered goods and the van sales process. The **intelligent product proposal feature** is based on the dynamic product proposal framework, which enables you to receive product and quantity proposals as an input help to enable faster selection of products during sales order entry.

Effects on Customizing

To use the intelligent product proposal feature, you must configure the following settings in Customizing for *Sales and Distribution* under  [Basic Functions](#)  [Dynamic Product Proposal](#) .

- [Define Document Procedure for Product Proposal](#)
Define the following document procedures:
 - Document procedure: Used to calculate product proposals for each customer based on the customer sales history
 - Document procedure: Used for load requests
- [Assign Document Procedure for Product Proposal to Sales Document Types](#)
Assign the document procedures you defined to sales document types for sales orders.
- [Maintain Table of Origin for Product Proposal](#)
Define the data source that should be used to determine product proposals (forecasts based on visit lists).
- [Maintain Algorithm Parameters for Intelligent Product Proposal](#)
Maintain smoothing algorithm settings for the calculation of sales forecasts for each customer.

Use the document procedure for customer sales history defined in the Customizing activity [Define Document Procedure for Product Proposal](#). The *Customer Procedure for Product Proposal* field must be left blank.

- [Define Product Proposal Procedure and Determine Access Sequences](#)

Define the following settings:

- Product proposal procedure: Used to calculate product proposals for customers
- Product proposal procedure: Used to calculate product proposals for load requests
- In [Access sequences](#), for both procedures, specify function modules that are to be used to calculate the sales history and perform further calculations or adaptations of proposals, for example, product exclusion.

For load requests, specify function module `LMD_VL_DPP_CALCULATION` to calculate product proposals for load requests as an aggregated forecast for all customers within a visit list.

The following settings are required only for manual creation of load requests using transaction `VA01` ([Create Sales Documents](#)):

- [Define Customer Procedure for Product Proposal](#)

Define a customer procedure to be used for load requests.

The customer procedure determines which product proposal procedure the system automatically uses when you create a load request.

You must assign the customer procedure to the required drivers in the master record by using transaction `BP` ([Maintain Business Partner](#)) for the role *Customer* by choosing [Sales and Distribution](#). On the [Orders](#) tab, enter the customer procedure in the *PP customer proced.* field.

- [Maintain Online Procedure Determination for Product Proposal](#)

Assign a product proposal procedure to a sales area, a customer procedure for product proposal, and a document procedure for product proposal that are defined for load requests.

Related Information

[Integration with Sales](#)

15.1.2.1.5 Data Extraction for Analytical Systems

With this feature, logistics data can be analyzed from different perspectives, for example, multidimensional analysis, aggregation, and forecasting. This feature provides the standard interface for data extraction by different analytical tools and frameworks such as SAP Data Warehouse Cloud, SAP Business Warehouse, and third-party-solutions.

Technical Details

Type	New
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Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LE-LMD (<i>Last Mile Distribution</i>)
Valid as Of	SAP S/4HANA 2021

Effects on Data Transfer

It is not possible to extract data that has been archived or deleted. For more information about managing data in Last Mile Distribution, see [Data Management in Last Mile Distribution](#).

Data is extracted from the following tables:

Table Definition	Short Description	Basic View	Data Extraction View
LMD_COM_ROUTES	<i>Last Mile Distribution Routes</i>	I_LstMiRoute	C_LstMiRouteDEX
LMD_COM_STOPS	<i>Last Mile Distribution Stops</i>	I_LstMiRouteStop	C_LstMiRouteStopDEX
LMD_COM_COCIPRDS	<i>Last Mile Distribution COCI for Products</i>	I_LstMiRouteCOCIProduc t	C_LstMiRouteCOCIProduc tDEX
LMD_COM_COCIPAYS	<i>Last Mile Distribution COCI Payments</i>	I_LstMiRouteCOCIPaymen t	C_LstMiRouteCOCIPaymen tDEX
LMD_COM_DOC_HDRS	<i>Last Mile Distribution Document Headers</i>	I_LstMiRouteDocument	C_LstMiRouteDocumentDE X
LMD_COM_DOC_ITMS	<i>Last Mile Distribution Document Items</i>	I_LstMiRouteDocumentIt em	C_LstMiRouteDocumentIt emDEX
LMD_COM_COLS	<i>Last Mile Distribution Collections</i>	I_LstMiRouteCollection	C_LstMiRouteCollection DEX
LMD_COM_COL_PAYS	<i>Last Mile Distribution Collection Payments</i>	I_LstMiRouteCollectedP ayment	C_LstMiRteColltdPaymen tDEX
LMD_SM_COM_COL_PASS	<i>Last Mile Distribution Collection Payment Assignments</i>	I_LstMiRteColltdPaytAs signment	C_LstMiRteColltdPaytAs signDEX
LMD_SM_OBJ_STAT	<i>Status Management Object Statuses</i>	I_LstMiStatusMgmtObjec tStatus	C_LstMiStatusMgmtObjec tStatusDEX
LMD_VL_VISITLIST	<i>Visit List - Visit List</i>	I_LastMileVisitList	C_LastMileVisitListDEX
LMD_VL_VISIT	<i>Visit List - Visit</i>	I_LastMileVisit	C_LastMileVisitDEX
LMD_VL_VISITITEM	<i>Visit List - Visit Item</i>	I_LastMileVisitItem	C_LastMileVisitItemDEX
LMD_VL_DOCUMENT	<i>Visit List - Visit List Document reference</i>	I_LastMileVisitListDoc ument	C_LastMileVisitListDoc umentDEX
LMD_VL_SLSPROPOS	<i>Visit List - Product Proposal</i>	I_LastMileVisitSalesPr oposal	C_LstMiVstSalesProposa lDEX

15.1.2.1.6 Control Goods Movements Based on Stock Quality

With this feature you can classify products by stock quality by using inventory groups, for example, salable products or products with quality issues, and control the goods movements posted for these products.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LE-LMD (<i>Last Mile Distribution</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

Inventory groups can be used when products are recorded at check-out, at check-in, and in document items to keep track of how many products are damaged or have quality issues during loading, route execution, and unloading. Inventory groups can also be used to control goods movements that are automatically posted for these products, for example, a transfer to a specific storage location or scrapping.

Effects on Data Transfer

Inventory groups are configured in the back-end system and can be downloaded to mobile devices so that delivery drivers and van sellers can record differences in inventory group at check-out, during customer visits, and at check-in.

For example, if a customer returns products that have reached their expiry date or are damaged, the products are unsalable. Salable and unsalable goods are held at different storage locations because unsalable products are only stored temporarily before disposal. The returned products are assigned to inventory groups that classify them as expired or damaged. In the [Settle Route Data](#) app, a settlement clerk can see why the products were returned based on the differences in inventory group.

Effects on Customizing

Inventory groups are configured in Customizing for [Logistics Execution](#) under ► [Last Mile Distribution](#) ► [Basic Settings](#) ► [Inventory Groups](#) ► [Define Inventory Groups](#) ►.

Inventory groups are assigned to material types and optionally to item categories in Customizing for [Logistics Execution](#) under ►► [Last Mile Distribution](#) ► [Basic Settings](#) ► [Inventory Groups](#) ► [Assign Inventory Groups to Material Types](#) ►. In this Customizing activity, a default inventory group should also be specified that is used when products of a specific material type are recorded at check-out, at check-in, and in document items.

Related Information

[OData API: Mobile Data for Last Mile Distribution \[page 1267\]](#)

15.1.2.1.7 Check-Out/In Differences - Settled Routes

This feature enables you to track differences between planned and actual check-out quantities and between expected and actual check-in quantities. Thus, you can analyze the efficiency of the loading process and of the route execution.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LE-LMD (Last Mile Distribution)
Valid as Of	SAP S/4HANA 2021

Additional Details

For more information about the [Check-Out/In Differences - Settled Routes](#) app, see [Check-Out/In Differences - Settled Routes](#).

i Note

You can also access context-sensitive user assistance for this app. To do this, in the app, choose the question mark icon.

i Note

The app does not display documents at check-out and check-in created for routes where route stock management is active.

Effects on System Administration

To use this app, users must have the following business role assigned: SAP_BR_SETL_CLERK_LMD ([Settlement Clerk - Direct Distribution](#))

For more information about authorizations, see [Set Up Authorizations for SAP Fiori Apps](#).

For more information about assigning roles, see .

For information related to implementing this app, see <https://fioriappslibrary.hana.ondemand.com/sap/fix/externalViewer/index.html?appId=F4741>.

Related Information

[Route Settlement](#)

15.1.2.1.8 Process Products by Generic Batch During Route Execution

This feature simplifies the processing of batch-managed products during route execution when, due to operational conditions, it is not possible to track and record specific batch numbers for delivered or returned products.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LE-LMD (Last Mile Distribution)
Valid as Of	SAP S/4HANA 2021

Additional Details

If generic batch handling is activated, instead of batches for delivered or returned products needing to be recorded manually during route execution, the system automatically uses a single generic batch number for all products that are delivered or returned.

For more information about how the generic batch handling feature is integrated into different steps of the delivery process for ordered goods and of the van sales process, see [Generic Batch Handling](#).

Effects on Existing Data

Batches for all products to be handled in generic batches can be managed by using the [Create Batch](#) app or transaction MSC1n.

Effects on Customizing

Generic batch handling can be activated in Customizing for [Logistics Execution](#) under ► [Last Mile Distribution](#) ► [Route Stock Management](#) ► [Define Storage Locations for Route Stock](#) ►.

15.1.2.1.9 Enable Intermediate Route Settlement

This feature enables the use of an intermediate settlement in a mobile scenario and allows you to settle stops directly after they have been executed.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LE-LMD (Last Mile Distribution)
Valid as Of	SAP S/4HANA 2021

Additional Details

With the use of the intermediate settlement of routes capability, the system workload is distributed more evenly over a longer period of time. Moreover, the system can provide information about the current route stock after each visit, and reduces the risk of losing data in case of a broken device. Additionally, billing documents can be created earlier in the process and can therefore be sent to customers sooner.

The intermediate settlement of routes can be used both for the delivery process for ordered goods and for the van sales process. For more information, see [Delivery of Ordered Goods](#) and [Van Sales](#).

Effects on Existing Data

In accordance with your business requirements, you can decide at which point in the process flow you want to run the intermediate settlement and the final settlement of routes. For more information, see [Final Settlement of Routes](#).

In the [Settle Route Data](#) and the [Monitor Route Data](#) apps, the following two settlement statuses were added:

- [Intermediate Settlement with Errors](#)
- [Intermediate Settlement Successful](#)

i Note

If you use the intermediate settlement of routes, the system ignores tolerance checks and prevalidation checks. Even though a final settlement run is started at the end of the day, these checks are not considered in the intermediate settlement of routes capability.

Effects on Data Transfer

Route data related to stops that was previously recorded on a mobile device is transferred to the SAP S/4HANA system with the OData service [Mobile Data for Last Mile Distribution](#) (LMD_MA) at upload. For more information, see [Upload Use Cases: Intermediate and Final Upload](#).

i Note

In an upload request that contains stop data that is uploaded for a route that has not been completed, the route entity must have the property values "UploadType" : "I" and EndDateTime.

Effects on System Administration

A technical user can execute the [Run Intermediate Settlement](#) report (P_LMD_RTSL_INTERM_SETTLMNT_RUN) for the settlement of different stop types, such as [Check-Out](#), [Visit](#), or [Check-In \(Unload\)](#), in a mobile scenario before final settlement.

For more information, see [Run Intermediate Settlement](#).

For more information about the required authorizations, see [Set Up Authorizations for Intermediate Settlement](#).

Effects on Customizing

You activate automatic settlement for routes and stops in Customizing for *Logistics Execution* under ► *Last Mile Distribution* ► *Route Settlement* ► *Configure Automatic Settlement* ►.

Related Information

[OData API: Mobile Data for Last Mile Distribution \[page 1267\]](#)

[Plan and Execute Van Sales Routes \[page 1272\]](#)

[Route Settlement](#)

15.1.2.1.10 OData API: *Mobile Data for Last Mile Distribution*


With this feature, information that is required for route execution can be sent to mobile devices and information about route activities can be returned. Furthermore, this feature enables configuration data that is required to record activities on a mobile device to be downloaded by using the same service.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LE-LMD (<i>Last Mile Distribution</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

In earlier releases, the OData version 2 (V2) services *Mobile Execution Configuration - Read* and *Route Data - Download and Upload* were provided for the download of configuration data and the download and upload of route data to support a mobile scenario for Last Mile Distribution. These OData services have been consolidated into one OData (V2) service called *Mobile Data for Last Mile Distribution* (LMD_MA).

This API is available on the SAP API Business Hub (<https://api.sap.com/> .

Effects on Existing Data

The following entities can now be included in download requests that contain configuration data:

- [Inventory Groups](#) (`InventoryGroup`)
- [Inventory Groups by Material Type/Item Category](#) (`MaterialTypeInventoryGroup`)

The following entities have been enhanced with new properties to support new features (inventory groups, generic batch handling, and intermediate settlement):

Entity	New Property	Description
Check-Out/Check-In Products	Batch	Batch number if a product is related to a batch
	Plant	Key of the plant from which a product is delivered
	InventoryGroup	Two-character code that represents the inventory group assigned to a product before check-out or check-in
	InventoryGroupDifference	Two-character code that represents the inventory group assigned to a product at check-out
	UnloadedQuantity	Quantity of a product that has been unloaded from a vehicle that is recorded at check-in
Document Items	InventoryGroup	Two-character code that represents the inventory group assigned to a product before check-out or check-in
	InventoryGroupDifference	Two-character code that represents the inventory group assigned to a product at check-out or check-in
Routes	ChecksumUploadedStops	Number of stops uploaded for an entire route
	UploadType	Type of upload of route data <ul style="list-style-type: none"> • Intermediate upload: "UploadType" : "I" Upload of stop data for a route that has not been completed • Final upload: "UploadType" : "F" Upload of remaining stop data for a route for which stop data has already been uploaded • Final upload: "UploadType" : "<blank>" Upload of all route data for all stops

Entity	New Property	Description
Stops	ProcessingStatus	Processing status of a check-out stop, visit, or check-in stop

To support van sales processes, in the entity [Documents](#), the property `DocumentCategory` can also have the values `PP` for a product proposal and `LRD` for load request delivery. Document categories `PP` and `LRD` are read-only.

Effects on System Administration

To enable the download of configuration data to mobile devices and the download and upload of route data to and from mobile devices, the OData service [Mobile Data for Last Mile Distribution](#) (`LMD_MA`) must be activated. For information, see [Activate OData Service LMD_MA \(Mobile Scenario\)](#).

The way roles and users for this OData service are set up depends on the setup of SAP Gateway. For more information, see [Set Up Authorizations for OData Service LMD_MA](#).

Effects on Customizing

For information about the Customizing settings that are relevant for the new features, see the following release information:

- [Control Goods Movements Based on Stock Quality](#) [page 1262]
- [Process Products by Generic Batch During Route Execution](#) [page 1264]
- [Enable Intermediate Route Settlement](#) [page 1265]

15.1.2.1.11 Configure Statuses to Trigger Freight Order Distribution to LMD

This feature enables you to control more flexibly which freight order statuses trigger the communication between Last Mile Distribution (LMD) and Transportation Management (TM) according to your business requirements.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	Not applicable
Application Component	LE-LMD (Last Mile Distribution)
Valid as Of	SAP S/4HANA 2021

Additional Details

Each freight order represents a route. When the status of the freight order is set, the system starts processes like route assembly and/or the printing of documents. This applies to both paper-based and mobile scenarios.

Optionally, you can define freight order prerequisite statuses. In this case, a freight order must have this specified status before the actual freight order status can be set.

Note

An event such as the [Loading End](#) event, can also be defined as a prerequisite status.

With this feature, you can define which processes are triggered when a certain freight order status is set to enable the communication between LMD and TM. For more information, see [Integration with Transportation Management](#).

This information is also relevant for the use of a van sales process. For more information, see [Van Sales](#).

Effects on Existing Data

The follow-on processes that are triggered when a transportation order (TOR) message is sent from TM to LMD remain unchanged. However, you can now customize the statuses and process flows that trigger these follow-on processes according to your business needs. Furthermore, you can map freight order statuses to route life cycle statuses to influence when route assembly and other processes are triggered.

Effects on Customizing

- You specify which freight order status must be set to assemble a route and/or to print documents to configure the process flow from TM to LMD according to your business requirements in Customizing for [Logistics Execution](#) under [Last Mile Distribution](#) > [Integration](#) > [Integration with Transportation Management](#) > [Specify Relevant Freight Order Statuses](#).
- You map freight order statuses to route life cycle statuses in Customizing for [Logistics Execution](#) under [Last Mile Distribution](#) > [Basic Settings](#) > [Map Source Statuses to Route Life Cycle Statuses](#).

For more information, see [Freight Order Statuses](#).

Related Information

[Plan and Execute Van Sales Routes \[page 1272\]](#)

15.1.2.1.12 Monitor Mobile Data Transfer and Processing

With this feature you can monitor the transfer status of mobile data and the processing status of routes in a mobile scenario.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LE-LMD (Last Mile Distribution)
Valid as Of	SAP S/4HANA 2021

Additional Details

In a mobile scenario, drivers and van sellers use mobile devices to record all activities on routes, for example, payments and returns. If intermediate settlement is enabled, the information recorded about a customer visit or sales can be uploaded to the back-end system via the mobile adapter, and the system immediately settles the stops. The status of mobile data transfer and route processing can be monitored by using the [Monitor Route Data](#) app.

Effects on Existing Data

In the [Monitor Route Data](#) app, a new [Mobile Data Status](#) field indicates the status of mobile data transfer for a route. A route can have one of the following mobile data statuses:

- [Downloaded](#): Data has been downloaded for the route.
- [Open](#): New data is available for the route and is pending download.
- [Uploaded \(Final\)](#): All data has been uploaded for the route.
- [Uploaded \(Intermediate\)](#): Stop data has been uploaded for the route but the route has not been completed.

If errors occur during the download of route data, you can use the [Resend](#) function to reset the mobile data status manually and thereby restart the download process. This function is only available when a route has the

life cycle status *In Execution* or *Open*. The mobile data status of the route must be *Downloaded* and is displayed in the *Status History* under *Route Processing Status*.

You can settle routes manually, for example, if a mobile device is broken, by using the *Settle Manually* function. This function is only available when a route has the life cycle status *In Execution* and its settlement status is initial. This function is not available when any route data has been uploaded. The upload of route data is indicated by the mobile data statuses *Uploaded (Intermediate)* or *Uploaded (Final)*. The mobile data status is displayed in the *Status History* under *Route Processing Status*.

After you have enabled manual settlement for a route, the *Undo Manual Settlement* function is available. You can disable manual settlement if route data needs to be uploaded from mobile devices again.

If intermediate settlement is enabled, in the *Monitor Route Data* app and the *Settle Route Data* app, in the *Settlement Status* field, the following new statuses indicate the status of intermediate settlement:

- *Intermediate Settlement Successful*: Stops have been settled for the route.
- *Intermediate Settlement with Errors*: Errors occurred during the settlement of stops for the route.

Related Information

[Enable Intermediate Route Settlement \[page 1265\]](#)

15.1.2.1.13 Plan and Execute Van Sales Routes

This feature enables you to plan and execute van sales routes with effective tracking of stock availability and sales on routes.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LE-LMD (<i>Last Mile Distribution</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

Van sellers act as sales representatives and perform ad-hoc sales of the products loaded on a van at sales locations. The planning and execution of van sales is based on visit lists and load requests. A visit list is a list of

locations at which a van seller should sell products. A load request lists all products that need to be loaded on a van and that can then be sold directly from the vehicle. For an overview of an end-to-end van sales process, see [Van Sales](#).

Route stock management provides the basis of van sales processes, in particular, with regard to managing products that are loaded on vehicles for direct sales to customers as well as managing customer sales and the settlement process. For more information, see [Route Stock Management for Van Sales](#).

Route stock management capabilities also support van sales processes when products are first replenished to intermediate locations for temporary storage and are then loaded on to vehicles for distribution on van sales routes. For more information, see [Route Stock Management for Van Sales Replenishment](#).

Effects on Existing Data

Van sales routes are monitored and settled in the same way as delivery routes, that is, by using the same apps. However, for route execution, a paper-based scenario is not supported. Van sellers record all activities on mobile devices.

Effects on Data Transfer

If Transportation Management (TM) is integrated with Extended Warehouse Management (EWM), loading completion is reported in an EWM system for the related transportation units; otherwise, loading completion is reported directly in the TM system.

Effects on Customizing

To use route stock management capabilities for van sales, you must configure settings for load requests and for route stock transfer. For more information, see [Route Stock Management for Van Sales](#) under *Prerequisites*.

To use route stock management capabilities for van sales replenishment, you must additionally configure settings for a partner function that is used to represent the route stock partner. For more information, see [Route Stock Management for Van Sales Replenishment](#) under *Prerequisites*.

15.1.2.1.14 Manage Warehouse Unloading Processes and Route Stock

This feature provides full stock visibility at warehouses and on routes through the support of warehouse unloading processes for returns and the decoupling of warehouse unloading processes from final route settlement.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LE-LMD (<i>Last Mile Distribution</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

For an overview of all features provided by the route stock management capabilities of Last Mile Distribution, see [Route Stock Management](#).

Route stock management is a prerequisite if a van sales process is implemented. For more information, [Plan and Execute Van Sales Routes \[page 1272\]](#).

Effects on System Administration

If Transportation Management (TM) is integrated with Extended Warehouse Management (EWM), the route stock management process differs. For more information, see [Integration with Extended Warehouse Management](#).

Effects on Customizing

For information about the configuration settings that need to be made for different scenarios, see the following sections:

- [Route Stock Management for Deliveries](#)
Provides stock visibility during the execution of delivery routes, from the completion of loading activities at a warehouse up to customer visits and route settlement.
- [Route Stock Management for Van Sales](#)
Provides the basis of van sales processes, in particular, with regard to managing products that are loaded on vehicles for direct sales to customers as well as managing customer sales and the settlement process.
- [Route Stock Management for Van Sales Replenishment](#)
Supports van sales processes when products are first replenished to intermediate locations for temporary storage and are then loaded on to vehicles for distribution on van sales routes.
- [Route Stock Management for Transshipment](#)
Supports transshipment scenarios where deliveries are first transported to transit locations such as hubs or a transit warehouse and are then transported to end customers.

Related Information

[Manage Route Stock for Delivery and Van Sales Routes \[page 1275\]](#)

15.1.2.1.15 Manage Route Stock for Delivery and Van Sales Routes

This feature provides full visibility of stock during each step of route execution, from the completion of loading activities at a warehouse, stock transfer at check-out, customer visits, stock transfer at check-in, up to final route settlement.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LE-LMD (Last Mile Distribution)
Valid as Of	SAP S/4HANA 2021

Additional Details

For an overview of all features provided by the route stock management capabilities of Last Mile Distribution, see [Route Stock Management](#).

Route stock management is a prerequisite if a van sales process is implemented. For more information, [Plan and Execute Van Sales Routes \[page 1272\]](#).

Effects on System Administration

- To use route stock management capabilities, Last Mile Distribution must be integrated with Transportation Management (TM). For information, see [Integration with Transportation Management](#).
- If Transportation Management (TM) is integrated with Extended Warehouse Management (EWM), the route stock management process differs. For more information, see [Integration with Extended Warehouse Management](#).

Effects on Customizing

For information about the configuration settings that need to be made for different scenarios, see the following sections:

- [Route Stock Management for Deliveries](#)
Provides stock visibility during the execution of delivery routes, from the completion of loading activities at a warehouse up to customer visits and route settlement.
- [Route Stock Management for Van Sales](#)
Provides the basis of van sales processes, in particular, with regard to managing products that are loaded on vehicles for direct sales to customers as well as managing customer sales and the settlement process.
- [Route Stock Management for Van Sales Replenishment](#)
Supports van sales processes when products are first replenished to intermediate locations for temporary storage and are then loaded on to vehicles for distribution on van sales routes.
- [Route Stock Management for Transshipment](#)
Supports transshipment scenarios where deliveries are first transported to transit locations such as hubs or a transit warehouse and are then transported to end customers.

15.1.3 Retail and Fashion

15.1.3.1 Retail for Merchandise Management


15.1.3.1.1 OData API: *Store Pickup Order (A2X)*

With this feature you can use OData service to integrate external applications for processing of store pickup orders. The service enables you to use the information of store pickup orders for goods issue and billing at the time of order handover to the customer.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-STO-FIO (<i>In-Store Merchandise and Inventory Management - Fiori Apps</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com/> ) .

If you need to create an incident regarding this feature, use component LO-RFM-STO-FIO

Related Information

[Store Pickup Order \(A2X\)](#)

15.1.3.1.2 Deactivation of Service Nodes in Product Merchandise View

With this feature you can deactivate the following service nodes to send only required data to POS system using [Product Merchandise Data – Replicate](#) service operation:

- ProcurementPriceInformation
- ConfigurationPropertyValuation
- ArticleHierarchyAssignment
- ProductBillOfMaterial
- InformativePropertyValuation
- MeasureUnitCodeSpecificDescription

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-IFC-OUT (POS Interface - Outbound)
Available As Of	SAP S/4HANA 2021

Additional Details

If you need to create an incident regarding this feature, use component LO-RFM-IFC-OUT.

Related Information

[Product Merchandise Data – Replicate \(Asynchronous A2A\)](#)

15.1.3.1.3 Replication of Condition Type Group Using Transaction DRFOUT

With this feature you can use `DRFOUT` transaction to send condition types groups information to POS systems. In POS Outbound using `DRFOUT`, condition types are determined based on the condition type group configuration available in the POS outbound profile.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SD-POS-OUT (POS Interface - Outbound)
Valid as Of	SAP S/4HANA 2021 FPS0

Additional Details

If you need to create an incident regarding this feature, use component `LO-RFM-IFC-OUT`.

Effects on Customizing

For more information, see Customizing [Maintain POS Condition Type Group](#) under [Sales and Distribution](#) [POS Interface](#) [Outbound](#).

15.1.3.1.4 Enhancements in Retail Pricing Customizing Implementation Guide

Certain changes are made in the *Implementation Guide* under ► [Logistics - General](#) ► [Retail Pricing](#) ► [Sales Price Calculation](#) ► [Price Point Group](#) ►.

Customizing [Assign Price Point Group to Organization Level/Material Group](#) is deprecated:

Following Customizing activities are included:

- [Assign Price Point Group to Organization Level](#)
- [Assign Price Point Group to Organization Level/Merchandise Category](#)

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-MD-RPC (Retail Pricing)
Available As Of	SAP S/4HANA 2021

Additional Details

If you need to create an incident regarding this feature, use component LO-MD-RPC.

Effects on Customizing

Due to change in underlying customizing objects new Customizing activities are introduced. In the Customizing activity [Assign Price Point Group to Organization Level](#), you can maintain organization data. However, in the Customizing [Assign Price Point Group to Organization Level/Merchandise Category](#) usage of merchandise category is mandatory.

For more information, see [3071351](#) .

15.1.3.1.5 BAdI to Send Click-and-Collect Orders to POS System During Handover

With this feature you can use [Send Sales Order Information to POS During Reservation Handover](#) BAdI to send sales order information to POS during the process of reservation handover in Hand Over Orders application.

During the handover of E-commerce orders in brick-and-mortar stores, customers might want to buy additional products or they might not be satisfied with a chosen substitution product and hence not buy this. To cope with this situation, the E-commerce order in SAP S/4HANA is canceled and the products is sold via POS system.

In this BAdI, the order including all line items and prices is published. You can implement the BAdI to send the order to their POS system, so that store associates do not have to scan all articles manually.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-STO-FIO (In-Store Merchandise and Inventory Management - Fiori Apps)
Valid as Of	SAP S/4HANA 2021

Related Information

[App Extensibility: Hand Over Orders \(Key User\)](#)

15.1.3.1.6 Send Partial Confirmation in POS Inbound Service

With this feature you can send partial confirmation message to the sender system when the SOAP service (`AggregatedSalesByProduct`) message is partially processed.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-IFC-IN-SRV (Service based POS Interface - Inbound)
Available As Of	SAP S/4HANA 2021

Additional Details

If you need to create an incident regarding this feature, use component LO-RFM-IFC-IN-SRV.

Effects on Customizing

You can configure SOAP confirmation services by enabling [Send Partial Confirmation](#) in the Customizing [Control Aggregated Sales](#) under [Sales and Distribution](#) > [POS Interface](#) > [Inbound \(SOAP Service\)](#).

Related Information

[POS Transactional Data Replication in the SAP System](#)

15.1.3.1.7 Display Generic Characteristics Type

With this feature you can enable generic characteristic type (for example characteristic 1, characteristic 2, and characteristics 3) display in various applications.

Technical Details

Type	New
------	-----

Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-MD-MM (Material Master)
Available As Of	SAP S/4HANA 2021

Additional Details

If you need to create an incident regarding this feature, use component LO-MD-MM.

Effects on Customizing

To enable generic characteristics type, select the Customizing [Display Generic Characteristics Type](#) under [► Logistics - General ► Material Master ► Retail-Specific Settings ► Settings for New Characteristic Value Storage ►](#).

Related Information

[Generic Article and Variants](#)

15.1.3.1.8 Default Item Category Group for Generic Articles

With this feature the item category group for generic article is by default set as S~~A~~MM. If the reference article is a generic article, then the item category value is taken from the reference. For variants, the item category group is not copied from the generic article but from the reference article.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	LO-MD-MM (Material Master)
Available As Of	SAP S/4HANA 2021

Additional Details

If you need to create an incident regarding this feature, use component LO-MD-MM.

Effects on Customizing

The default item category can be selected as SAMM in the Customizing [Assign Fields to Field Selection Groups](#) under ► [Logistics - General](#) ► [Material Master](#) ► [Field Selection](#) ►.

Related Information

[Reference Article](#)

[Reference and Deviation Handling for Variants of Generic Articles](#)

15.1.3.1.9 Send POS Data for Tied Empties with Full Products

With this feature you can enable POS system to send data for tied empties with full products with tied empties stock to the SAP S/4HANA system.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-IFC-IN-SRV (Service based POS Interface - Inbound)
Available As Of	SAP S/4HANA 2021

Additional Details

If you need to create an incident regarding this feature, use component LO-RFM-IFC-IN-SRV.

Effects on Customizing

You can enable *Explode Material* in the Customizing activities under ► *Sales and Distribution* ► *POS Interface* ► *Inbound (SOAP Service)* ►.

Related Information

[POS Transactional Data Replication in the SAP System](#)

15.1.3.1.10 Migration of Retail Article Master Data

With this feature you can use the following migration objects to migrate retail-specific data from your existing system to SAP S/4HANA :

- Product
- Material BOM

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-MD-ART (<i>Article</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

If you need to create an incident regarding this feature, use component LO-RFM-MD-ART.

Related Information

[Product for Retail for Merchandise Management](#)
[Material BOM](#)

15.1.3.1.11 Count Stock Ad hoc

This app enables store associates to keep a track of the stock count for the products on need basis for each storage location available in the store. The store associate also has the option of tracking stock counts in each placement.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-STO-FIO (<i>In-store Merchandise and Inventory Management - Fiori Apps</i>)
Available As Of	SAP S/4HANA 2021 FPS0

Effects on Existing Data

The SAP Fiori app **Count Stock Ad hoc** is assigned to the predefined role **Retail Store Associate** for the SAP Fiori launchpad.

For information about assigning roles, please see [UI-Specific Implementation Tasks](#).

Effects on System Administration

To use this feature, you need to activate the following business functions:

- Retail (ISR_RETAILSYSTEM)
- Retail, Store & Multichannel (ISR_RETAIL_STORE)

For more information about these business functions, see [Retail](#).

Effects on Customizing

Before using **Count Stock Ad hoc** you must configure necessary settings in the Customizing for [Logistics - General](#) under [Store Operations](#) > [In-Store Merchandise and Inventory Management - UI5 Apps](#) > [Count Stock Ad hoc](#).

Related Information

[Count Stock Ad hoc](#)
[App Implemetation: Count Stock Ad hoc](#)

15.1.3.1.12 Adjust Mass Stock

This app enables store associates to scan the RFID of the product and it will be automatically added in the stock adjustments.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-STO-FIO (In-store Merchandise and Inventory Management - Fiori Apps)
Valid as Of	SAP S/4HANA 2021 FPS0

Effects on Existing Data

For information about assigning roles, please see [UI-Specific Implementation Tasks](#).

Effects on System Administration

To use this feature, you need to activate the following business functions:

- Retail (ISR_RETAILSYSTEM)
- Retail, Store & Multichannel (ISR_RETAIL_STORE)

For more information about these business functions, see [Retail](#).

Effects on Customizing

Before using **Adjust Mass Stock** you must configure necessary settings in the Customizing for [Logistics - General](#) under ► [Store Operations](#) ► [In-Store Merchandise and Inventory Management - UI5](#) ► [Apps Adjust Mass](#) ► [Stock Define Basic Settings for Mass Stock Adjustment](#) ►

Related Information

[Adjust Mass Stock](#)

15.1.3.1.13 Migration of Retail Merchandise Category and Merchandise Category Hierarchy Node

With this feature you can use the following migration objects to migrate retail-specific data from your existing system to SAP S/4HANA:

Merchandise Category Hierarchy Node (MCHN) Characteristic Value Restriction

- MCHN characteristic value restriction

Merchandise Category

- Merchandise category
- Merchandise category text
- Assignment of characteristic to merchandise category

Merchandise Category Characteristic Value Restriction

- Merchandise category characteristic value restriction

Merchandise Category Hierarchy Node

- Merchandise category hierarchy node
- Text
- Characteristic assignment

Merchandise Category Hierarchy Node Assignment

- Assignment of merchandise category hierarchy nodes

Merchandise Category Reference Article

- Assign merchandise category with reference article

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	Not Applicable
Application Component	LO-RFM-MD-MC(Merchandise Categories)
Valid as Of	SAP S/4HANA 2021 FPS0

Additional Details

If you need to create an incident regarding this feature, use component LO-RFM-MD-MC.

Related Information

[Product for Retail for Merchandise Management](#)
[RFM - MCHN Characteristic value restriction](#)
[RFM - Merchandise category](#)
[RFM - Merchandise category characteristic value restriction](#)
[RFM - Merchandise category hierarchy node](#)
[RFM - Merchandise category hierarchy node assignment](#)
[RFM - Merchandise category reference article](#)

15.1.3.1.14 Deletion Report for Temporary Data (Adjust Stock and Transfer Stock)

Using the RFM ST SC CLEANUP TABLES report, you can delete products from the list that are no longer valid within the set validity period in the mentioned apps.

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	Not Applicable
Application Component	LO-RFM-STO-FIO(In-store Merchandise and Inventory Management - Fiori Apps)
Valid as Of	SAP S/4HANA 2021 FPSO

Related Information

[Implementation Details for Adjust Stock](#)
[Implementation Details for Transfer Stock](#)

15.1.3.1.15 Assign Store to Assortment Modules

With this app, you can assign a store to existing assortment modules. Assigning a store to an assortment module is a vital step when defining assortments because an assortment definition can be described as a relationship between products and stores. Thus, together with the respective product assignment, your store assignment entails the corresponding listing condition and initiates the generation of the product master data for the assigned store.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-MD-LST (Listing)
Valid as Of	SAP S/4HANA 2021

Additional Details

The *Assign Store to Assortment Modules* app forms an integral part of the assortment module management solution. For more information about the app, see [Assign Store to Assortment Modules](#).

Note

You can also access context-sensitive in-app help for this app. To do this, in the app, click on the *Question Mark* icon (🔍).

For information related to implementing this app, see <https://fioriappslibrary.hana.ondemand.com/sap/fix/externalViewer/index.html?appId=F4893> and [App Implementation: Assortment Module Management](#).

Effects on System Administration

As a prerequisite, you must activate the business function *Retail, Assortment Module Management* (RETAIL_ASM_MANAGEMENT). For more information about the business function, see [Retail, Assortment Module Management](#).

Effects on Customizing

As a prerequisite, you must activate the assortment module management solution in Customizing for *Logistics - General* under [Assortment](#) [Assortment Module Management](#) [Manage General Settings](#).

Related Information

[Assortment Module Management](#)

15.1.3.1.16 Application Logs - Assortment Module Management

With this app, you can display the application log entries for the assortment module management solution. The app is a specialization of the generic *Application Logs* app.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-MD-LST (<i>Listing</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The *Application Logs - Assortment Module Management* app forms an integral part of the assortment module management solution. For more information about the app, see [Application Logs - Assortment Module Management](#).

For information related to implementing this app, see <https://fioriappslibrary.hana.ondemand.com/sap/fix/externalViewer/index.html?appld=F5477> and [App Implementation: Assortment Module Management](#).

Effects on System Administration

As a prerequisite, you must activate the business function *Retail, Assortment Module Management* (RETAIL_ASM_MANAGEMENT). For more information about the business function, see [Retail, Assortment Module Management](#).

Effects on Customizing

As a prerequisite, you must activate the assortment module management solution in Customizing for *Logistics - General* under [Assortment](#) [Assortment Module Management](#) [Manage General Settings](#).

Related Information

[Assortment Module Management](#)

15.1.3.1.17 Manage Assortment Modules

With this app, you can now assign an assortment user to an assortment module for multiple assignment periods, and you can adapt these assignment periods according to your business needs. Furthermore, the app is enhanced with features related to the product assignments: You can now adapt the time periods for which the products are assigned to an assortment module version and you can define whether a product is mandatory for the assigned assortment users.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-MD-LST (Listing)
Valid as Of	SAP S/4HANA 2021

Additional Details

The [Manage Assortment Modules](#) app forms an integral part of the assortment module management solution. For more information about the app, see [Manage Assortment Modules](#).

i Note

You can also access context-sensitive in-app help for this app. To do this, in the app, click on the [Question Mark](#) icon (❓).

For information related to implementing this app, see <https://fioriappslibrary.hana.ondemand.com/sap/fix/externalViewer/index.html?appId=F4892> and [App Implementation: Assortment Module Management](#).

Effects on Existing Data

The user interface has been enhanced as follows:

- On the [Assortment Module](#) object page, you can now assign an assortment user to an assortment module for multiple assignment periods. Furthermore, you can adapt the assortment users' assignment periods using the new [Adapt Assignment Period](#) button.
- On the [Version](#) object page, you can now adapt the products' assignment periods for the corresponding version using the new [Adapt Assignment Period](#) button.

- On the [Version](#) object page, when editing the assortment module version, you can now define whether a product is mandatory for the assigned assortment users by selecting or deselecting the new [Mandatory](#) checkbox. Your setting applies to all assortment module versions to which the product is assigned because a product can either be mandatory or not mandatory in all versions of an assortment module.


Effects on Data Transfer

If you have assigned an assortment user to an assortment module for multiple assignment periods and you want to adapt these assignment periods using the [Assortment Module \(A2X\)](#) (API_RFM_ASSORTMENT_MODULE) OData service, you have to use version 0002 of this service. The reason is that version 0001 offers restricted features compared to its follow-on version 0002 because version 0001 cannot manage multiple assignment periods but only one assignment period per assortment user.

Effects on System Administration

As a prerequisite, you must activate the business function [Retail, Assortment Module Management](#) (RETAIL_ASM_MANAGEMENT). For more information about the business function, see [Retail, Assortment Module Management](#).

Effects on Customizing

As a prerequisite, you must activate the assortment module management solution in Customizing for [Logistics - General](#) under [Assortment](#) > [Assortment Module Management](#) > [Manage General Settings](#) .

Related Information

[Assortment Module Management](#)

15.1.3.1.18 OData API: [Assortment Module \(A2X\) \(Version 0002\)](#)

With version 0002 of the [Assortment Module \(A2X\)](#) OData service, you can use new features regarding **assortment modules** and **assortment user assignments to assortment modules**. You can now create assortment modules as deep entities and delete them. Furthermore, you can assign an assortment user to an assortment module for multiple assignment periods. You can also read and delete such assignments. In addition, the service offers a new action for adapting the assortment user's assignment periods.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-MD-LST (Listing)
Valid as Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com/> .

The *Assortment Module (A2X)* (API_RFM_ASSORTMENT_MODULE) OData service forms an integral part of the assortment module management solution. For more information about the solution, see [Assortment Module Management](#).

With version 0002 of the *Assortment Module (A2X)* OData service, you can now perform various new operations and a new action for the following entities:

- *Assortment Module* (ExplicitAssortmentModule)
You can now create assortment modules as deep entities and you can delete assortment modules.
- *Assortment User Assignment to Assortment Module* (ExplicitAssortmentModuleUser)
You can now assign an assortment user to an assortment module for multiple assignment periods by performing the *Create* operation. You can also read and delete assortment user assignments, which have multiple assignment periods.
Furthermore, you can perform the `UpdateValidity` action for adapting the time periods for which an assortment user is assigned to an assortment module. This action replaces the `Update` operation as provided by version 0001 of this service.

Effects on Data Transfer

If you have assigned an assortment user to an assortment module for multiple assignment periods and you want to adapt these assignment periods using the *Assortment Module (A2X)* (API_RFM_ASSORTMENT_MODULE) OData service, you have to use version 0002 of this service. The reason is that version 0001 offers restricted features compared to its follow-on version 0002 because version 0001 cannot manage multiple assignment periods but only one assignment period per assortment user.

Effects on System Administration

As a prerequisite, you must activate the business function [Retail, Assortment Module Management](#) (RETAIL_ASM_MANAGEMENT). For more information about the business function, see [Retail, Assortment Module Management](#).

Effects on Customizing

As a prerequisite, you must activate the assortment module management solution in Customizing for [Logistics - General](#) under [Assortment](#) [Assortment Module Management](#) [Manage General Settings](#).

Related Information

[Assortment Module Management](#)
[Assortment Module \(A2X\) \(Version 0002\)](#)

15.1.3.1.19 Manage General Settings for Assortment Module Management

With the [Manage General Settings](#) Customizing activity for the assortment module management solution, you can now specify whether the system ignores or considers the opening and closing dates of sites when calculating the respective listing conditions.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-MD-LST (Listing)
Valid as Of	SAP S/4HANA 2021

Additional Details

As a default, the system considers the opening and closing dates and the procurement of products cannot be initiated before the actual site opening date or after its closing date.

If you specify that the system ignores the opening date and closing date of sites, it does not consider these dates when calculating the listing conditions. Therefore, the procurement of products can be initiated before the actual site opening date or after its closing date. This means that the products can be ordered for the corresponding site before the opening date or after the closing date.


Note

If you do not select the corresponding checkbox in the Customizing activity, that is, you want the system to consider the dates, but the value for the opening or closing date of a site is initial, the system ignores the respective date when calculating the listing conditions.

Effects on System Administration

As a prerequisite for configuring the assortment module management solution, you must activate the business function [Retail, Assortment Module Management](#) (RETAIL_ASM_MANAGEMENT). For more information about the business function, see [Retail, Assortment Module Management](#).

Effects on Customizing

A new checkbox (*Ignore Opening/Closing Date of Site*) is available in Customizing for [Logistics - General](#) under [Assortment](#) > [Assortment Module Management](#) > [Manage General Settings](#) .

Related Information

[Assortment Module Management](#)

15.1.3.1.20 Authorization for Assortment Module Versions

With this authorization object, you can now use one more layer of authorization for assortment modules because it enables you to distinguish between the permitted activities for assortment modules and assortment module versions. Thus, you can use the existing `W_ASORT` authorization object to control the authorizations for assortment modules and the new `RFM_ASMVER` authorization object to control the authorizations for assortment module versions.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-MD-LST (<i>Listing</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can use the [RFM_ASMVER](#) authorization object to define more complex authorizations for the assortment module management solution. For more information about the solution, see [Assortment Module Management](#).

Related Information

[Authorization Objects for Merchandise Management](#)
[Assortment Module Management](#)

15.1.3.2 Fashion and Vertical Business

15.1.3.2.1 Configure Purchase Order Consolidation Rule

With this app you can define consolidation rules to combine multiple purchase order items.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-PUR (<i>Purchasing</i>)

Additional Details

The defined consolidation rules are used in the **Manage Purchase Orders - Fashion** app to combine multiple purchase order items using the consolidate action available at the item level.

Effects on System Administration

Use the following business catalog, group, and role to access the corresponding apps from SAP Fiori home page:

Business Group	Business Catalog	Business Roles
SAP_RFM_BCG_PURCHASER	SAP_RFM_BC_PURCHASER	SAP_BR_PURCHASER_RFM

Related Information

[Configure Purchase Order Consolidation Rule](#)
[Purchase Order Consolidation](#)

15.1.3.2.2 Manage Purchase Orders - Fashion

With this app you can display the selected open purchase order details at header, generic product, and item levels, so you can get a complete view of different items in these orders before you can edit these items or consolidate them into new purchase order.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	LO-RFM-PUR (<i>Purchasing</i>)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

Use the following business catalog, group, and role to access the corresponding apps from SAP Fiori home page:

Business Group	Business Catalog	Business Roles
SAP_RFM_BCG_PURCHASER	SAP_RFM_BC_PURCHASER	SAP_BR_PURCHASER_RFM

Related Information

[Manage Purchase Orders - Fashion](#)
[Purchase Order Consolidation](#)

15.1.3.2.3 Schedule Deletion of Purchase Order Traceability Logs

With this app you can create and schedule jobs to delete traceability data generated during the purchase order consolidation process.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-PUR (<i>Purchasing</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

You need to first configure the technical parameters for the deletion job. You can also define a recurrence pattern for the above deletion process.

Effects on System Administration

Use the following business catalog, group, and role to access the corresponding apps from SAP Fiori home page:

Business Group	Business Catalog	Business Roles
SAP_RFM_BCG_PURCHASER	SAP_RFM_BC_PURCHASER	SAP_BR_PURCHASER_RFM

Related Information

[Schedule Deletion of Purchase Order Traceability Logs](#)

15.1.3.2.4 Manage Provisional Sales Contracts - Fashion

With this app you can display the provisional sales contract details at header and generic product levels, so you can get a complete view of different items in these contracts. You can also use this app to create provisional sales contracts as well as create subsequent orders (call-offs) for these contracts.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-SD (<i>Sales and Distribution for Retail & Fashion</i>)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

Use the following business catalog, group, and role to access the corresponding apps from SAP Fiori home page:

Business Group	Business Catalog	Business Roles
SAP_RFM_BCG_ORD_FLFMT_SPE	SAP_RFM_BC_ORD_FLFMT_SPE	SAP_BR_ORD_FULLFILMNT_SPE_R

Effects on Customizing

To create a provisional contract, you must select the *Provisional Document* checkbox for the document type *FCQ (Fashion Qty Contract)* in the Customizing for *Sales and Distribution* under ► *Sales* ► *Sales Documents* ► *Sales Document Header* ► *Maintain Sales Document Types for Fashion Management* ►.

Related Information

[Manage Provisional Sales Contracts - Fashion](#)

15.1.3.2.5 Monitor Sales Order Progress - Fashion

With this app you can monitor the status, that is, the overall progress of account assigned sales orders. This application allows you to identify the conditions based on quantity and status. It checks for exceptions and helps you take informed decisions and necessary actions.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-SD (<i>Sales and Distribution for Retail & Fashion</i>)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

Use the following business catalog, group, and role to access the corresponding apps from SAP Fiori home page:

Business Group	Business Catalog	Business Roles
SAP_RFM_BCG_ORD_FLFMT_SPE	SAP_RFM_BC_ORD_FLFMT_SPE	SAP_BR_ORD_FULLFILMNT_SPE_R

Related Information

[Monitor Sales Order Progress - Fashion](#)

15.1.3.2.6 Monitor Mass Changes - Order Fulfillment

With this app you can display all required details of the logs for the changes scheduled for the selected open sales documents. The changes can then be easily analyzed from the log to improve usability.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-SD (<i>Sales and Distribution for Retail & Fashion</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

Currently, you can navigate to this app only from the **Manage Sales Documents - Fashion** app. There is no separate launchpad tile to launch this Fiori application.

Effects on System Administration

Use the following business catalog, group, and role to access the corresponding apps from SAP Fiori home page:

Business Group	Business Catalog	Business Roles
SAP_RFM_BCG_ORD_FLFMT_SPE	SAP_RFM_BC_ORD_FLFMT_SPE	SAP_BR_ORD_FULLFILMNT_SPE_R

Related Information

[Monitor Mass Changes - Order Fulfillment](#)

15.1.3.2.7 Supply Demand Overview - Flexible Analysis

This app now offers a Web Dynpro version (**Fiori ID: W0178**) along with a Design Studio version (**Fiori ID: F3388**). Starting with SAP S/4HANA 2021, the Design Studio version of this app is deprecated.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-ARN (Order Allocation Run)
Valid as Of	SAP S/4HANA 2021

Effects on Existing Data

This app is the successor of the **Supply Demand Overview – Flexible Analysis (F3388)** app. The **Supply Demand Overview – Flexible Analysis (F3388)** app is deprecated and will be deleted from the SAP Fiori launchpad as of SAP S/4HANA 2022. The deprecated app may no longer be available by default on the SAP Fiori launchpad. In this case, you can find it in the app finder until it is deleted. We recommend that you switch to the successor app as soon as possible.

Effects on System Administration

Use the following business catalog, group, and role to access the corresponding apps from SAP Fiori home page:

Business Group	Business Catalog	Business Roles
SAP_RFM_BCG_SUPPDEMND0VW	SAP_RFM_BC_SUPPDEMND0VW	SAP_BR_ORDER_FUL-FILLMNT_MNGR_R

Related Information

[Supply Demand Overview - Flexible Analysis](#)

[Deprecation of SAP Design Studio Apps \[page 1056\]](#)

15.1.3.2.8 OData API: *Supply Assignment Release*

With this feature you can use A_SupplyAssignmentRelease service interface entity to release assignments from *On Hold For Delivery(H)*, *On Reservation(R)* or *Open For Release Check(O)* status to *Ready For Delivery(F)* or *On Hold For Delivery(H)*.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-ARN (<i>Order Allocation Run</i>)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

To use this feature, you need to activate the business function SUPPLY_ASSIGNMENT_01.

For more information on the business function, see [Supply Assignment \(ARun\)](#)

Related Information

[Supply Assignment Release](#)

15.1.3.2.9 OData API: *Supply Assignment Block*

With this feature you can use `A_SupplyAssignmentBlock` service interface entity to block assignments from *Ready For Delivery(F)* or *On Hold For Delivery(H)* status to *On Reservation(R)* or *On Hold For Delivery(H)*.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-ARN (<i>Order Allocation Run</i>)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

To use this feature, you need to activate the business function `SUPPLY_ASSIGNMENT_01`.

For more information on the business function, see [Supply Assignment \(ARun\)](#)

Related Information

[Supply Assignment Block](#)

15.1.3.2.10 OData API: *Demand Documents Assignment*

With this feature you can use `A_ARunDemandAssignment` service interface entity to assign open demand with the open supply that is available with respect to the configurations or settings maintained in the supply assignment rule.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-ARN (Order Allocation Run)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

To use this feature, you need to activate the business function `SUPPLY_ASSIGNMENT_01`.

For more information on the business function, see [Supply Assignment \(ARun\)](#)

Related Information

[Demand Documents Assignment](#)

15.1.3.2.11 Quantity Rounding in Supply Assignment Release Check Process

With this feature you can specify how the assigned quantity must be rounded based on the sales unit (sales order unit of measure (UoM)) or delivery unit (delivery unit of measure). The release check calculations are then performed on this rounded value.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-ARN (Order Allocation Run)

Additional Details

Additionally, you can specify how the excess assigned quantity resulting from the quantity rounding process must be managed.

You can also maintain a static rounding profile for a material or an article. If maintained, this rounding profile is applied to the rounded quantity during the release check run.

Effects on System Administration

To use this feature, you need to activate the business function `SUPPLY_ASSIGNMENT_01`.

For more information on the business function, see [Supply Assignment \(ARun\)](#).

Effects on Customizing

To enable quantity rounding, you must select a strategy from the [Quantity Rounding Strategy](#) dropdown in the **ARUNITA** tool (background mode), **Configure Release Check Variant** app, or the **Schedule Release Check Run** app.

To handle the excess assigned quantity, you must select an option from the [Manage Excess Assigned Quantity](#) dropdown in the **ARUNITA** tool (background mode), **Configure Release Check Variant** app, or the **Schedule Release Check Run** app.

Related Information

[Configure Release Check Variant](#)
[Release Check Run](#)
[Release Check Run - Detailed Analysis](#)

15.1.3.2.12 Dynamic Release Check Levels in Supply Assignment Release Check Process

With this feature, you can trigger dynamic release check calculations on the aggregated assigned quantities at the document and document item levels using demand grouping rules.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-ARN (Order Allocation Run)
Valid as Of	SAP S/4HANA 2021

Additional Details

To use this feature, you must first define a document level or document item level demand grouping rule in the **Configure Demand Grouping Rule** Fiori application. You must then enter the corresponding grouping rules for [Document Group\(Grouping Rule\)](#) and [Item Group\(Grouping Rule\)](#) in the **ARUNITA** tool, **Configure Release Check Variant** app, or the **Schedule Release Check Run** app to trigger the dynamic release check process.

Dynamic release check calculations can be triggered only if the grouping rule and the minimum release check percentage is specified. If one of the parameters is missing, the dynamic release check calculations cannot be executed.

Effects on System Administration

To use this feature, you need to activate the business function `SUPPLY_ASSIGNMENT_01`.

For more information on the business function, see [Supply Assignment \(ARun\)](#).

Related Information

[Configure Release Check Variant](#)
[Release Check Run](#)
[Release Check Run - Detailed Analysis](#)

15.1.3.2.13 Clear Temporary Assignments

With this feature you can clear or retain the existing temporary assignments each time requirement documents are selected for the assignment process.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-ARN (Order Allocation Run)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

To use this feature, you need to activate the business function `SUPPLY_ASSIGNMENT_01`.

For more information on the business function, see [Supply Assignment \(ARun\)](#).

Effects on Customizing

To clear or retain the existing temporary assignments, you must select a level from the [Clear Assignments \(Level\)](#) dropdown in the **Schedule Temporary Assignments** app or the **Supply Demand Overview - Temporary Assignment of Demand and Supply** report.

Related Information

[Temporary Assignment in Supply Assignment](#)
[Schedule Temporary Assignments](#)

15.1.3.2.14 Monitor Supply Assignment Demand Enhancements

With this app, you can now also do the following:

- Assign open quantities to requirements.
- Transfer assignments to target documents based on percentage.
- Create outbound deliveries for different demand documents containing assignment.
- Perform the release and block of assignments for different demand documents containing assignment.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-ARN (Order Allocation Run)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

Use the following business catalog, group, and role to access the corresponding apps from SAP Fiori home page:

Business Group	Business Catalog	Business Roles
SAP_RFM_BCG_SUPPDEMND0VW	SAP_RFM_BC_SUPPDEMND0VW	SAP_BR_ORDER_FUL-FILLMNT_MNGR_R

Related Information

[Monitor Supply Assignment Demand](#)

15.1.3.2.15 Supply and Demand Cockpit Enhancements

With this app, you can use the **My Situations** card to display details of order items of the selected situation for which the accessing user is responsible.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	LO-RFM-ARN (<i>Order Allocation Run</i>)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

You can view the **My Situations** card on this app based on the roles assigned to your user.

Use the following business catalog, group, and role to access the corresponding apps from SAP Fiori home page:

Business Group	Business Catalog	Business Roles
SAP_RFM_BCG_SUPPDEMNDVW	SAP_RFM_BC_SUPPDEMNDVW	SAP_BR_ORDER_FUL-FILLMNT_MNGR_R
		SAP_BR_ORD_FULLFILMNT_SPE_R

Related Information

[Supply and Demand Cockpit](#)

15.1.3.2.16 Fashion Enablement in Standard Procurement and Inventory Management Apps

With these standard apps, you can now display fashion related information.

Apps include:

- **Material Price Variance (F3294)**
- **Mass Changes to Purchase Orders (F2593)**

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable

Additional Details

- **Material Price Variance** app now displays other fashion relevant details such as *Season Year*, *Season*, *Collection*, *Theme*, and *Stock Segment*.
- **Mass Changes to Purchase Orders** app now displays the fashion relevant fields such as *Generic Product*, *Product Characteristic 1*, *Product Characteristic 2*, *Product Characteristic 3*, *Season Year*, *Season*, *Collection*, *Theme*, and *Stock Segment*.

Effects on System Administration

- To use this feature, you need to activate the business function `ISR_RETAILSYSTEM`. For more information on the business function, see [Retail](#).
- Use the following business catalog, group, and role to access the corresponding apps from SAP Fiori home page:

Name of the App	Business Group	Business Catalog	Business Roles
Material Price Variance	SAP_PRC_BCG_PURCH_AN- ALYTICS	SAP_PRC_BC_PURCH_AN- ALYTICS	SAP_BR_BUYER
	SAP_MM_BCG_PRC_OVP_ PC	SAP_MM_BC_PRC_OVP_P C	SAP_BR_PURCHASER
	SAP_MM_BCG_PUR_ANA- LYTICS_PC		
Mass Changes to Purchase Orders	SAP_PRC_BCG_PUR- CHASER_PO	SAP_PRC_BC_PUR- CHASER_PO	SAP_BR_PURCHASER

Related Information

[Fashion Enablement in Standard Procurement and Inventory Management Apps](#)

15.1.3.2.17 Multi Ship-to Order Enhancements

With this feature you can now also do the following:

- Include main multi ship-to order (MSO) documents that contain rejected items, that is, documents with some items in rejected status during explosion.
- Enable the system to allow reduction of quantities in the child MSO documents.
- Transfer the requirement of the rejected item from the child MSO document back to the main MSO document when an item is rejected from the child MSO.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-SD (<i>Sales and Distribution for Retail & Fashion</i>) LO-RFM-PUR (<i>Purchasing</i>)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

To use this feature, you need to activate the business function `ISR_RETAILSYS`.

For more information on the business function, see [Retail](#).

Effects on Customizing

- To include main multi ship-to order (MSO) documents that contain rejected items during explosion, you can select the *Inc. Docs with Rejected Items* checkbox in the **MSO Explosion Report** (FSH_MSO).
- To allow reduction of quantities in the child MSO document, you must select the *Allow Quantity Reduction in Child MSO* checkbox in the Customizing for *Sales and Distribution* under **Sales > Sales Documents > Maintain Sales Documents Types for Fashion Management**.
- To transfer the requirement of the rejected item from the child MSO document back to the main MSO document, you must select the *Transfer Rejected Requirements* checkbox in the Customizing for *Sales and Distribution* under **Sales > Sales Documents > Maintain Sales Documents Types for Fashion Management**.

Related Information

[Exploding Main Multi Ship-to Order](#)

15.1.3.2.18 Manage Sales Documents - Fashion Enhancements

With this app you can now also do the following:

- Perform a simultaneous mass update for fields of a sales document on header and item level.
- Perform repricing for the selected open sales document items.
- Perform availability check for the selected open sales document items.
- Navigate to **Monitor Mass Changes - Order Fulfillment** app using the [Job Overview](#) button.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-SD (Sales and Distribution for Retail & Fashion)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

Use the following business catalog, group, and role to access the corresponding apps from SAP Fiori home page:

Business Group	Business Catalog	Business Roles
SAP_RFM_BCG_ORD_FLFMT_SPE	SAP_RFM_BC_ORD_FLFMT_SPE	SAP_BR_ORD_FULLFILMNT_SPE_R

Related Information

[Manage Sales Documents - Fashion](#)

15.1.3.2.19 Value-Added Services Item Group Increment

With this feature you can specify the required value by which the VAS item group is to be increased.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-SD (<i>Sales and Distribution for Retail & Fashion</i>) LO-RFM-PUR (<i>Purchasing</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can enter a value that consists of a maximum of 3 digits. If the field is left blank, the default value of **10** is used as the increment value. For sales orders with very large data sets, small increment values can be used.

Effects on System Administration

To use this feature, you need to activate the business function `ISR_RETAILSYSTEM`.

For more information on the business function, see [Retail](#).

Effects on Customizing

You can use the *VAS Group Increment* option in the Customizing for *Sales and Distribution* under ► [Sales](#) ► [Sales Documents](#) ► [Sales Document Header](#) ► [Maintain Sales Document Types for Fashion Management](#) ►.

Related Information

[Value-Added Services in Sales Documents](#)

15.1.3.2.20 Data Management in Fashion

New data destruction object has been added to SAP S/4HANA for fashion and vertical business. You can use the data destruction object that is delivered to destroy the unwanted sales document order fulfillment application job logs that were created using the **Manage Sales Documents - Fashion** app.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-SD (<i>Sales and Distribution for Retail & Fashion</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

Use the data destruction object RFM_SD_ORDFLFMTAPPLJOB_DESTR assigned to the data destruction program RFM_SD_ORDFLMT_APPLJOB_LOG_DEL to destroy the unwanted job logs that were created using the **Manage Sales Documents - Fashion** app.

You can execute the data destruction program using the transaction ILM_DESTRUCTION (Data Destruction). When you execute the program, all entries in the tables that are defined in the data destruction object are destroyed.

Effects on System Administration

To use this feature, you need to activate the business function ISR_RETAILSYSTEM.

For more information on the business function, see [Retail](#).

Related Information

[Data Destruction in Omnichannel Order Management - Monitor Mass Changes \(Order Fulfillment\)](#)

15.1.3.2.21 Manage Master Production Orders - Fashion

With this app you can view the details of production orders at master, individual and combined production order levels. In addition, you can use this app to create master production orders from individual production orders and combined production orders from master production orders.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-PP (<i>Production Planning for Fashion</i>)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

Use the following business catalog, group, and role to access the corresponding apps from SAP Fiori home page:

Business Group	Business Catalog	Business Roles
SAP_RFM_BCG_MAN_FAPE	SAP_RFM_BC_PRODN_ORD_MGMT	SAP_BR_PRODN_SUPERVISOR_RFM

Related Information

[Manage Master Production Orders - Fashion](#)

15.1.3.2.22 Flexible Segmentation

With this feature you can maintain different segmentation strategies that belong to the same segmentation structure at different plants for an article or a material in article master or material master using dialog, API or the *Segmentation Setup (SGT_SETUP)* tool.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-SGT (Segmentation)
Valid as Of	SAP S/4HANA 2021

Additional Details

For articles, you can also perform flexible segmentation through BAPI ([BAPI_MATERIAL_MAINTAINDATA_RT](#)), IDOC ([ARTMAS](#)), [MM47](#) and any other article master transactions.

For materials, you can also perform flexible segmentation through BAPI ([BAPI_MATERIAL_SAVEDATA](#)), IDOC ([MATMAS](#)), [MM17](#) and any other material master transactions.

Using [SGT_SETUP](#), you can assign segmentation structure or strategy at client (basic data) level, assign segmentation strategy at plant level and unassign segmentation details at both client and plant levels for a material or an article.

Effects on System Administration

To use this feature, you need to activate the business function [LOG_SEGMENTATION](#).

Related Information

[Segmentation Setup](#)

[Define Segmentation Setup](#)

[Segmentation: Enhancements to Article Master](#)

[Segmentation: Enhancements to Material Master](#)

15.1.3.2.23 Integration of SAP Product Lifecycle Costing with Retail Articles

With this feature you can use retail articles with **SAP Product Lifecycle Costing** to calculate costs and other dimensions for new products or quotations at an early stage in the product lifecycle, quickly identify cost drivers along the lifecycle, and easily simulate and compare alternatives.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-PP (<i>Production Planning for Fashion</i>)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

To use this feature, you need to activate the business function `ISR_RETAILSYSTEM`.

For more information on the business function, see [Retail](#).

Related Information

[Integration of SAP Product Lifecycle Costing with Fashion](#)

15.1.3.2.24 Season Workbench Enhancements

With this feature you can assign or maintain season information for materials or articles relevant for segmentation with segmentation strategy scope 2 (only requirement segment maintained).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-CA-SE (<i>Fashion Cross Application Functionality - Season</i>)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

To use this feature, you need to activate the business function `ISR_RETailsystem`.

For more information on the business function, see [Retail](#).

Related Information

[Season Workbench](#)

[Segmentation: Enhancements to Article Master](#)

15.1.3.2.25 Integration of Digital Manufacturing Cloud for Insights with Retail Articles

With this feature you can use retail articles with **SAP Digital Manufacturing Cloud for Insights** to do analysis of manufacturing performance within and across manufacturing plants of enterprise.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	LO-RFM-PP (<i>Production Planning for Fashion</i>)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

To use this feature, you need to activate the business function `ISR_RETAILSYSTEM`.

For more information on the business function, see [Retail](#).

Related Information

[Integration of Digital Manufacturing Cloud for Insights with Fashion](#)

15.1.3.2.26 Collective Conversion of Planned Orders to Production Orders

With this feature you can navigate directly to **Production Control Workbench** in display or change mode from the **Collective Conversion (CO41)** tool for master planned orders. You can also navigate directly to display or change mode for planned orders from the **Collective Conversion (CO41)** tool.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-PP (<i>Production Planning for Fashion</i>)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

To use this feature, you need to activate the business function `ISR_RETAILSYSTEM`.

For more information on the business function, see [Retail](#).

Related Information

[Collective Conversion of Planned Orders to Production Orders](#)

15.1.3.27 Segmentation for Configurable Materials (KMAT)

With this feature you can assign segmentation to configurable materials or single articles.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-SGT (Segmentation)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

To use this feature, you need to activate the business function LOG_SEGMENTATION.

Related Information

[Segmentation: Enhancements to Article Master](#)

[Segmentation: Enhancements to Material Master](#)

15.1.3.2.28 Material in Cost Estimate Without Quantity Structure

With this feature you can now create cost estimates based on valuation types for segmented and split valuated materials. You can also create cost estimates based on valuation types for segmented and split valuated materials for multilevel unit costing.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-SGT (Segmentation)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

To use this feature, you need to activate the business function `ISR_RETAILSYSTEM`.

For more information on the business function, see [Retail](#).

Related Information

[Material Cost Estimate Without Quantity Structure](#)


15.1.3.2.29 OData API: *Default Segment Value Maintenance*

This service enables you to maintain default segment values for applications such as sales order, purchase order requirement segment, purchase order stock segment, purchase requisition requirement segment, purchase requisition stock segment, planned order, production order, safety stock, outline agreement, and planned independent requirements. You can also maintain the valid or dynamic segment values for the corresponding application.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-SGT (<i>Segmentation</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

This API is available on the SAP API Business Hub (<https://api.sap.com> .

Effects on System Administration

To use this feature, you need to activate the business function `LOG_SEGMENTATION`.

Related Information

[Default Segment Value Maintenance](#)

15.1.3.2.30 Fashion Enablement in Standard Manufacturing Apps

With these standard apps you can now display fashion manufacturing related information.

Apps that have been enhanced with the fashion information include:

- Production Execution Duration (F2172)
- Operation Scrap (F2034)
- Scrap Reason (F2216)
- Manage Material Valuations (F2680)
- Manage Production Order (F2336)
- Manage Production Operations (F2335)

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-PP (<i>Production Planning for Fashion</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

- **Production Execution Duration** application now displays the fashion relevant fields such as *Generic Product, Product Characteristic 1, Product Characteristic 2, Product Characteristic 3, Master Production Order, Combined Production Order, Season Year, Season, Collection, Theme, and Stock Segment*.
- **Operation Scrap** application now displays the fashion relevant fields such as *Generic Product, Product Characteristic 1, Product Characteristic 2, Product Characteristic 3, Master Planned Order, Season Year, Season, Collection, Theme, Critical Component, Critical Level, and Stock Segment*.
- **Scrap Reason** application now displays the fashion relevant fields such as *Generic Product, Product Characteristic 1, Product Characteristic 2, Product Characteristic 3, Master Planned Order, Season Year, Season, Collection, Theme, Critical Component, Critical Level, and Stock Segment*.
- **Manage Material Valuations** application now displays the fashion relevant fields such as *Generic Product, Product Characteristic 1, Product Characteristic 2, and Product Characteristic 3*.
- **Manage Production Order** application now displays the fashion relevant fields such as *Generic Product, Product Characteristic 1, Product Characteristic 2, Product Characteristic 3, Master Production Order, Season Year, Season, Collection, Theme, and Stock Segment*.
- **Manage Production Operations** application now displays the fashion relevant fields such as *Generic Product, Product Characteristic 1, Product Characteristic 2, Product Characteristic 3, Master Production Order, Season Year, Season, Collection, Theme, and Stock Segment*.

Effects on System Administration

To use this feature, you need to activate the business function `ISR_RETAILSYSTEM`.

For more information on the business function, see [Retail](#).

Related Information

[Fashion Enablement in Standard Manufacturing Apps](#)

15.1.3.2.31 Batch Characteristics Information in Stock Assignment Screen of Production Control Workbench

With this feature you can display the batch characteristics information such as color, length, and width in the [Stock Assignment](#) screen of **Production Control Workbench**. This enables you to select the right batch for assignment.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-PP (Production Planning for Fashion)
Valid as Of	SAP S/4HANA 2021

Effects on System Administration

To use this feature, you need to activate the business function `ISR_RETAILSYSTEM`.

For more information on the business function, see [Retail](#).

15.1.3.2.32 Segmentation Integration with Process Order

This feature helps you in categorizing products in the process industries according to specific criteria or characteristics.

Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	Not applicable
Application Component	LO-RFM-PP
Valid as Of	SAP S/4HANA 2021 FPS0

Additional Details

You can maintain the stock segment for the process order.

Related Information

[Process Orders](#)

15.1.3.2.33 Support of Standard Material in Production Control Workbench

This functionality allows you to manage the production process for standard materials using the production control workbench.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-PP
Valid as Of	SAP S/4HANA 2021 FPS0

Related Information

[Production Control Workbench](#)

15.1.3.2.34 Supporting Seasons for Master Orders in Production Control Workbench

This feature enables you to maintain the valid season for planned orders and production orders in a master planned and master production order using production control workbench.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-PP
Valid as Of	SAP S/4HANA 2021 FPSO

Related Information

[Master Planned Orders](#)

[Master Production Orders](#)

15.1.3.2.35 Maintain Production Version for Master Order in Production Control Workbench

This feature enables you to modify the production version for planned orders and production orders in a master planned and master production order using production control workbench.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-PP
Valid as Of	SAP S/4HANA 2021 FPS0

Additional Details

You can modify the production version during conversion of master planned order to master production order.

Related Information

[Master Planned Order](#)

[Master Production Order](#)

15.1.3.2.36 Segmentation Support for Non-Stock Items in Fashion Bill of Material

This feature allows you to maintain segmentation for BOM line items with non-stock item categories and material provided as a component for the line item.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-SGT

15.1.3.2.37 Printing Master Production Order with Aggregated information

With this feature, you can get the individual order as well as aggregated information of a pull list in the print pdf at master order level based on your requirement.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-PP
Valid as Of	SAP S/4HANA 2021 FPS0

Additional Details

The printing of production orders from transaction code CO04N will be done as follows, based on your parameter values.

When master order exists:

User Parameter	PDF to be Printed
Space	Same as it is happening in the lower releases
1	Individual with master order aggregated pdf
2	Master order aggregated pdf only

Related Information

[Print Production Orders \(in Mass Processing\)](#)

15.1.3.2.38 Display Segmentation and Fashion Information in Level by level BOM Explosion

With this feature you can display level by level BOM (CS11H) , multilevel BOM (CS12H) , and summarized BOM (CS13H) related information. Enhanced features include:

- Navigation through different segments
- Navigation through different variants
- Stock keeping unit information in header and item table
- Segment information in header and item table

Technical Details

Type	Changed
Functional Localization	Not Applicable
Scope Item	Not Applicable
Application Component	LO-RFM-SGT
Valid as Of	SAP S/4HANA 2021 FPS0

15.2 Discrete Industries

15.2.1 Automotive

15.2.1.1 Vehicle Management System

15.2.1.1.1 Integration of Vehicle Management System with Advanced Variant Configuration

With this release, Vehicle Management System (VMS) integrates with advanced variant configuration (AVC). The following new functions have been included:

- **Choice between Classical Variant Configuration and Advanced Variant Configuration:** You can opt for either the classical variant configuration or advanced variant configuration at the material configuration profile level; both configurators can co-exist in the system.
- **BAdI for Determining Application Data Sent to AVC:** A new Business Add-In (BAdI) helps to decide the VMS application data to be sent to the AVC interface.

- **Setting Values of Reference Characteristic:** Values of the reference characteristic are preset upon display of the configuration screen.
- **Display of Vehicle Details on the AVC User Interface:** The AVC user interface shows the following information: Vehicle model, vehicle class, plant, number of selected vehicles, action name, net price of new vehicle, and net price of used vehicle if calculation sheet is maintained.
- **Simultaneous Configuration of Multiple Vehicles:** A new action (CCFG) allows you to change the configuration of multiple vehicles together. An action screen allows you to compare the existing configuration with the modified configuration and verify the configuration changes before saving.
- **Possibility to Assign the Number Range to Used Models:** It is now possible to assign the number range to used models in transaction VELOMNR.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-A-VMS
Available As Of	SAP S/4HANA 2021

Effects on Customizing

The following new BAdI node has been included in the SAP Customizing Implementation Guide under [► Logistics Execution ► Vehicle Management System \(VMS\) ► Business Add-Ins \(BADIs\) ► Vehicle Configuration ► BAdI for Providing Data to AVC](#) . You use this BAdI for providing VMS application data to AVC.

Related Links

For more technical details, refer to the following SAP Notes:

- [3038894](#) - Mapping VMS data to reference characteristic
- [3033874](#) - Passing Data to AVC
- [3038943](#) - Adjustment of FIORI configuration screen for VMS vehicle

15.2.1.1.2 Multiple Address Handling in Vehicle Management System Using SAP Business Partner

With this feature, you enable applications and documents across the vehicle management system (VMS) process and beyond to consume parts of the SAP Business Partner data model that can provide multiple addresses with time-dependent validities and address-dependent data per BP master record.

This reduces data redundancies as compared to the standard customer master data model in SD that allows only one standard customer address per BP master record. It requires the activation of the business functions [Multiple Address Handling for Customer Master Data in Business Partner](#) and [Multiple Address Handling for Business Partners in Sales and Distribution](#).

For detailed information and general prerequisites, see [Multiple Address Handling in SD Documents Using SAP Business Partner](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-A-VMS
Available As Of	SAP S/4HANA 2021

Additional Details

With multiple address handling, you can increase the flexibility and efficiency with which the system handles business partner addresses in applications and documents (for example, sales orders and billing documents) across VMS and some other parts of the system.

When multiple address handling is not active, the system uses the standard customer master data model for VMS, which can only store a single customer address per customer master record. A legal entity with N addresses is therefore typically maintained as N parallel customer master records assigned to the same number of business partner (BP) master records. This in turn leads to data redundancies, because the same legal entity is often represented in the system multiple times, once for each physical address.

i Note

These are irreversible business functions. Once activated, these cannot be deactivated. However, there should be no disruptive effects. The immediate impact of business function activation is that partner functions in newly created SD documents will reference addresses maintained in BP master data records instead of the standard addresses maintained in customer master data records.

Note that no business data is changed, and that the system will still be able to process SD documents created before business function activation, which reference addresses in customer master data records.

For more information about the recommended order of activation and additional preparatory steps, see Prerequisites under [Multiple Address Handling in SD Documents Using SAP Business Partner](#).

15.3 Energy & Natural Resources

15.3.1 Oil & Gas

15.3.1.1 Downstream

15.3.1.1.1 Inventory Planning Workbench

With this feature you can do the following:

- Navigate to Scheduling Assistant (App directly opens in a new tab) to view the source options for the global simulations and nominations created.
- The following rebrand movement scenarios are now feasible to be scheduled in the app:
 - Rebrand at Origin
 - Rebrand at Destination
 - In-Tank Rebrand

The inventory for the demand and schedule material are updated accordingly for each of the movement scenarios.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-OIL-DS-TSW (<i>Trader's and Scheduler's Workbench</i>)
Valid as Of	SAP S/4HANA 2021

Effects on Customizing

Maintain the relevant Customizing under ► [Industry Solution Oil & Gas \(Downstream\)](#) ► [TSW \(Trader's and Scheduler's Workbench\)](#) ► [Inventory Cockpit](#) ► [Basic Settings](#) ► [Maintain Schedule Type Values for In-Tank Material Rebrand](#) ►

Related Information

[Inventory Planning Workbench](#)

15.3.1.1.2 Scheduling Assistant

With this feature you can do the following

- Publish completed simulations directly without the need to navigate to IPW.
- Select and delete multiple simulations.
- Save source option for a demand, and the corresponding partners are persistent.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-OIL-DS-TSW (Trader's and Schedulers Workbench)
Valid as Of	SAP S/4HANA 2021

Related Information

[Scheduling Assistant](#)

15.3.1.2 Production and Revenue Accounting


Technical Details

Type	New
Functional Localization	Not applicable, PRA is a U.S.-only solution.
Scope Item	5NM (Revenue Accounting - Oil and Gas Production)
Application Component	IS-OIL-PRA (<i>Industry Solution - Oil and Gas - Production and Revenue Accounting</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

New features released in 2021:


- Business Roles assigned to FIORI Launch Pad (FLP) tiles for PRA transactions
- Accounting cycle/period for new company code
- 26 PRA data migration applications provisioned in the Data Migration Cockpit
- 3 additional states added to the Generic Royalty 2.0 Report

These features, along with the functional user interface changes, are described in more detail in SAPNote [3070918](#) .

Effects on Existing Data

These effects are described in more detail in Tank Strapping under Decoupling IS-OIL downstream features in SAPNote [3070918](#) .

Effects on System Administration

These effects are described in more detail in Authorization Object under Decoupling IS-OIL downstream features in SAPNote [3070918](#) .

Related Information

[SAP Note 3070918](#) .

15.3.2 Utilities

15.3.2.1 Utilities for Customer Engagement

15.3.2.1.1 Harmonization of Contract Account Data Model

With this feature you are able to use the harmonized version of the contract account with the business agreement. The additional customizing of the business agreement is no longer necessary. You are now able to select a contract account category during the creation process of the contract account.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IU (<i>S4CRM: Utilities Industrie</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

With the new harmonization, the old business agreement object including customizing is obsolete. It can still be used, but it has been largely replaced by the new utilities contract account, which (almost) completely represents the FI-CA contract account.

Two new objects are introduced:

- Utilities Contract Account Header (UCAH) → figure table: FKKVK
- Utilities Contract Account Partner (UCAP) → mapping table: FKKVKP

Effects on Existing Data

The following customizing entries are obsolete:

- IMG under: ► [Service](#) ► [Master Data](#) ► [Contract Account](#) ► [Subfolders](#) ►
- Transaction SNRO: BUAG + number ranges
- Transaction SM30
 - TFK_BUAG_REF

- TFK_MAP_KOFIZ_SD
- TFK_MAP_ZAHLKOND
- TFSC_MAP_KOFIZ
- TFSC_MAP_ZAHLKD

Effects on Customizing

For delivered role S4C_UT_IC customizing for harmonized contract account is already pre-set.

If the customer uses a different role, for example a Z-role, the customizing has to be done manually by the customer under ► [Service](#) ► [UI Framework](#) ► [Technical Role Definition](#) ► [Navigation Bar Profile](#) ►:

1. Select profile and navigate to folder [Define Generic Outbound Plug Mappings](#)
2. Change the mapping for object type BUAG
 1. Select in column [Obj.Action](#) the object action [Display](#)
 2. Select in column [LogiLink ID](#) the logical link ID S4CUTUCAPB
 3. Select in column [Obj.Action](#) the object action [Edit](#)
 4. Select in column [LogiLink ID](#) the logical link ID S4CUTUCAPC

15.3.2.1.2 See Details and Detail Overviews of Contracts, Business and Technical Datas in Trees

With this feature you are able to view details about IS-U and sales contracts by clicking on the contract item in the result list of the identification screen. Details can be also viewed for technical objects like installation, register and device. Additionally detail views can be opened by clicking on the IDs of the objects directly from Interaction center. Within the overviews the user will find links, which can be used to navigate from one overview to another.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IU (S4CRM: Utilities Industrie)
Available As Of	SAP S/4HANA 2021

Additional Details

Details and detail overviews are based on "forms", which enable the composition of individual UI components and views by customizing alone. This enables the user to easily adapt the interface design to customer-specific requirements. The individual UI fragments can easily be exchanged or extended and adapted for project-related purposes.

A form includes a predefined behavior such as the presentation of a business object, the query of data and its presentation or the selection options for an object. Different types of forms are available for this purpose.

Standard settings:

- Simple Form - display of a UI view (component + window + inbound plug)
- Overview Form - combination of several forms (technical overview page) and common presentation
- Tree Formt - Query data (via BOL query) and display in a tree or list (BOL tree)
- Switchable Form - Combination of several forms and representations of exactly one form according to a given calculation or switch (e.g. object type)
- Combined Form (Tree / Switch) - combination of tree and switchable form, selection in the tree the switch form is passed on

Effects on Customizing

► [SAP Utilities](#) ► [Customer Engagement](#) ► [General Functions](#) ► [Define Forms](#) ►

► [SAP Utilities](#) ► [Customer Engagement](#) ► [General Functions](#) ► [Override the Form Definition](#) ►

15.3.2.1.3 Saved Searches for Products Selection of Sales Contract Management

With this feature you are able to select product search criteria during sales contract management and save the search for your user or across the role your user is having. The saved searches will be displayed in a list of saved searches containing all saved searches of the user and the role together.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	CRM-S4-IU (<i>S4CRM: Utilities Industrie</i>)
Available As Of	SAP S/4HANA 2021

15.3.2.1.4 See Disconnection/Reconnection Documents in Tree

With this feature views related to disconnection/reconnection are available from Interaction center. They can be viewed in the technical data tree and from the premise overview. A detail overview can be accessed by clicking on the ID of the disconnection document within the data tree.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IU (<i>S4CRM: Utilities Industrie</i>)
Available As Of	SAP S/4HANA 2021

Related Information

15.3.2.1.5 Product Attributes and Time Slices in Sales Contract Management

With this feature you are able to select a product during sales contract management process based on the product attributes. For time sliced product attributes you are able to collect those time based information.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IU (<i>S4CRM: Utilities Industrie</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Creating Characteristics for Product Attributes](#)
[Creating Characteristics for the Time Slices of Product Attributes](#)
[Utilities Product Integration Layer](#)

15.3.2.1.6 Show Relevant Service Orders in Business and Technical Data Environment

With this feature you are able to see S/4HANA Service Orders in the trees of Interaction center, including the option to navigate to the detail overviews.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IU (<i>S4CRM: Utilities Industrie</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Integration with SAP Field Service Management](#)

15.3.2.1.7 Access Billing and Invoicing Documents and PDFs from Interaction Center

With this feature you have the option to incorporate utilities bills into Convergent Invoicing (CI), in addition to "classic" IS-U invoices the CI invoice are displayed in a respective view of identification screen (invoicing documents, billing documents, PDF)

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IU (<i>S4CRM: Utilities Industrie</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

- See "classic" IS-U invoices and CI invoices in one folder.
- Allow navigation from CI invoice to FI-CA app to show its details (incl. invoiced billing document)
- See billing documents that have not been invoiced in separate folder. Otherwise see billing documents below the corresponding invoice.

Related Information

[Processing CI Invoicing Documents in IS-U Invoicing](#)

15.3.2.1.8 Change IS-U Move-In/Out Date and Cancel Move-In/Out Using One-Click Actions in Interaction Center

With this feature you are able to use one-click actions at the IS-U contract item from identification screen, to execute the processes "Change Move-In Date" and "Change Move-Out Date" as well as "Cancel Move-In" and "Cancel Move-Out".

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IU (<i>S4CRM: Utilities Industrie</i>)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

The function of changing the move-in and move-out date is defined as a form (UCT_MOVEIN_MOVEOUT) with a form overview (UCT_OV_CHANGE_MI_DATE, UCT_OV_CHANGE_MO_DATE).

Details can be found under customizing entry ► [SAP Utilities](#) ► [Customer Engagement](#) ► [General Functions](#) ► [Define Forms](#) ►

15.3.2.1.9 Show Dialog and Configure Displayed Text When Executing One-Click-Actions

With this feature you are able to display a dialog to ask the user if the one-click action should be executed. The text of the dialog, which is displayed when the user executes a one-click action like for example "Cancel Move-In" or "Cancel Move-Out" for IS-U contracts, can be configured.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IU (<i>S4CRM: Utilities Industrie</i>)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

The text can be changed by inserting an OTR text or general text under [SAP Utilities > Customer Engagement > General Functions > Define Action Profiles](#). Select an action profile and go to [Define Action](#) → [Define Action Parameter](#), here you can enter the OTR text or general text under [Confirm Text Alias](#).

Related Information

[Value Calculation for One Click Actions, BOL Trees and Summary Texts](#)

15.3.2.1.10 Billing Simulation During Contract Management Process

With this feature you are able to execute a cost calculation simulation based on the product attributes and the entered consumption to communicate the result to the customer. The billing simulation can be executed for a selected product and also for second product, to compare the prices.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IU (S4CRM: Utilities Industrie)
Available As Of	SAP S/4HANA 2021

Additional Details

At the forms for the simulation `UPD_SEARCH_COMPARED_PRODUCT` and `UPD_SEARCH_SELECTED_PRODUCT` the default value for the consumption data for the simulation can be deposited. A general default value for all divisions can be stored with the parameter name `DEFAULT.CONSUMPTION01` and for the second consumption `DEFAULT.CONSUMPTION02`. Division dependent values can be stored with the parameter names resulting from the template `DEFAULT.<DIVISION>.CONSUMPTION01` and `DEFAULT.<DIVISION>.CONSUMPTION02`.
Example for division 01 electricity: `DEFAULT.01.CONSUMPTION01`

The general default value and the division dependent can be combined. In this case the division dependent is preferred if specified.

The product search with the billing simulation is available in the following processes:

- New Contract
- Move to other Premise
- Change Product
- Change Contract Item

Effects on Customizing

Form customizing can be found under ► [SAP Utilities](#) ► [Customer Engagement](#) ► [General Functions](#) ► [Define Forms](#) ►

Related Information

[Simulate Bill](#)
[Configuring a Bill Simulation Scenario](#)

15.3.2.1.11 Access Sales Contract Management Processes From Contract Item Overview

With this feature you are able to start all the sales contract management processes which were accessible via menu entry [Utilities Sales Contracts](#) directly from the sales contract item overview. The item overview can be accessed via one-click action [Display Sales Contract Item](#) at every sales contract item within the Interaction center.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IU (S4CRM: Utilities Industrie)
Available As Of	SAP S/4HANA 2021

Related Information

[Utilities Sales Contract Management](#)

15.3.2.1.12 Sales Contract Management - Change Contract Item Process

With this feature you are able to change the details of sales contract items using the guided procedure within one process in the following ways:

- Change premise
- Change contract start date
- Change point of delivery
- Change product
- Change contract account for payment

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IU (<i>S4CRM: Utilities Industrie</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Utilities Sales Contract Management](#)

15.4 Financial Services

15.4.1 Banking

15.4.1.1 Collateral Management (FS-CMS)

15.4.1.1.1 Customizing Structure

The structure of Customizing for Collateral Management (FS-CMS) has changed. To transfer these changes to the project Customizing, you need to re-generate the project Customizing.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-CMS (Collateral Management)
Available As Of	SAP S/4HANA 2021

Additional Details

New Customizing Activity

- [SAP Banking](#) ► [Collateral Management](#) ► [Basel II Interface](#) ► [Maintain Process Settings to Store Calculation Data](#) ►.

For more information, see the documentation for the Customizing activity.

Related Information

[Data Calculation](#)

15.4.1.1.2 Menu Structure

The area menu for Collateral Management (FS-CMS) has changed. The new [Data Calculation](#) report has been added.

From the *SAP Easy Access* screen, choose ► [Collateral Management](#) ► [Periodic Tasks](#) ► [Data Calculation](#) ►.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-CMS (Collateral Management)
Available As Of	SAP S/4HANA 2021

Related Information

[Data Calculation](#)

15.4.1.1.3 Data Calculation

The new [Data Calculation](#) report enables you to store the calculation data and extract it using extraction-enabled CDS views. You can use this report both for the initial and delta calculation of data.

For more information, see SAP Note [3076563](#) and the link below.

From the *SAP Easy Access* screen, choose ► [Collateral Management](#) ► [Periodic Tasks](#) ► [Data Calculation](#) ►.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	FS-CMS (Collateral Management)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

In Customizing for Collateral Management, you have completed the process settings for storing calculation data. Choose ► [SAP Banking](#) ► [Collateral Management](#) ► [Basel II Interface](#) ► [Maintain Process Settings to Store Calculation Data](#) ►.

Related Information

[Data Calculation](#)

15.4.1.1.4 CDS Views for SAP Collateral Management for Banking, SAP S/4HANA edition

Core Data Services (CDS) views for SAP Collateral Management for Banking, SAP S/4HANA edition have now been released.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-CMS (Collateral Management)
Available As Of	S/4HANA 2021

Additional Details

CDS views are now available for **Collateral Management**. The documentation is grouped as follows:

- [Collateral Agreement](#)
- [Collateral Object - Collateral Agreement](#)
- [Collateral Object](#)
- [Receivable](#)
- [Collateral Agreement - Receivable](#)

For more information, see [CDS Views for Collateral Management \(FS-CMS\)](#) below.

Related Information

[View Browser](#)
[CDS Views for Collateral Management \(FS-CMS\)](#)

15.4.2 Insurance

15.4.2.1 Policy Management

15.4.2.1.1 CDS Views for Providing the Latest Application Version of Open Applications

Policy Management now provides Core Data Services (CDS) views that you can use to access basic data of the latest application version of open applications in accordance with the virtual data model (VDM) of Policy Management in SAP S/4HANA.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PM (Policy Management)
Available As Of	SAP S/4HANA 2021

Additional Details

Interface views (basic and composite views) provide the data of the latest application version of open applications. Subject to the release of the CDS views by SAP, you can build your own consumption views for transactional apps or Web API based on this data.

i Note

The data scope of the provided CDS views is aimed at applications in the *P&C* and *Auto* lines of business.

Related Information

[CDS Views for Providing the Latest Application Version of Open Applications](#)

15.4.2.1.2 CDS Views for Providing the Latest Application Version of Applications Affecting In-Force Business

Policy Management now provides Core Data Services (CDS) views that you can use to access basic data of the latest application version of applications affecting in-force business in accordance with the virtual data model (VDM) of Policy Management in SAP S/4HANA.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PM (<i>Policy Management</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

Interface views (basic and composite views) provide the data of the latest application version of applications affecting in-force business. Subject to the release of the CDS views by SAP, you can build your own consumption views for transactional apps or Web API based on this data.

i Note

The data scope of the provided CDS views is aimed at applications in the *P&C* and *Auto* lines of business.

Related Information

[CDS Views for Providing the Latest Application Version of Applications That Affect In-Force Business](#)

15.4.2.1.3 CDS Views for Providing the Latest Policy Version

Policy Management now provides Core Data Services (CDS) views that you can use to access the data of the latest policy version in accordance with the virtual data model (VDM) of Policy Management in SAP S/4HANA.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PM (<i>Policy Management</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

Interface views (basic and composite views) provide the data of the latest policy version. Subject to the release of the CDS views by SAP, you can build your own consumption views for transactional apps or Web API based on this data.

i Note

The data scope of the provided CDS views is aimed at policies in the *P&C* and *Auto* lines of business.

Related Information

[CDS Views for Providing the Latest Policy Version](#)

15.4.2.1.4 CDS Views for Providing the Premium History of a Policy

Policy Management now provides Core Data Services (CDS) views that you can use to access the premium history of a policy in accordance with the virtual data model (VDM) of Policy Management in SAP S/4HANA. This enables you to track the development of the annual premium after tax for each contract of a policy.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PM (Policy Management)
Available As Of	SAP S/4HANA 2021

Additional Details

Interface views (basic and composite views) provide the data of the premium history of a policy. Subject to the release of the CDS views by SAP, you can build your own consumption views for transactional apps or Web API based on this data.

Related Information

[CDS Views for Providing the Premium History of a Policy](#)

15.4.2.1.5 CDS Views for Providing the Product Templates in In-Force Business Configurator

Policy Management now provides Core Data Services (CDS) views that you can use to access the following data of a product template in In-Force Business Configurator in accordance with the virtual data model (VDM) of Policy Management in SAP S/4HANA:

- In-force-business-controlling attributes of a product template
- Language-dependent texts of a product template

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PM (Policy Management)
Available As Of	SAP S/4HANA 2021

Additional Details

Interface views (basic and composite views) provide the data of a product template. Subject to the release of the CDS views by SAP, you can build your own consumption views for transactional apps or Web API based on this data.

Related Information

[CDS Views for Providing the Product Templates in In-Force Business Configurator](#)

15.4.2.1.6 CDS Views for Providing the Insurable Object

Policy Management now provides Core Data Services (CDS) views that you can use to access basic data of the insurable objects in accordance with the virtual data model (VDM) of Policy Management in SAP S/4HANA.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PM (Policy Management)
Available As Of	SAP S/4HANA 2021

Additional Details

Interface views (basic and composite views) provide the data of the insurable objects. Subject to the release of the CDS views by SAP, you can build your own consumption views for transactional apps or Web API based on this data.

Note

The data scope of the provided CDS views is aimed at policies in the [P&C](#) and [Auto](#) lines of business.

Related Information

[CDS Views for Providing the Insurable Object](#)

15.4.2.17 Send a Questionnaire via an Experience Management System

You can use correspondence to send insurance customers a personalized questionnaire in order to receive direct feedback about the user's positive and negative experiences during the execution of a business process. For this purpose, Policy Management allows you to add the functions of an experience management system, such as SAP Qualtrics Surveys, to its processes.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PM (Policy Management)
Available As Of	SAP S/4HANA 2021

Effects on System Administration

See "Related Link", and then "Configuration".

Related Information

[Send a Questionnaire via an Experience Management System](#)

15.4.2.1.8 SAP Fiori App for Policy Inquiry Now Based on New CDS Views

The Policy Inquiry app has been enhanced by replacing the unmanaged query approach with the managed query approach using realtime CDS views. It also contains new features, such as the predecessor policy details, the contract status for the selected policy, and information about multiple contracts associated with a policy.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PM (Policy Management)
Available As Of	SAP S/4HANA 2021

Additional Details

You can check the multiple contracts for a policy or multiple vehicles associated with a contract in the search results on the home screen. The new fields **Predecessor Policy** and **Contract Status** are displayed in the app in the header sections of the [Policy Details](#) and [Contract Details](#) screens respectively. You can click the link available in the form of policy number to view more details of the predecessor policy.

15.4.2.1.9 Scroll in Journal

You can use the [Scroll in Journal](#) function to see which changes were made to a contract or application at which time, and you can then compare the different policy versions and application versions.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PM (<i>Policy Management</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

You can navigate between the different contract versions and application versions and view the differences in a configurable comparison list. This version comparison provides you with detailed information about the individual processing activities for a contract or application.

Note

The *Scroll in Journal* function was deactivated when Policy Management moved to SAP S/4HANA; it is now available again.

Effects on Customizing

Execute the Customizing activities under ► *Policy Management* ► *In-Force Business Management* ► *Basis* ► *Journal* ► *Scroll in Journal* .

15.4.2.1.10 Surcharge/Discount for Calculation of Anonymous New Business Quotation

The remote-enabled function module (RFM) for calculating an anonymous *New Business* quotation (/PM0/ABT_SVC_NBQUOTE_CALCULATE) can now also return information about a surcharge or discount.

Therefore, an external system (such as SAP Commerce) can determine, for example, the amount for a discount that the customer has entered on the SAP Commerce customer portal in the form of a coupon and that must be included in the calculation of the anonymous New Business quotation.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PM (<i>Policy Management</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The new exporting parameter `ET_SUPDC` was added to `RFM / PM0 / ABT_SVC_NBQUOTE_CALCULATE`. This parameter returns the information about the surcharge or discount to the calling system.

To ensure that the surcharge or discount amount is returned, this amount must have been determined correctly by the product engine during the calculation of the application. This means that the calculation logic in the product engine may have to be adjusted so that this amount is determined during the calculation of the application and returned to Policy Management.

15.4.2.1.11 Deletion of Claims Management Interface Data

You can use the new program `/PM0/ABT_CM_DEL_INTERIM_TABL_2` to delete additional data in the interface tables for Claims Management (FS-CM) that you no longer need in Policy Management.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PM (<i>Policy Management</i>)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

The program deletes the data in the following interface tables:

- /PM0/ABDTCRTBNF (*Interface Table: Create Scheduled Benefit Cases*)
- /PM0/ABDTCTRCHG (*Interface Table: Benefit-Relevant Changes to Contract*)

i Note

You can use the existing program /PM0/ABT_CM_DEL_INTERIM_TABLES to also delete interface data for Claims Management for the interface table /PM0/ABDACM (*Claim Information FS-PM*).

Effects on System Administration

Execute the program on a regular basis.

Start the program from the *SAP Easy Access* screen by choosing ► *Insurance* ► *Policy Management* ► *In-Force Business Management* ► *Periodic Processing* ► *Clean FS-CM Interface Data (Additional Tables)* ►.

15.4.2.1.12 Field Extension for External Reference Number (REFNUMBER_TT)

The field REFNUMBER_TT for entering an external reference number (such as the broker contract number or account number) in the *External Reference* object (/PM0/ABDAEXREF) was extended to 35 characters in order to improve the compatibility in the communication with external systems.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PM (<i>Policy Management</i>)
Available As Of	SAP S/4HANA 2021

Effects on Existing Data

The following function modules contain the changed field REFNUMBER_TT:

- /MVA/AMT_SVC_INPI_CHGVEC
- /PM0/ABT_APIF_REL_FB
- /PM0/ABT_SVC_BTX_COVPAC_AMD
- /PM0/ABT_SVC_CANCREQ_RTRV
- /PM0/ABT_SVC_CHGOPTREQ_CRT
- /PM0/ABT_SVC_CHGREQ_CRT

The changed field is available automatically in these function modules. You do not need to do anything. This list of function modules is for information only.

Effects on Data Transfer

You can now also extend the external reference number to 35 characters in customer-specific data models and applications that are connected to Policy Management.

Effects on System Administration

Note the following:

- If you use customer-specific Web services, you must regenerate the WSDL files (Web Service Description Language) with the service definition due to the format change.
- In the event of a possible upgrade of Policy Management, a restriction applies to the Zero Downtime Option (ZDO). For more information, see SAP Note [2163060](#). Enter the search term **FS-PM**.

15.4.2.113 New RFM to Create Subcoverages in the "Change" Business Process

The new remote-enabled function module (RFM) /PM0/ABT_SVC_COVPCO_ICL ([Create and Process Subcoverage](#)) has been added to Policy Management. This can be called by an external system to create subcoverages in the [Change](#) business process.

Technical Details

Type	New
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Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PM (Policy Management)
Available As Of	SAP S/4HANA 2021

Additional Details

The RFM is based on the [Change](#) business transaction P_B_S_COVCPCO_ICL ([Create and Process Subcoverage](#)) and enables you to create additional subcoverages for an existing coverage of a policy on a selected effective date.

For example, you can use the new function module to create new subcoverages for policies that already affect in-force business in Policy Management from an external application without using the user interface in SAP GUI. For more information, see the system documentation for the function module.

You can use the new Business Add-In (BAdI) /PM0/ABT_SVC_COVCPCO_ICL_BADI to take account of your own fields in addition to the existing fields when you create the subcoverage from an external system

Effects on Customizing

You can find the BAdI /PM0/ABT_SVC_COVCPCO_ICL_BADI in Customizing for [Policy Management](#) under [► Integration ► Services ► Remote-Enabled Function Modules ► Change ► BAdI: Create Subcoverage \(Extension In/Out\) ►](#).

15.4.2.1.14 New RFM to Reverse Contracts in the "Change" Business Process

This feature enables external systems to reverse contracts within a policy. You can use this function module to execute the [Reverse Contract](#) business transaction on the chosen effective date.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	Not applicable
Application Component	FS-PM (Policy Management)
Available As Of	SAP S/4HANA 2021

Additional Details

- The new RFM is based on the business transaction BTX P_B_S_REVPOLPR ([Reverse Contract](#)) available in [Change Business Process](#).
- If you want to reverse the contract from an external system, you can use the new Business Add-In /PM0/ ABT_SVC_revpolpr_BADI ([BAdI: Reverse Contract \(Extension In/Out\)](#)) to take account of your own fields in addition to the existing fields.
- For more information about the RFM see the corresponding system documentation.

Effects on Customizing

You can find the new BAdI /PM0/ABT_SVC_REVPOLPR_BADI in Customizing for [Policy Management](#) under [► Integration ► Services ► Remote-Enabled Function Modules ► Change ► Business Transactions ► BAdI: Reverse Contract \(Extension In/Out\) ►](#).

Related Information

[Reverse Contract](#)
[RFMs for Change](#)
[Business Transactions in Change Business Process](#)

15.4.2.1.15 New Business Transaction to Reverse a Contract in the "Change" Business Process

This feature enables you to reverse a contract in [Change Business Process](#). It only supports the property and casualty (P&C) line of business.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PM (Policy Management)
Available As Of	SAP S/4HANA 2021

Additional Details

- The technical name of this business transaction (BTX) is P_B_S_REVPOLPR.
- This BTX is enabled for postdating.
- The reinstatement of a contract reversed via this BTX is enabled through the standard reinstatement process using the business process [Reset](#).
- During the reset of the business process, the standard business transaction [Reset Business Process](#) disregards the new business transaction [Reverse Contract](#).

Effects on Customizing

In Customizing for [SAP Insurance](#), the following new Business Add-Ins (BAIs) are available for customer enhancements:

- BAI: Determination of Comparison Template for Reverse Contract
 - BAI: Check if Completion is Allowed in BTrans Reverse Contract
- You can find these under [Policy Management](#) → [In-Force Business Management](#) → [Basis](#) → [Business Transactions, Actions and Process Steps](#) → [Business Add-Ins \(BAIs\)](#).

Restrictions

- This BTX does not support mass enablement of contracts or the enablement of group insurances.
- This BTX only supports scenarios where the reversal date is equal to the effective date of [Change Business Process](#). If the reversal date entered is not equal to the effective date of [Change Business Process](#), a validation error will occur.
- This BTX cannot be reimplemented.
- The [Pending Commission Case](#) function (as in [Reversal Business Process](#)) is not available.

Related Information

[Reverse Contract](#)

[RFMs for Change](#)

[Business Transactions in Change Business Process](#)

15.4.2.1.16 Enabling Customer Developed Business Transactions in the "Mass Change" Business Process

This feature enables you to derive the application-wide command for custom defined business transactions (mass-enabled) in the [Mass Change](#) business process. You have to implement the BAdI /PM0/ABP_MP_APP_CMD_BADI ([Application-Wide Command for Business Transactions in Mass Change](#)) to enact these changes.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PM (Policy Management)
Available As Of	SAP S/4HANA 2021

Additional Details

The BAdI /PM0/ABP_MP_APP_CMD_BADI allows multiple implementations.

Effects on Customizing

- In Customizing for [SAP Insurance](#), the new Business Add-In (BAdI) is available for customer enhancement under ► [Policy Management](#) ► [In-Force Business Management](#) ► [Basis](#) ► [Business Transactions, Actions and Process Steps](#) ► [Business Add-Ins \(BAdIs\)](#) ► [BAdI: Application-Wide Command for Business Transactions in Mass Change](#) ►.

- To assign the business transaction to the business process, you have to ensure the Customizing in [Configure Control Parameters for Business Transactions](#) is maintained for the [Mass Change](#) business process.

15.4.2.1.17 New Key Mapping Parameter for RFM Read Change Request in the "Change" Business Process

The new export parameter `ET_KEY_MAPPING` is added to the RFM / PM0 / ABT_SVC_CHGREQ_RTRV ([Read Change Request](#)) in the business process [Change](#). This feature provides key mapping information, i.e. the assignment of an external key and an internal entity key for any entity that is created in an application using the RFM.

This feature enables you to uniquely identify the newly created data in [FS-PM](#) and efficiently map it back to its own data/entity.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PM (Policy Management)
Available As Of	SAP S/4HANA 2021

Additional Details

Key mapping information is not persistent in the [FS-PM](#) system. This information is provided at runtime when the RFM / PM0 / ABT_SVC_CHGREQ_RTRV is executed as part of change scenarios with stateful communication.

15.4.2.1.18 New Sample Product for German Home Contents Insurance

A new P&C product for **German Home Contents Insurance** has been added to the sample product library content. The product is built following the modern (current) features of a typical home contents insurance product in Germany. The product is based on the product engine in SAP Product, Quotation and Underwriting Management.

Technical Details

Type	New
Functional Localization	Localized for Germany
Scope Item	Not applicable
Application Component	FS-PM (<i>Policy Management</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The new product is called **Best Personal Protection**:

- It is based on the German market.
- It covers risks located in Germany.
- It offers three plans/variants: Basic, Advanced, and Best (plus optional coverages).
- It is enabled for the quotation and underwriting process in FS-PQM with a side-by-side comparison of the benefits and premiums offered by each plan.
- It is enabled for change business and other business processes in FS-PM.

15.4.2.1.19 Obsolete Database Tables

The following database tables are obsolete as of SAP S/4HANA 2021, but still exist in the newly created package /PM0/ABB_RELEASE2021:

/PM0/ABP_BTXCCTH (BTrans Interfaces per BTrans)

/PM0/ABUDEAPRC (Deactivation of C&D Rules for C&D Groups - BTrans)

/PM0/ABUUNSPACE (Rule Definition for Checking Namespace)

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	FS-PM (<i>Policy Management</i>)
Available As Of	SAP S/4HANA 2021

15.4.2.1.20 Control of Balance Transfer for Vehicle Change

You can use this function when you execute a vehicle change to decide whether the system is to transfer the balance to the target contract. When you use this function, the setting for the balance transfer in the Customizing activity *Make General Settings for Vehicle Change* is overridden.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PMA (<i>Policy Management for Auto Insurance</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

When the *Vehicle Change* business transaction is executed, the system displays the *Transfer Balance* checkbox in the *New Business* and *Change* business processes after you have transferred the contracts as source contracts to be settled. The system fills the field with the value set in the Customizing activity *Make General Settings for Vehicle Change*. You can change the field and thus override the Customizing setting.

You can also override the Customizing setting for the balance transfer in background processing:

- The field BALTRANS_CD (*Transfer Balance*) is provided in parameter IT_AMWAASPROD of the application interface for vehicle change (/MVA/AMW_APIF_CHGVEC).
- The field BALTRANS_CD is provided in parameter IT_SVC_ASPROD of the RFM *New Business Application with Vehicle Change* (/MVA/AMT_SVC_INPI_CHGVEC).
- When the BTS date *Vehicle Change* is scheduled, you can supply the data container for vehicle change ASPROD with the field BALTRANS_CD.

You can fill the field in the abovementioned background functions with "1" ("Transfer Balance") or "2" ("Do Not Transfer Balance"). If you do not make an entry in the field, the system decides on the balance transfer based on the Customizing activity *Make General Settings for Vehicle Change*.

15.4.2.1.21 Logging of Change Information for Registration/CIC/IIS

You can use this function for registration notifications or CIC/IIS notifications to log who made the most recent changes to the notification.

A new tab element was added in Registration that logs the change information of the respective notification. The following information is logged here: status of the notification, processor, change date, [Automatic Processing](#) checkbox.

Technical Details

Type	New
Functional Localization	Localized for Germany and Austria
Scope Item	Not applicable
Application Component	FS-PMA (Policy Management for Auto Insurance)
Available As Of	SAP S/4HANA 2021

Additional Details

The system always writes a new entry in the change information when the status of a notification changes. If other changes are made to the notification, an entry is written only if the current processor is not the same as the last processor. This occurs in the background as well as in the dialog. The system sets the [Automatic Processing](#) checkbox for background processes that were not triggered by the user in the dialog. The entry is only written when it is saved.

Effects on Existing Data

The [Last Changed By](#) and [Last Change Date](#) fields previously displayed in the dialog (registration) or on the [Change Information](#) tab page (CIC/IIS) are now displayed on the new tab element.

Effects on Data Transfer

Notifications that were created before the 2021 release are not migrated separately. When the notification is displayed, the most recent change information is displayed on the tab element. As soon as the notification is

saved for the first time, the system writes an entry with this information in the change information table in the database. If the notification is saved without having been changed, only this migration entry is persisted. If a change is made to the notification, the migration entry and, if necessary, an additional entry for the change are persisted. Whether the additional entry for the change is written depends on whether the specified criteria for creating an entry are fulfilled.

15.4.2.1.22 Example Implementations for the Import and Export of the Data of Auto Insurance-Specific Processes (Character Set Conversion KBA/GDV)

With the example implementations provided, you have templates at hand that provide information about how to import and export the data of auto insurance-specific processes.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PMA (<i>Policy Management for Auto Insurance</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The following implementation example classes are available:

- /MVA/CL_AMV_RSD_DATA_EXCHANGE- import and export of registration messages for Germany (BAdI /MVA/AMV_RSD_DATA_EXCH_BADI)
- /MVA/CL_AMV_RSA_DATA_EXCHANGE - import and export of registration messages for Austria (BAdI /MVA/AMV_RSA_DATA_EXCH_BADI)
- /MVA/CL_EXM_IM_AMVI_ICDE_ASSOC - import and export of change of insurer certificate data (BAdI /MVA/AMVI_ICDE_ASSOC_BADI)
- /MVA/CL_EXM_IM_AMVI_ICA_CUST_A - import and export of insurance information system data (BAdI /MVA/AMVI_ICA_CUST_ASSOC_BADI)
- /MVA/CL_EXAMPLE_EX_EUROTAX_MAP- filling of your own fields (customer include) when Eurotax data is imported (BAdI /MVA/AM_EUROTAX_MAPPING_BADI)
- /MVA/CL_EXAMPLE_TR_ALLCTD_TPCL - import of data records to type and regional classes from your own files (BAdI /MVA/AMVT_ALLCTD_TPCL_IMP_BADI)

- /MVA/CL_AMVC_DELIVERY_BADI_DE - generation of central call notifications to the external inquiry office (BAdI /MVA/AMV_CENTRAL_DELIVERY_BADI)

Standard “Latin Characters in UNICODE”

The implementation example class /MVA/CL_AMV_RSD_DATA_EXCHANGE for the import and export of registration messages for Germany supports the standard “Latin Characters in UNICODE” (character set “String.Latin+”). The source code contained therein is designed to ensure that during the import of registration messages the system interprets the file to be imported with the character encoding “UTF-8” and that the system exports registration messages with the encoding “UTF-8”.

Due to the nonuniform character sets used in the public sector up to now, there are display problems in electronic registers, especially with diacritical characters not commonly used in German. The character set “String.Latin+” is used to fulfill the legal right of citizens to have their names correctly displayed and is defined in DIN SPEC 91379.

The Kraftfahrt-Bundesamt (KBA) (Federal Motor Transport Authority) plans to change the character set standard in the middle of 2021, which will affect all registers, transfer and information procedures, and therefore also the electronic certificate of insurance process.

The registration agencies will use the character set “String.Latin+” as of the middle of 2021.

In the electronic certificate of insurance process, registration data for insurers may, from this point on, contain characters that are not included in the “ISO-8859-1” character set currently in use. The characters are transferred from “String-Latin+” with the encoding UTF-8.

More Information

Logical file names are often used in the example implementations. Logical file names make it possible to write platform-independent applications. You can link these logical file names with physical file names (specific to your platform).

For more information about the exact procedure, search for the term “Logical File Names” at help.sap.com.

15.4.2.1.23 Business Transaction "Reverse Contract" for Auto Products

This function lets you use the [Reverse Contract](#) business transaction in the [Change](#) business process also for contracts of the Auto line of business.

You can execute the business transaction either in dialog mode or in the background. It is possible to execute the business transaction with postdating.

Technical Details

Type	New
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Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PMA (<i>Policy Management for Auto Insurance</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The Auto-specific interfaces Registration, IIS, and Central Telephone Number are also supplied.

The Auto-specific data (*Deregistration Date*, *Non-Liability Notification*, *NLN Send Date*, *End of Coverage*, *Suppress B/M Data (AT)*) are entered for the contract when the business transaction is executed and applied to all underlying coverages. This behavior is the same as the Reversal business process.

Related Information

[New Business Transaction to Reverse a Contract in the "Change" Business Process \[page 1362\]](#)

15.4.2.2 Claims Management

15.4.2.2.1 Improvements to SAP Fiori App Claims Inquiry and Update Claim

The *Claims Inquiry and Update Claim* app has been enhanced with five additional features to change claim details. You can find the required options to create and update the details in the respective sections of the *Claim Details* screen. Based on the selected action, the user navigates to the relevant change claim app, where they can edit specific details using the available fields.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	FS-CM (<i>Claims Management</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

The *Claims Inquiry and Update Claim* app is an application variant of the *Claims Inquiry* app. In the *Claims Inquiry* app, the user can only check the required claim details, whereas in the *Claims Inquiry and Update Claim* app the user can change certain claim details using the action buttons provided.

The following additional features are added in this release:

- Create and edit damaged objects
- Create and edit expense or loss reserves
- Create, reverse, refund, and delete a payment
- Assign or change performer
- Create, execute, and close tasks

i Note

Changes made to any of the claim details in this app are also reflected in the *Claims Inquiry* app.

Related Information

[Claims Inquiry and Update Claim](#)

15.4.2.2.2 Improvements to SAP Fiori App Update Claim Header

The *Update Claim Header* app has been enhanced with additional features, such as the obligation to pay and the option to close a claim, which enables you to close an existing claim at header level and provide the status reason. You can search for a claim on the initial screen of the *Update Claim Header* app and navigate to it. The *Close Claim* button is located in the header section and can be used to close the selected claim. You can also reopen a closed claim using the *Open Claim* button, which is also found here.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-CM (Claims Management)
Available As Of	SAP S/4HANA 2021

Related Information

[Update Claim Header](#)

15.4.2.2.3 Improvements to SAP Fiori App Maintain Subclaim

The [Maintain Subclaim](#) app has been enhanced with additional features, such as the obligation to pay and the option to close a subclaim, which enables you to close an existing subclaim and provide the status reason. You can search for a subclaim on the initial screen of the [Maintain Subclaim](#) app and navigate to it. The [Close Subclaim](#) button is located in the header section and can be used to close the selected subclaim. You can also reopen a closed subclaim using the [Open Subclaim](#) button, which is also found here.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-CM (Claims Management)
Valid as Of	SAP S/4HANA 2021

Related Information

[Maintain Subclaim](#)

15.4.2.2.4 SAP Fiori App Maintain Damaged Objects

This feature enables you to create and edit a damaged object for an existing claim on an SAP Fiori interface. This object can be a vehicle or a property which is damaged during an accident as well as an injured person. You can also search for and display existing damaged objects including drafts.

The search criteria include attributes like:

- Claim number
- Subclaim number
- Damaged object

To search for drafts only, you can use the *Editing Status* filter *Own Draft*.

By providing general information as mentioned above and damaged object details on *New Damaged Object* screen, you can create a damaged object.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-CM (<i>Claims Management</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

You can check the damaged object details of a particular claim by selecting the corresponding record from the list of search results. The *Damaged Object* screen appears with information related to a specific damaged object type (vehicle, property or person). To edit the damaged object, you can click on the *Edit* button and use the information fields available under various tabs.

Related Information

[Maintain Damaged Objects](#)

15.4.2.2.5 SAP Fiori App Maintain Reserves

This feature enables you to create and edit reserves for an existing claim on an SAP Fiori interface. You can also search for existing reserves using attributes like:

- Claim number
- Subclaim number
- Reserve type

You can create new reserves by providing the following details:

- General information
- Reserve details
- Reserve history

To search for drafts only, you can use the *Editing Status* filter *Own Draft*.

You can edit reserves for both expense reserve types and loss reserve types that you have set in the *FS-CM* backend.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-CM (<i>Claims Management</i>)
Available As Of	SAP S/4HANA 2021

Effects on Customizing

When a user sets a reserve for approval, an error message is issued as soon as the amount set for the reserve exceeds the authorization limit.

In the customizing activity *Change Settings for Certain Messages*, you can change the default system message *Error* to other message types like *Information* or *Warning*. This allows you to create or edit reserves which are above their notification or approval limits (pending approval). You can change the default settings as follows:

- Choose *Claims Management* ► → *Claim* ► *Technical Settings* ► *Message Control* ► *Change Settings for Certain Messages* .
- Choose the application area ICL_CONF_RES (*Configurable Messages for Reserves*), click on *Messages* and then *New Entries*.
- Enter '581' in *MsgNo* and hit Enter to see the corresponding message text.

- According to your business process, enter either *I* (Information) or *W* (Warning) as new *Standard Type*.

i Note

You can change the type of the system message both for online operations and background processing.

- Save your entries.

Related Information

[Maintain Reserves](#)

15.4.2.2.6 SAP Fiori App Maintain Payments

This feature enables you to create and edit payments for an existing claim on an SAP Fiori interface. You can also search for existing payments using attributes like:

- Claim number
- Payment type

In the resulting hitlist, you can view all the payments associated with claims. Here you can choose to perform further operations like:

- Reserve payment
- Create payment
- Delete payment

To search for drafts only, you can use the *Editing Status* filter *Own Draft*.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-CM (<i>Claims Management</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Maintain Payments](#)

15.4.2.2.7 SAP Fiori App Assign Performer

This feature enables you to assign a new performer or edit an existing performer for a claim on an SAP Fiori interface. You can also search for and display existing performer records including drafts.

The search criteria include attributes like:

- Claim number
- Subclaim
- Name of role
- Description of performer

To search for drafts only, you can use the [Editing Status](#) filter [Own Draft](#). By providing general information as mentioned above, you can assign a new performer.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-CM (Claims Management)
Available As Of	SAP S/4HANA 2021

Additional Details

You can check the performers associated with a particular claim by selecting the corresponding record from the list of search results. The [Performer Overview](#) screen appears with information fields and an [Edit](#) button to edit performer details.

Related Information

[Assign Performer](#)

15.4.2.2.8 SAP Fiori App Maintain Tasks

This feature enables you to display and edit tasks for an existing claim on an SAP Fiori interface. You can also search for existing tasks using attributes like:

- Claim number
- Subclaim
- Performer

In the resulting hitlist, you can view all the open tasks associated with claims. Here you can choose to perform operations like:

- Create task
- Execute task
- Close task

i Note

You can navigate to other Claims apps by opening the link list. To view that list, click on the claim number and then on [More Links](#) in the resulting popup.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-CM (Claims Management)
Available As Of	SAP S/4HANA 2021

Related Information

[Maintain Tasks](#)

15.4.2.2.9 SAP Fiori App for First Notice of Loss (completely revised version - powered by RAP)

Note

The Fiori app *Notice of Loss* with the Fiori ID F2846 is deprecated with SAP S/4HANA 2021. The app is still available for use but planned to be removed in the future release. Use the new Fiori app *First Notice of Loss* with the Fiori ID F5750 instead.

This feature enables you to create an auto claim with the basic claim data.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-CM (<i>Claims Management</i>)
Available As Of	SAP S/4HANA 2021

Additional Details

You can capture basic claim data such as:

- contract
- incident type
- date of loss
- origin of loss
- loss location
- damaged objects
- witnesses
- notes

The new *First Notice of Loss* app has the following additional features and benefits compared to the old *Notice of Loss* app:

- The app is based on the ABAP Restful Application Programming Model (RAP).
- The app has a new feature to search for existing claims based on:
 - claim number
 - contract
 - date of loss

- The app has a new feature to perform straight-through processing of certain benefits based on the incident type of the claim.
- You can select external service providers (for example Repair Shop or Towing Service) configured in the system. The app also provides an option to enable a detailed geo-coding program for accurate location mapping of the service providers.
- The app has new structured facts capture (SFC) to capture details on the origin of loss and the loss location.

Effects on Existing Data

You have to assign the role `SAP_BR_INS_CUSTOMER_SERVICE` to the app user in the gateway system in transaction SU01.

Effects on Customizing

- **Note**
The following prerequisite is relevant only if you want to display the notes in the app after saving.
In this case, you have to replicate the notes in the *FNOL* app:
 - For new claims:
With the Business Add-In (BAdI) `BADI_ICL_CLAIM_UPDATE`, you can activate the enhancement implementation `ICL_CLAIM_UPDATE_NOTES` under ► *SAP Insurance* ► *Claims Management* ► *Claim* ► *Technical Settings* ► *Update Tracker* ► *BAdI: New and Changed Data When Saving Claim* ►.
 - For existing claims:
Execute the report `RICL_REPLICATE_NOTES_FOR_FIORI`.
- In Customizing for *Claims Management*, you can define benefits for selected incident types that are available for straight-through payments. Choose ► *SAP Insurance* ► *Claims Management* ► *Claim* ► *Business Settings* ► *SAP-Fiori-App* ► *Schadenmeldung* ► *Configure Settings for Straight-Through Payments* ►.
- The Business Add-In (BAdI) `ICL_FIORI_FNOL_RAP` enables you to read the contract data from an external policy management system. The standard implementation of this BAdI reads the contract data from the local FS-CM system. If you want to read the contract data from an external system, you have to create your own implementation of the BAdI. Choose ► *SAP Insurance* ► *Claims Management* ► *Claim* ► *Technical Settings* ► *SAP-Fiori-Apps* ► *Schadenmeldung* ► *BAdI:Connection to Policy System via RAP* ►.
For further information on configuration steps, refer to [App Configuration: First Notice of Loss \(FNOL\)](#).

Related Information

[First Notice of Loss \(FNOL\)](#)

15.4.2.2.10 SAP Fiori App: Notice of Loss (deprecated)

The Fiori app [Notice of Loss](#) with the Fiori ID F2846 is deprecated with SAP S/4HANA 2021. The app is still available for use but planned to be removed in the future release. Use the new Fiori app [First Notice of Loss](#) with the Fiori ID F5750 instead.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-CM (Claims Management)
Available As Of	SAP S/4HANA 2021

Related Information

[First Notice of Loss \(FNOL\)](#)

15.4.2.2.11 Save New File Extension Types in SAP Cloud Platform Document Management

This feature enables you to save files of extension type JPEG, PNG, DOC, DOCX and PDF in [SAP Commerce Financial Services Accelerator \(FSA\)](#) and to display these documents in the [Claims Management \(FS-CM\)](#) backend. For example, insurance customers can upload their documents by logging on to the customer portal provided by SAP Commerce and view these documents in the [Claims Management \(FS-CM\)](#) backend.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-CM (Claims Management)
Available As Of	SAP S/4HANA 2021

Related Information

[Integration with SAP Document Service](#)

15.4.2.2.12 Integration to FSA for Replication of Changes - Improvements

This feature enables you to view auto claim details like subclaims, participants and payments in customer portals such as SAP Commerce.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-CM (Claims Management)
Valid as Of	SAP S/4HANA 2021

Additional Details

You can use Customizing settings to define claim data that triggers a notification and claim data to display on the customer portal (see [Effects on Customizing](#)).

Effects on Customizing

To display current claims, you can define data that triggers a notification (relevant context is HYBRIS) and data that is displayed on the customer portal (relevant context is HYBRIS_CLAIM_DETAIL). The Customizing path in *SAP Insurance* is ► [Claims Management](#) ► [Claim](#) ► [Technical Settings](#) ► [Define Context-Specific Data Selection](#) ►.

Related Information

[Display of Specific Claim Data for External Portal](#)

15.4.2.3 Collections and Disbursements

15.4.2.3.1 Collections and Disbursements

For information about new apps, features, and functions in *Contract Accounts Receivable and Payable* (FI-CA), see the *Contract Accounting* section under *Billing and Revenue Innovation Management*.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-CD (Collections/Disbursements)
Available As Of	SAP S/4HANA 2021

Related Information

[Collections and Disbursements \(FS-CD\)](#)

15.4.2.4 msg.PMQ

15.4.2.4.1 Versioning

The versioning scheme of the SAP Edition of PMQ.Designer has been changed. From now on the number of the service pack corresponds to the version of the underlying standard edition of PMQ.Designer.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Valid as Of	SAP S/4HANA 2021

15.4.2.4.2 Performance improvements

With this feature the performance of the PMQ.Designer has been improved significantly. In addition to the build performance, this also affects the areas of UI and POTATO.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Valid as Of	SAP S/4HANA 2021

Additional Details

In detail, the following changes have been made:

Improved build performance

- The Eclipse CDO framework was replaced by the in-house development LOCO.
- This change and other improvements have accelerated all areas of the build:
 - Indexing (including resolution of cross-references)
 - Compilation
 - Cache update
 - Validation
- Improved dependency considerations in the incremental build
- Improved connection of PMQ.Runtime (shortened initialization process). This affects in PMQ.Designer:
 - The execution of test cases
 - The inclusion of custom builders
 - The execution of deployments

Improved UI performance

- The performance when building UI elements has been significantly improved. This includes, but is not limited to, the following actions:
 - Changing the template
 - Opening product modules
 - Creating table restrictions
 - Applying column filters
 - Moving and hiding columns
 - Opening large packages in PMQ explorer
 - Opening the References and Hierarchy view
 - Creating deployment projects
 - Checking design rules
 - Execution of structure copies
 - Deleting structures

Improved POTATO performance

- Several places have been significantly improved when importing via POTATO:
 - Handling of aggregated product modules
 - Handling of relationship information
 - Use of read-only object libraries
- Overall: Improvement of import times by up to 50%


15.4.2.4.3 Improvements for the comparison editor

With this feature you can work more comfortably with the comparison editor. It is now possible to configure the display and to disable the time query.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Valid as Of	SAP S/4HANA 2021

Additional Details

- Hiding and moving columns
In the comparison editors of product module types and product modules it is now possible to configure the display. The  View button can be used to open an assistant where the columns to be displayed can be selected and the order of the columns can be specified. In case of multi-level columns, only the main column is displayed. The configuration of the view is temporary. The selected settings are not saved.
- Option to disable the time query
When opening the comparison editor for product modules as well as the structure view, a query is initially always made by default as to whether this should apply to a special sales and validity date or whether there is no special time reference. This query can now be switched off. To do this, the new option **Open comparison editor/structure view without time constraint for product modules** is now available in the user **Preferences/PMQ/Miscellaneous**.
If this option is activated, the comparison editor opens on product modules without an intermediate query and all root product modules are taken into account.
If the option is deactivated, the usual query window opens first. In this, it is now also possible to apply the selection **Show all generations and their adjustment levels** for the entire workspace by activating the checkbox **Remember decision**.

15.4.2.4.4 Consolidate overrides on test structures for attribute values

This feature enables you to check values of contract attributes at test structures for redundant data.

Technical Details

Type	New
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Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Valid as Of	SAP S/4HANA 2021

Additional Details

Data is redundant if the value entered in the test structure corresponds to the value entered in the product module. In the course of this function enhancement, the command **Search for unnecessary overwrites...** has been renamed to **Search for redundant data...** .

15.4.2.4.5 Extension of C Runtime support

With this feature, the range of functions in C-Runtime has been extended when using PMQ.Designer as a design environment. This means that correspondingly extensive content (e.g. sample data) can be transferred from the design environment to the C-Runtime.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Valid as Of	SAP S/4HANA 2021

Additional Details

With the target version 2103, the following configurations are supported:

- Qualified names
- Multidimensional values at attributes
- Constraints:

- PMQ object including object types, type and name mask
- Enumeration including selected entries
- Table including selected column values, excluding specialized column values
- Regular expression including minimum and maximum string length and valid values
- Minimum string length for constraint types "String length" and "Static values"

Related validation messages (errors and warnings) are omitted if a C runtime version 2103 or later is selected in the project settings.

Thus, deployment of appropriate content from the product design can be done for a C runtime environment. The configuration for the deployment project is possible in the context menu under **Properties** in the **PMQ Settings/Project Settings** group.

15.4.2.4.6 Improvement of the editing of multiline tags

If a separate window was needed for editing string tags with multi-line content, it was previously necessary to open it via the Edit action. This feature enables you to open the separate window via double-click.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Valid as Of	SAP S/4HANA 2021

15.4.2.4.7 Improved scroll area in the properties view

With this feature the properties page adjusts to the content when the tab is changed.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Valid as Of	SAP S/4HANA 2021

Additional Details

When a tab was selected in the properties view, the content page resized only if the content area required more space than the previously displayed page. However, if the new page required less space, the size was not reset. This resulted in scrollbars being displayed throughout the area in such cases.

Now the properties page adjusts to the content when the tab is changed. Especially in the tags tab, scrollbars are now only present within the table. The table itself fills the available space on the properties page completely.

15.4.2.4.8 Display of PM-ID of generations and adjustment levels in PMQ comparison editor

With this feature you can now see the PM IDs of the different generations and adjustment level in the PMQ comparison editor, which can be seen in the normal product module editor in the time control view.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Valid as Of	SAP S/4HANA 2021

Additional Details

For this purpose, the setting Show PM-ID in editor title must be selected in the user preferences. Based on this setting, the label of generations and adjustment levels in the headers will be adjusted in the comparison editor to include the PM-ID.

15.4.2.4.9 Improvements for M10

The built-in functions **GetArrayData()** and **TableByName()** work with qualified names as of release 2103.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Valid as Of	SAP S/4HANA 2021

15.4.2.4.10 Automatic identification of value formatting for column filters

With this feature you can automatically convert entered text into the data format of the selected column.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Valid as Of	SAP S/4HANA 2021

Additional Details

When filtering column contents, the assistant to configure column filter provides the option to filter column contents using the search line. This search is a text-only search. This means that, for example, values of the type integer or date are only found if the formatting characters are also entered. By activating the **Include converted values** checkbox, the entered text is now also automatically converted to the data type of the

selected column. This enables value finding even without formatting characters. The function is activated by default.

15.4.2.4.11 Additional filter operations in editors

This feature enables you to filter for equal to, unequal to and wildcard expressions.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Valid as Of	SAP S/4HANA 2021

Additional Details

Until now it was only possible to filter by regular expressions in the PMQ.Designer editors. The filter options have now been extended by the operations **equal to**, **unequal to**, **matches wildcard expression** and contains and thus adapted to the global search as well as the editor search.

15.4.2.4.12 Support for custom validators in the build

This feature enables you to use custom validators in the build. These validators can perform additional data validations.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Valid as Of	SAP S/4HANA 2021

Additional Details

Until now, it was only possible to write custom builders and integrate them into the build process. However, these custom builders often performed validation tasks. Often, when validations were performed in PMQ.Designer using the PMQ Data Validation action, the checks in the custom builders were not performed.

PMQ.Designer can now be extended to include additional custom validators. These validators can perform additional data validations. Each custom validator must implement the **ICustomContentProjectValidator** Java interface. In addition, the validator must be registered in PMQ.Designer using the extension point **de.msg.pm.platform.builder.custom.customContentProjectValidators**.

All registered custom validators will be called whenever the internal validators of PMQ.Designer are called. A validation process can additionally be triggered manually by the user by starting PMQ data validation on any content object, folder, package or content project. Analogous to custom builders, custom validators can also be individually enabled and disabled in the user preferences.

15.4.2.4.13 Removal of unnecessary warnings in C-Runtime support

With this feature the unnecessary warnings for restrictions on type level or on tables as well as panels are omitted.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Valid as Of	SAP S/4HANA 2021

Additional Details

When deploying to a C Runtime compilation, both product-level and type-level constraints or constraints on tables and panels are taken into account. For the object types on type level as well as on tables and panels, the checking of the values with regard to their respective constraints takes place exclusively at modeling time in PMQ.Designer. At runtime the values are not checked again. In PMQ.Designer 2103 some validations were already abolished on product level starting from a C-Runtime compatibility level of 2103. Now also the unnecessary warnings for restrictions on type level or on tables as well as panels are omitted.

15.4.2.4.14 Improved creation of value assertions from test results

This feature enables you to create value assertions from the structure view.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Valid as Of	SAP S/4HANA 2021

Additional Details

Until now, value tests could only be created from the list view of a test case result. Switching to this view could take a long time, especially with large test cases.

Now it is also possible to create value assertions from the structure view. To create a value check for a product module, open the Details tab in the properties and select **Create Value Assertion...** from the context menu of the contract attribute. must be selected in the context menu of the contract attribute.

15.4.2.4.15 Checking contract attribute values in test instances

This feature enables you to check values of all contract attributes on final instances.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Valid as Of	SAP S/4HANA 2021

Additional Details

In the editor for test structures as well as in the editor for product module test cases, the selectable validations have been extended by the option **Check values of all contract attributes on final instances**. If this option is activated, the values of all contract attributes of all instances are checked once at the end of the test structure. This makes it possible to check the validity of the assignment of contract attributes to module instances both at design time and at runtime.

In the course of this enhancement, the option **Check default values of contract attributes when creating instances** was deactivated and hidden by default, cause this option had only a very limited use since a check of all values of the contract attributes was carried out only immediately after the creation. Contract attributes that are taken directly from the module were not covered by this check. The option is now only displayed if the checkbox has already been activated in an existing content.

15.4.2.4.16 Automatic adjustment of the test structure reference when copying a test case

This feature automatically updates the test structure reference when a test case is pasted under a test structure.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	FS-MPM (msg.PMQ)
Valid as Of	SAP S/4HANA 2021

Additional Details

When copying and pasting a test case under an existing test structure, the test structure reference was previously only adjusted if both the test structure and the test case were on the clipboard and pasted together. Now this reference is automatically updated when a test case is pasted under a test structure.

15.4.2.4.17 POTATO: CSV export with conversion of exponential values to decimal values

With this feature you can convert all values in exponential notation to decimal notation.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Valid as Of	SAP S/4HANA 2021

Additional Details

The new parameter **converttodecimalnotation** can be activated to convert all values in exponential notation to decimal notation. The parameter can be set at the following classes:

- en.msg.pm.datatransport.transporter.csv.pmq.table.internal.CSVInternalTablePMQDataTransporterFactory
- en.msg.pm.datatransport.transporter.csv.pmq.array.CSVArrayPMQDataTransporterFactory
- en.msg.pm.datatransport.transporter.csv.pmq.enumeration.CSVEnumerationPMQDataTransporterFactory

15.4.2.4.18 POTATO: Log outputs with progress indication in batch mode

With this feature you can see the percentage for progress in the log outputs.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Valid as Of	SAP S/4HANA 2021

Additional Details

The log outputs of the POTATO command in batch mode now show the percentage for progress and thus correspond to the outputs of other headless commands in PMQ.Designer.

15.4.2.4.19 POTATO: Overwriting the output path in batch

The new parameter **[-basepath]** enables you to overwrite the base path for POTATO export/import contained in the configuration via the command line.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Valid as Of	SAP S/4HANA 2021

15.4.2.4.20 Error Corrections and Usability Improvements

With this feature, smaller issues has been fixed and the usability has been improved.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Valid as Of	SAP S/4HANA 2021

Additional Details

- PMQ.Designer
 - Visual highlighting for Java classes did not work in the product module editor and table editor. This has been corrected.
 - Changing a template sometimes caused long processing times. Refactoring was optimized and accelerated.
 - Performance when opening product modules has been improved.
 - Performance when opening the dialog for creating table restrictions was improved.
 - The graphical table comparator also highlighted moved rows with no change in content. This has been corrected.
 - For folders that do not allow abstract objects, the context menu incorrectly offered "Create template". This was fixed.
 - Determining the display name component for product attributes with simple value constraints, such as string length, was incorrect. This has been corrected.
 - When renaming an object via keyboard command Ctrl-C, the qualified name was copied in dialogs and wizards instead of the displayed name. This has been fixed.
 - Cardinality validation for test structures did not consider inherited relationship targets. This has been fixed.
 - The "DEFAULT CATEGORY" for attributes/methods defined via BPE configuration was evaluated incorrectly at a certain point in the domain-oriented product editor and properties were not read in completely and correctly. This has been fixed.
 - In some cases, column filters in tables experienced major performance issues due to the UI framework. This has been fixed.
 - When exporting tables in XLS format, error messages occurred when the data size was very large (e.g. 200,000 rows). This has been fixed by setting the newer XLSX format as default for export starting with version 2103. It allows a larger data volume.

- When creating value checks of test results for contract attributes with the same name on different product modules, a redundant dialog prompt occurred. This has been fixed.
- When converting a product module to a template, the visibility was not processed correctly. This has been fixed.
- Loading the CustomerValidation plugin caused problems. This has been fixed.
- When assigning table constraints with specialized values, PMQ.Designer sometimes reacted slowly. The performance was improved.
- The display of multi-language string attributes in test structures was not correct. This has been fixed.
- When creating a table restriction, an error could occur if the "Specialize column values" checkbox was selected and then the selection field with proposal control was opened. This has been fixed.
- If no valid value was specified as enumeration constraint, no error markers were displayed. This has been fixed.
- If an invalid reference to enumeration entries was determined during the validation of enumeration restrictions and table restrictions with specific values, previously only a warning was issued instead of an error. This has now been adjusted.
- Sorting in PMQ editors (e.g. list view test result) with a large number of entries caused the PMQ.Designer to be unusable. This has now been fixed.
- In the assistant for editing variable assignments, no value could be set for one-dimensional values. This has been fixed.
- When defining table restrictions with selected values, long processing times could occur. The performance of this action has now been improved.
- When copying an adjustment level as a new generation, relationships were incorrectly displayed as local. These should have been overwritten in the specific case as well. This has been fixed.
- The validation of test objects was significantly accelerated with regard to the use of dynamic relationships.
- POTATO
 - The progress count when executing a POTATO task with assigned PMQ build-in readers/writers for a data export to Excel format did not appear correctly. The error has been corrected.
 - Handling of empty, multi-dimensional values did not occur correctly. This was corrected.
 - When reading PMQ content using libraries, extended runtimes occurred. This has been fixed.
 - Excel import did not work when using content libraries. This has been corrected.
 - If errors occurred during a POTATO task, the associated error message in the console output of the headless command was sometimes too unspecific. The output of the error messages was optimized.
 - Incomplete CSV files were generated during transport. This error has been fixed.
 - When using table extensions, it could happen that specialized column values were not exported correctly. This has been fixed.
 - The information whether product module relationships are aggregated was incorrectly output during POTATO export. This has been fixed.
 - The CSV files created during export were not complete in some cases. This has been fixed.
 - During export, the tags of timed product modules were not exported if the product module types differed between product module shell and root product module.
 - When executing a POTATO task with assigned PMQ build-in readers/writers for a data export to MS Excel format, progress was not displayed correctly. This has been fixed.
 - The assignment of columns with the column type isKey between PMQ.Designer and POTATO was not possible. This functionality has now been added.
 - Running multiple POTATO tasks at the same time does not work. This has been fixed.

- Errors occurred when exporting and importing projects with reserved special characters in the package names. This misbehavior is partially corrected by adjusting the configuration: In the POTATO configuration, make sure that resolvederivation is activated if, for example, constraints are to be exported that originate from the template. Otherwise an import with this Excel file leads to numerous warnings. The occurrence of further error messages in the workspace after the import has been corrected by corrections to the isNullable flag in the POTATO export.

15.5 Public Services

15.5.1 Defense & Security

15.5.1.1 Relocate Authorized Materials

You can use this feature to plan and prepare authorized materials that are required for a mission. The relocation projects that have been created are combined with force element structures to reuse the preplanned assignments. This foundation allows the required authorized materials to be scheduled for a specific date and quantity. Even the consumption of original authorized materials can be influenced by selecting the material document type. This enables planning to be performed at material level for each step quantity and material document type.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-DFS-OF-FMP (<i>Flexible Material Planning Object</i>)
Valid as Of	SAP S/4HANA 2021

Effects on Existing Data

- Relocation projects can now be defined within the standard [SAP Project System](#) solution and can be assigned to any force element structure.
- Force element structure assignments for authorized materials are reused during planning of the relocation process step. Steps represent a duration and can be assigned to authorized materials for relocation with step quantities.

- The system only generates material documents that have a customizable type for the finite relocation planning at material level..

Effects on Customizing

- Definition of relocation-specific customer fields in the SAP Standard Project system needs to be customized to distinguish between regular projects and relocation projects for the relocation list display.
- Relocation-relevant material document types can be specifically assigned to the [Relocate Authorized Materials](#) app.

15.5.1.2 Enhanced Authorization Capabilities for Defense and Security Organizations

This feature enables you to increase the security by extending it beyond force elements.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-DFS-OF-FE (Force Element (S/4))
Valid as Of	SAP S/4HANA 2021

Additional Details

Sensitivity at Defense Objects

You protect the access to capabilities, capability statements, and flexible material planning objects by using sensitivity.

This feature provides you more flexibility in maintaining access restrictions. You can maintain multiple values for sensitivity in the same object.

This feature provides you with improved usability and makes it easier to maintain access restrictions. You can automatically inherit sensitivity from a force element to all dependent force elements in the organization.

Context-Based Structural Authorization for Defense Objects

You protect the access to force elements, flexible material planning objects, and products by using context-based structural authorization.

15.5.1.3 Distribute Data for Business Objects from Different Functional Areas

This feature provides the foundation for a system landscape administrator to distribute data for various business objects between the central S/4HANA system and a strategic server. This is an S/4HANA system at a remote site that works offline in a communication-challenged environment and synchronizes to the central system when communication is possible to enable business processes across the landscape.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-DFS-BIT-DIS (<i>Distributed System Landscape</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The data for the following business objects from different functional areas can be distributed:

Organizational Flexibility

- Force element
- Assignment of dedicated data objects to a force element
- Hierarchical and support relationships between force elements

Generic

- Classification
- Document info record

Maintenance

- Equipment
- Functional location

- Measuring point
- Measurement document
- Work center
- Bill of material (functional location, equipment, and material)
- Notification
- Order
- Revision

Supply

- Material
- NATO stock number (NSN)
- Stock transfer requisition (STR)
- Stock transfer order (STO)
- Outbound / inbound delivery
- Goods movement for outbound / inbound delivery
- Storage location
- MRP area

15.5.1.4 Apply the Change Protection Concept to Ensure Data Consistency in the Distributed System Landscape

This feature ensures data consistency throughout a distributed S/4HANA system landscape by applying the change protection concept to data instances that are planned to be editable in the central or a remote S/4HANA system (strategic server) at different points in time.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-DFS-BIT-DIS (<i>Distributed System Landscape</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The change protection concept provides a mechanism that prevents users in a system from modifying object instances, thereby ensuring business process integrity within the landscape. It ensures that an object can only be modified in one system – the central system or one strategic server.

This concept can be applied to those business objects where a clear ownership of either the the central system or a strategic server for a specific object instance can be derived.

❖ Example

For a specific maintenance work center, the change protection (and therefore ability to modify the data instance) is derived by the system to which the force element is subscribed, and to which the work center is assigned.

If the force element is in ownership of the central system, the work center can only be modified in the central system. Otherwise, it can be modified in the corresponding strategic server.

Change protection for a specific business object instance is usually distributed between systems together with, and at the same time as the respective business object instance, but in specific cases, it can also be distributed separately.

15.5.1.5 Enable the Initial Data Load and Continuous Data Distribution Between Central and Remote S/4HANA Systems

This feature enables the system landscape administrator or a similar role to define distribution rules for the initial data load from the central to a remote S/4HANA system (strategic server) and for subsequent continuous data synchronization between the systems during their lifecycle.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-DFS-BIT-DIS (<i>Distributed System Landscape</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following steps are performed for the initial data load from the central system to a strategic server:

Definition of a Subscription

The definition of a subscription contains the following information:

- Main force element for data derivation
- Effectivity dates
- Target system (strategic server)
- Status (*Active* and *Inactive*)
- Administrative data

Data Staging

Starting the data staging process for a specific subscription triggers the derivation of the dependent business object instances and arranges them in the correct order in the data staging tables for the subsequent import into the target system.

Initial Load

Starting the initial load process schedules the business object queues and imports the data from the central system into the target remote system.

Continuous Data Distribution

The system uses the change detection concept to record the data updates that are relevant for distribution between the central and the remote system and automatically synchronizes the data between the systems whenever connectivity is available.

15.5.1.6 Personnel Staffing for Defense and Security Organizations in Operations and Exercises

This feature enables you to allow personnel staffing proposals and personnel staffing of operational and exercise positions for operations and exercises.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-DFS-OF-FE (<i>Force Element (S/4)</i>)

Additional Details

You can optimize the "best" match candidate for each position, whilst comparing requirements with person qualifications or other criteria.

You can check the rotation fulfillment for force elements in a micro chart, that represents the staffing percentage comparing active force elements with person assignments.

A calendar view is available, which lists all active and non-active positions for the selected force element and uses a color code to provide information about the position status regarding a staffing proposal or staffing assignment.

You can directly assign persons to positions or convert staffing proposals to assignments.

15.5.2 Public Sector

15.5.2.1 Public Sector Management

15.5.2.1.1 Funds Management

15.5.2.1.1.1 Upload Budget Structure from the External File

This feature enables you to upload budget and posting addresses from an external file to the Funds Management budget structure using a CSV file. The file requires a CSV extension and format.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PSM-FM-BCS (<i>Budget Control System</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Management of Budget Structure Elements](#)

15.5.2.1.1.2 Add Customer Fields to the Budget Structure

This feature enables you add additional customer-defined fields to the budget structure.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PSM-FM-BCS (Budget Control System)
Available As Of	SAP S/4HANA 2021

Related Information

[Management of Budget Structure Elements](#)

15.5.2.1.1.3 Budget Structure Maintenance Application

This feature enables you to use a new budget structure application in the Budget Control System.

- Maintenance and control of budget and posting addresses using the SAP Fiori app [Manage Budget Structure Elements](#).
- Register all changes in the history log.
- Ability to add attachments.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PSM-FM-BCS (<i>Budget Control System</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Manage Budget Structure Elements](#)

15.5.2.1.1.4 Budget Structure Mass Processing

This feature enables you to:

- Generate the budget structure in mass from the budget data / posting data.
- Copy the budget structure in mass from the budget data / posting data with customer fields.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PSM-FM-BCS (<i>Budget Control System</i>)
Available As Of	SAP S/4HANA 2021

Related Information

[Management of Budget Structure Elements](#)

15.5.2.1.1.5 Deprecation of Design Studio Apps in Public Sector Management

The SAP Design Studio apps in Public Sector Management are deprecated and will be removed from the system as of SAP S/4HANA 2021.

We recommend that you switch to the Web Dynpro apps, which are the successor apps and will be the default tiles on the SAP Fiori launchpad.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PSM (<i>Public Sector Management</i>)
Valid as Of	SAP S/4HANA 2021

Additional Details

The following Design Studio apps are deprecated and replaced by the successor Web Dynpro apps in Public Sector Management as of SAP S/4HANA 2021:

Deprecated App (Fiori ID)	App Name	Successor App (Fiori ID)
F4321	Commitment / Actual Line Item Analyzer	W0151
F4322	Budget Line Item Analyzer	W0152
F4323	Budgt / Cmtmt /Actl Line Item Analyzer	W0153

Related Information

[Deprecation of SAP Design Studio Apps \[page 1056\]](#)



15.5.2.2 Public Sector Collection and Disbursement

15.5.2.2.1 Public Sector Collection and Disbursement: Small Enhancements as Part of Customer Connection Project 2021

Improvements in the *Public Sector Contract Accounts Receivable and Payable* component are available to you in the context of the SAP Customer Connection project for Public Sector Collection and Disbursement. These improvements are based on proposals submitted by customers through the Customer Influence program.

Technical Details

Improvement Details

Application Component	Improvement Description	Software Component	Product Features are (New/Changed)	Improvement Request ID	SAP Note
IS-PS-CA (<i>Public Sector Contract Accounts Receivable and Payable</i>)	You can now simulate interests without TRM prerequisite (FI-CA).	IS-PS-CA	New	256910 	3078183 

Functional Localization: Not applicable

More Information

For more information about Customer Influence, see <http://influence.sap.com> 

Related Information



[PSCD: Interest Simulation](#)

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