



What's New | PUBLIC

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What's New in SAP S/4HANA and SAP S/4HANA Cloud Private Edition 2023 FPS03

Content

1	What's New	5
2	Cross Components	6
2.1	Business Event Logging	6
2.2	Master Data Maintenance	7
2.3	Data Migration	9
2.4	Master Data Governance, Central Governance	11
2.5	SAP S/4HANA Output Control	15
2.6	Document Management	16
2.7	Joule Capabilities Supported	17
2.8	Country/Region Specifics	18
3	Asset Management	19
3.1	Maintenance Management	19
3.2	Country/Region Specifics	44
4	Finance	45
4.1	Financial Planning and Analysis	45
4.2	Accounting and Financial Close	48
4.3	Treasury Management	108
4.4	Financial Operations	120
4.5	Billing and Revenue Innovation Management	121
4.6	Governance, Risk, and Compliance for Finance	139
4.7	Country/Region Specifics	145
5	Human Resources	146
5.1	My Time Events (Version 3)	146
5.2	Approve Time Events (Version 3)	147
5.3	Timesheet Analytics - My Compliance	148
5.4	Timesheet Analytics – Compliance	149
5.5	Country/Region Specifics	150
6	Manufacturing	151
6.1	Production Planning	151
6.2	Extended Production Planning and Scheduling	152
6.3	Production Operations	159
6.4	Just-In-Time Supply to Customer	165
6.5	Quality Management	166

6.6	Country/Region Specifics.	168
7	Manufacturing for Production Engineering and Operations.	169
7.1	Cross-Area Features.	169
7.2	Extended Production Engineering.	183
7.3	Extended Production Process Setup.	192
7.4	Extended Production Operations.	197
7.5	Complex Assembly Project Management.	205
8	R&D/Engineering.	207
8.1	Enterprise Portfolio and Project Management.	207
8.2	Product Compliance.	223
8.3	Product Lifecycle Management.	224
9	Sales.	232
9.1	Order and Contract Management.	232
9.2	Solution Business Management.	248
9.3	Country/Region Specifics.	252
10	Service.	253
10.1	Service Master Data & Agreement Management.	253
10.2	Service Operations & Processes.	261
10.3	WebClient UI Framework.	298
11	Sourcing and Procurement.	299
11.1	Sourcing and Contract Management.	299
11.2	Operational Procurement.	300
11.3	Central Purchasing.	302
11.4	Support of Price Scales in Mass Changes to Central Purchase Contracts.	303
11.5	Additional Fields in Mass Changes to Central Purchase Contracts.	304
11.6	Country/Region Specifics.	306
12	Supply Chain.	307
12.1	Logistics Cross Topics.	307
12.2	Warehouse Management.	309
12.3	Delivery and Transportation.	320
12.4	Advanced Order Promising.	336
12.5	Extended Service Parts Planning.	339
12.6	Country/Region Specifics.	347
13	Integration.	348
13.1	Business Network Integration.	348
13.2	Integration with Industry Cloud Solutions from SAP.	349
13.3	Country/Region Specifics.	350

14	Country/Region Specifics.	351
15	Industries.	352
15.1	Consumer.	352
15.2	Discrete Industries.	363
15.3	Energy & Natural Resources.	364
15.4	Financial Services.	392
15.5	Public Services.	425

1 What's New

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

2 Cross Components

2.1 Business Event Logging

2.1.1 Change Documents

Business Details

With this feature, you can log change document entries as business events in Business Event Logging.

Implementation Details

To enable this functionality, you must make configuration changes and implement a BADl to map change documents to business event definitions.

Technical Details

Type	New
Functional Localization	No Localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	CA - GTF - BEL (Business Event Logging)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Change Documents](#)

2.1.2 Capturing Transaction Codes

Business Details

In this release, Business Event Logging has been enhanced to log transaction codes. With this feature, you can now view the transaction code that was used to generate the business event.

The Display Business Event Logs app includes a new field Tcode that provides the transaction code involved in generating the event.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID:F6021
Application Component	CA - GTF - BEL (<i>Business Event Logging</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Display Business Event Logs](#)

2.2 Master Data Maintenance

2.2.1 Product Master

2.2.1.1 CDS View for Product SCM

Business Details

The I_ProductSCM CDS View provides product master data related to Supply chain management.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	CDS View:I_ProductSCM
Application Component	LO - MD - MM (Product Master)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Product SCM](#)

2.2.1.2 CDS View for Product Hierarchy

Business Details

The I_ProductHierarchy CDS View provides product hierarchy IDs and product hierarchy levels.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	CDS View:I_ProductHierarchy
Application Component	LO - MD - MM (Product Master)

Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[CDS View for Product Hierarchy \[page 8\]](#)

2.3 Data Migration

2.3.1 Data Migration Objects

Business Details

Find an overview of new, changed, and unchanged migration objects per SAP S/4HANA and SAP S/4HANA Cloud Private Edition release in the linked documentation.

- [SAP S/4HANA – Release Comparison of Migration Object Templates \(Staging Table\)](#) (for customers and partners only): Find an overview and a detailed comparison of the migration object templates that have changed between various releases. This release comparison is destined to assist 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.
- [SAP S/4HANA – Release Comparison of Migration Objects \(Direct Transfer\)](#) (for customers and partners only): The purpose of this document is to explain the differences between the migration objects of various versions in SAP S/4HANA. This helps you to see what has changed and what is new for the different versions.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	2Q2 (Data Migration to SAP S/4HANA from Staging)
Technical Object Name	Not applicable

Application Component	CA - GTF - MIG (SAP S/4HANA Data Migration Cockpit Content) CA - DT - MIG (S/4HANA Migration Cockpit - Direct Transfer: Content)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

2.3.2 Migration Object Modeler - WHERE Conditions Editor

Business Details

In the [Migration Object Modeler](#), for the migration approach [Migrate Data Directly from SAP System](#), the [WHERE Conditions Editor](#) is now available. You can use the [WHERE Conditions Editor](#) to specify additional selection criteria for all fields of a table. You use Open SQL statements to write the WHERE conditions.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	BH3 (Data Migration to SAP S/4HANA from SAP)
Technical Object Name	Transaction LTMOM
Application Component	CA - LT - MC (SAP S/4HANA Migration Cockpit)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

2.4 Master Data Governance, Central Governance

2.4.1 New Features for Master Data Governance for Application Framework

Business Details

We have added a new feature to Master Data Governance Application Framework (sometimes referred to as Generic Functions).

Generative AI for Assisted Changes and Summarize Changes in Custom Objects

With the Summarize Changes feature, you can get an overview of change requests with multiple objects (mass change) in natural language using a large language model to verify the completeness and correctness of master data changes.

With the Assisted Changes feature, you can change master data attributes using natural language with little effort so that applying changes to master data objects is time efficient.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	CA-MDG-AF (Application Framework)
Availability	SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Processing of a Change Request](#)

2.4.2 New Features for Master Data Governance for Business Partner

Business Details

We have added new features to Master Data Governance for Business Partner.

Data Controller

In the UIBB [Data Controllers](#), you can now manually maintain the assignment of one or more data controllers to a Business Partner and set the [Invalid Assignment](#) status for existing data controllers. The [Data Controller Not Required](#) indicator has more impact. The system immediately assigns data controllers when the corresponding organizational units are maintained. Authorization objects [B_BUP_DCPA](#) and [B_BUP_DCPD](#) are considered.

For more information about authorization objects used by Master Data Governance for Business Partner, see [Master Data Governance for Business Partner \(CA-MDG-APP-BP\)](#).

Message Control

In Customizing activity [Change Message Type for Validations](#) under [MDGIMG > Classic Mode in SAP MDG > Central Governance > Central Governance for Business Partners > Validation Settings](#), you can redefine the following messages that belong to message class [MDG_BS_ECC_BP_CHECK](#). You can define these as an information (*I*) or warning (*W*) message. If you leave the [Online](#) field blank, the message is suppressed.

- 030: Role &1 requires company code data
- 032: Role &1 requires purchasing organization data
- 034: Purchasing organization data are not allowed for role &1

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	CA-MDG-APP-BP (MDG Business Partner (Central Parts))
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

2.4.3 New Features for Master Data Governance for Supplier

Business Details

We have added new features to Master Data Governance for Supplier.

Data Controller

In the UIBB [Data Controllers](#), you can now manually maintain the assignment of one or more data controllers to a Business Partner and set the [Invalid Assignment](#) status for existing data controllers. The [Data Controller Not Required](#) indicator has more impact. The system immediately assigns data controllers when the corresponding organizational units are maintained. Authorization objects B_BUP_DCPA and B_BUP_DCPD are considered.

For more information about authorization objects used by Master Data Governance for Supplier, see [Master Data Governance for Supplier \(CA-MDG-APP-SUP\)](#).

Message Control

In Customizing activity [Change Message Type for Validations](#) under ► [MDGIMG](#) ► [Classic Mode in SAP MDG](#) ► [Central Governance](#) ► [Central Governance for Business Partners](#) ► [Validation Settings](#) ►, you can redefine the following messages that belong to message class MDG_BS_ECC_BP_CHECK. You can define these as an information (*I*) or warning (*W*) message. If you leave the [Online](#) field blank, the message is suppressed.

- 030: Role &1 requires company code data
- 032: Role &1 requires purchasing organization data
- 034: Purchasing organization data are not allowed for role &1

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	CA - MDG - APP - SUP (MDG Supplier (Central Parts))
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

2.4.4 New Features for Master Data Governance for Customer

Business Details

We have added new features to Master Data Governance for Customer.

Data Controller

In the UIBB [Data Controllers](#), you can now manually maintain the assignment of one or more data controllers to a Business Partner and set the [Invalid Assignment](#) status for existing data controllers. The [Data Controller Not Required](#) indicator has more impact. The system immediately assigns data controllers when the corresponding organizational units are maintained. Authorization objects `B_BUP_DCPA` and `B_BUP_DCPD` are considered.

For more information about authorization objects used by Master Data Governance for Customer, see [Master Data Governance for Customer \(CA-MDG-APP-CUS\)](#).

Message Control

In Customizing activity [Change Message Type for Validations](#) under [MDGIMG > Classic Mode in SAP MDG > Central Governance > Central Governance for Business Partners > Validation Settings](#), you can redefine the following messages that belong to message class `MDG_BS_ECC_BP_CHECK`. You can define these as an information (*I*) or warning (*W*) message. If you leave the [Online](#) field blank, the message is suppressed.

- 030: Role &1 requires company code data
- 032: Role &1 requires purchasing organization data
- 034: Purchasing organization data are not allowed for role &1

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	CA-MDG-APP-CUS (MDG Customer (Central Parts) .)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

2.4.5 Field Extensibility for Customer and Supplier

Business Details

Field extensibility is now also possible for customer and supplier views. Using the **Custom Fields** app, you can extend fields for the following customer and supplier views:

- Customer Core View
- Customer Company Code Core View
- Customer Sales Area Core View
- Supplier Core View
- Supplier Company Code Core View
- Supplier Purchasing Org Core View

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	CA-MDG (Master Data Governance)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

2.5 SAP S/4HANA Output Control

2.5.1 Spool Access Method Q

Business Details

You can use the access method Q in the SAP spool system to print using print queues.

Implementation Details

Implement the correction instruction contained in SAP Note [3420465](#) for your system and make sure that at least the kernel patch specified in SAP Note [3348799](#) is installed. For implementation information, refer to the attached file in SAP Note [3420465](#).

Additionally, make sure to implement the respective support package from SAP Note [3551874](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	1LQ (Output Management)
Technical Object Name	Not applicable
Application Component	CA - GTF - OC (<i>SAP S/4HANA output management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[PRINT Channel](#)

[SAP Note 3420465](#)

[SAP Note 3348799](#)

2.6 Document Management

2.6.1 Document Management: Small Enhancements as Part of SAP Continuous Influence Program

Business Details

Improvements in the *Document Management* component are available to you in the context of the SAP Continuous Influence Program for Product Lifecycle Management. These improvements are based on proposals submitted by customers through this program.

Application Component	Improvement Description	Software Component	Product Features are (New/Changed)	Improvement Request ID	SAP Note
CA-FUI-DMS (<i>Fiori UI for Document management</i>)	L-Shape in Managed Documents Fiori App	S4CORE 108	New	306021 	3523226 

These improvements are valid for all countries.

For more information about SAP Continuous Influence Program, see <https://influence.sap.com> .

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	CA - DMS (<i>Document Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

2.7 Joule Capabilities Supported

Business Details

For detailed information on new Joule features in SAP S/4HANA Cloud Private Edition, refer to the [What's New for Joule](#), and filter for SAP S/4HANA Cloud Private Edition.

Technical Details

Type	New
Functional Localization	No localization

Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	CA - FLP - EXT - J0U (<i>Joule integration with FLP</i>)
Availability	SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Joule in SAP S/4HANA Cloud Private Edition](#)
[Integrating Joule with SAP S/4HANA Cloud Private Edition](#)
[What's New for Joule](#)

2.8 Country/Region Specifics

For country/region-specific changes, please see [What's New for Functional Localizations in SAP S/4HANA](#).

3 Asset Management

3.1 Maintenance Management

3.1.1 CDS Views for Maintenance Management

Business Details

CDS views have been released in the [Maintenance Management](#) area to retrieve information and provide value helps.

Technical Details

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

Technical Object Name	CDS View: C_MaintenancePlanPlantVH C_MaintOrdProcPhaseVH C_MaintOrdProcSubPhaseVH C_PMWorkCenterVH C_PMWorkReqReporterVH I_EAMProcessSubPhase I_EAMProcessSubPhaseText I_MaintenanceOrderStdVH I_MaintenancePlanStdVH I_MaintenanceRevision I_MaintOperationSysCondition I_MaintOperationSysConditionT I_MaintPhaseControlCode I_PMNotificationTypeStdVH
Application Component	PM (<i>Plant Maintenance</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[System Condition of Technical Object](#)
[Maintenance Planning Plant \(Value Help\)](#)
[Maintenance Plan \(Value Help\)](#)
[Process Phase of Maintenance Order Header \(Value Help\)](#)
[Maintenance Order Process Subphase \(Value Help\)](#)
[Maintenance Order \(Value Help\)](#)
[Work Center \(Value Help\)](#)
[Reporter of Maintenance Request \(Value Help\)](#)
[Phase Control Code of Maintenance Order](#)
[Notification Type \(Value Help\)](#)
[Maintenance Checklist Type](#)
[Process Subphase](#)
[Maintenance Revision](#)

3.1.2 OData API: Maintenance Planning Bucket

Business Details

With the Maintenance Planning Bucket API, you can create, read, and update maintenance planning bucket data. You can use this service to create operational and event-based planning buckets, change the planning bucket status, and reschedule maintenance events.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance)
Technical Object Name	API: API_MAINTENANCEPLANNINGBUCKET
Application Component	PM-WOC (Maintenance Processing)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Maintenance Planning Bucket](#)

3.1.3 OData API and CDS View: Maintenance Checklist Type

Business Details

With the Maintenance Checklist Type API, you can read maintenance checklist types.

The CDS view `I_MaintenanceChecklistType` (Maintenance Checklist Type) allows you to retrieve the available maintenance checklist types and see if they are deactivated. You can also view the additional information that is maintained in the search field. The related text view `I_MaintenanceChecklistTypeText` allows you to read the description of the maintenance checklist types in different languages.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance) BH1 (Corrective Maintenance) BJ2 (Preventive Maintenance)
Technical Object Name	API: <code>API_MaintenanceChecklistType</code> CDS View: <code>I_MaintenanceChecklistType</code> CDS View: <code>I_MaintenanceChecklistTypeText</code>
Application Component	PM-WOC-CL (<i>Checklist</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Maintenance Checklist Type](#)

3.1.4 BAdI: Calculation of the Final Due Date

Business Details

The new Business Add-In (BAdI) *BAdI: Calculation of the Final Due Date* (`EAMS_LACD_CALCULATION`) allows you to implement your customer-specific logic for the calculation of the final due date. The final due date is the latest date by which a maintenance activity must be completed. The priority is used as a basis for calculating the final due date of a maintenance notification or a maintenance order.

This BAdI is called when a maintenance request or a maintenance order is created or updated in SAP GUI, on the SAP Web User Interface for Plant Maintenance (PM), via the BAPIs or in the corresponding SAP Fiori apps.

You can use this BAdI, for example, to recalculate the final due date when the system determines the final due date and it falls on a Sunday. If you use a factory calendar, you can implement this BAdI to determine that the final due date is moved to the previous or next working day.

Implementation Details

Customizing

To use this feature, you must create a Badl implementation in Customizing for *Plant Maintenance and Customer Service* under [► System Enhancements and Data Transfer ► Business Add-Ins ► BAdI: Calculation of the Final Due Date ►](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance) BH1 (Corrective Maintenance) BJ2 (Preventive Maintenance)
Technical Object Name	Business Add-In: EAMS_LACD_CALCULATION
Application Component	PM-WOC-MO (Maintenance Orders)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Final Due Date](#)

3.1.5 Key User Extensibility for Permit to Work Apps

Business Details

As a key user, you can now extend the Permit to Work apps according to your business needs. For example, you can display additional standard and custom fields on the UI, and implement custom logic to modify the standard system behavior.

The extensibility options are available in the following apps:

- [Manage Work Permits](#)
- [Manage Work Permit Templates](#)
- [Manage Safety Certificates](#)
- [Manage Safety Certificate Templates](#)

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: F6579 App ID: F4692 App ID: F6678 App ID: F6772
Application Component	PM-FIO-WCM (Fiori UI for PM Work Clearance Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[App Extensibility: Manage Work Permits \(Key User\)](#)
[App Extensibility: Manage Work Permit Templates \(Key User\)](#)
[App Extensibility: Manage Safety Certificates \(Key User\)](#)
[App Extensibility: Manage Safety Certificate Templates \(Key User\)](#)

3.1.6 Equipment Events

Business Details

The Equipment business object now triggers the following events:

- `Equipment.InstOnSuprEquip` - This event is raised when equipment is installed on superior equipment.

- `Equipment.InstdAtFuncLoc` - This event is raised when equipment is installed at functional location.
- `Equipment.DsmtldFrmSuprEquip` - This event is raised when equipment is dismantled from superior equipment.
- `Equipment.DsmtldFrmFuncLoc` - This event is raised when equipment is dismantled from functional location.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance) BH1 (Corrective Maintenance) BJ2 (Preventive Maintenance)
Technical Object Name	Business Event: <code>Equipment.InstdOnSuprEquip</code> <code>Equipment.InstdAtFuncLoc</code> <code>Equipment.DsmtldFrmSuprEquip</code> <code>Equipment.DsmtldFrmFuncLoc</code>
Application Component	PM-EQM-EQ (Equipment)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Equipment Events](#)

3.1.7 Maintenance Plan Events

Business Details

The `MaintenancePlan` business object now triggers the following events:

- `MaintenancePlan.ScheduleStarted` - This event is raised when the schedule of a maintenance plan is started.

- `MaintenancePlan.ScheduleRestarted` - This event is raised when the schedule of a maintenance plan is restarted.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HI (Proactive Maintenance) BJ2 (Preventive Maintenance)
Technical Object Name	Business Event: <code>MaintenancePlan.ScheduleStarted</code> <code>MaintenancePlan.ScheduleRestarted</code>
Application Component	PM-PRM-MP (Maintenance Plans)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

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

Related Information

[Maintenance Plan Events](#)

3.1.8 Maintenance Order Events

Business Details

The business event `SetToDeltnFlagged` that is raised for the [Maintenance Order](#) business object, has been changed. Until now, this business event has only been raised for maintenance orders that are processed according to phases. With this feature, the `SetToDeltnFlagged` business event is raised for maintenance orders of all order types.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BH1 (Corrective Maintenance) BJ2 (Preventive Maintenance)
Technical Object Name	Business Event: Maintenance Order . SetToDeletenFlagged
Application Component	PM-WOC-MO (<i>Maintenance Orders</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Maintenance Order Events](#)

3.1.9 Manage Maintenance Orders App

Business Details

With this app, you can display a comprehensive list view of maintenance orders, create maintenance orders and process individual orders. In the order list, contextual filters and a freetext search allow you to narrow down the scope of the results list and also to search for individual maintenance orders that you want to display or change. It is also possible to display billable maintenance orders.

In the *Manage Maintenance Orders* app, you can create maintenance orders and use an existing order as a reference or template. You can provide and change all the relevant maintenance order data, including the responsibilities, dates, priority, scheduling and the location data. You can create and change order operations and suboperations, and explain the work steps that need to be carried out. You can enter stock materials, non-stock materials and lean services, and determine dates, capacity requirements, and costs of the maintenance work. Moreover, you can settle the maintenance order financially and monitor baseline costs, planned costs and actual costs resulting from current maintenance orders. If you work with phase-enabled maintenance orders, you can view the phases and subphases and the processing context, and use phase control codes to control whether the maintenance order is passed on to the next subphase and phase. You can display *Service*-related and *Billing*-related information for billable maintenance orders.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance) BH1 (Corrective Maintenance) BJ2 (Preventive Maintenance)
Technical Object Name	App ID: F5241
Application Component	PM-FIO-WOC-M0 (<i>Fiori UI for PM Maintenance Orders</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Manage Maintenance Orders](#)
[Billable Maintenance Order](#)

3.1.10 Additional Version of Manage Maintenance Planning Buckets App

Business Details

You now have two versions of the [Manage Maintenance Planning Buckets](#) app on your Fiori launchpad. They are differentiated by the subtitles on the tiles: Old Version and New Version. [Manage Maintenance Planning Buckets - Old Version](#) (F3888) is the same standard app you are already used to working with. [Manage Maintenance Planning Buckets - New Version](#) (F3888A) is a new app.

The new app has several design and functional enhancements over the old version. For example, it allows you to do the following:

- Manage the life cycle of your planning buckets using system statuses.
- Assign maintenance orders and notifications to a maintenance event.
- Create comments for event-based planning buckets.
- Define available scope attributes in Customizing.

We recommend you use the new version, but you can still use the old version.

Implementation Details

Customizing

Before you can use this app, you need to perform several setup and configuration steps, including the Customizing activities under *Plant Maintenance and Customer Service* under ► *Maintenance and Service Processing* ► *Maintenance Planning Buckets* ►.

For detailed information, see [System Setup for Planning Buckets](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance)
Technical Object Name	App ID: F3888A
Application Component	PM-FIO-WOC (<i>Fiori UI for PM Maintenance Processing</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Manage Maintenance Planning Buckets \(New Version\)](#)

3.1.11 Enhancements for Perform Maintenance Jobs App

Business Details

New features and Customizing settings are available in the *Perform Maintenance Jobs* app. For example, it is now possible to record counter replacements, post time confirmations only against the work center, and record malfunction data if no relevant notification is available for a job. Also, details of billable maintenance orders can now be displayed in this app.

- New settings are available in Customizing for *Plant Maintenance and Customer Service* under *Maintenance and Service Processing* > *Completion Confirmations* > *Define Control Parameters for Perform Maintenance Jobs* . With these settings, you can do the following:
 - Enable maintenance technicians without employee master data to perform jobs and post time confirmations. These technicians can start, pause, and finish unassigned jobs and record time without specifying a personnel number. The time confirmations are posted against the work center. Technicians can also record time for supporting activities performed by other technicians without specifying a personnel number. In this case, the confirmation is posted against the activity type.
 - Enable maintenance technicians to record malfunction data if no relevant notification exists for a job. In this case, the system creates a new notification with reference to the technical object in the order header.
 - Determine that the system should not propose a default value for the actual work in the time confirmation dialog.
- You can now record counter replacements on the *Measurements* tab of a maintenance job.
- You can now specify a failure effect in the malfunction data of a maintenance job. Previously, this field was not editable.
- For maintenance orders that have been specified as billable maintenance orders, *Service*-related and *Billing*-related information can now be displayed in the additional section *Billable Maintenance Details* on the *Job Details* tab.

Note

The *Billable Maintenance Details* section is only shown for billable maintenance orders as part of the integrated *Service with Advanced Execution* scenario. It is not visible for maintenance orders that do not have a service order associated with them.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance) BH1 (Corrective Maintenance) BJ2 (Preventive Maintenance)
Technical Object Name	App ID: F5104A
Application Component	PM - FI0 (<i>Fiori UI for Plant Maintenance</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Perform Maintenance Jobs](#)
[Billable Maintenance Order](#)

3.1.12 Enhancements for Manage Inspection Checklists App

Business Details

New features are available in the [Manage Inspection Checklists](#) app. You can now define tolerated defect classes for usage decisions, send inspection lots for approval, record results for multiple selected characteristics, and display custom cross-app navigation links to related Fiori apps.

The following new features are now available for the [Manage Inspection Checklists](#) app:

- In the [Inspection Lot](#) view, the new field [Tolerated Defect Classes](#) is added to the [Set Usage Decision](#) popup.
- In the [Inspection Lot](#) view, the new button [Lock and Send for Approval](#) is available if business feature [EAM_IDMS](#) is activate in your system.
- In the [Characteristics](#) view, the new button [Record Results](#) is available. You can now perform a mass operation to record results for multiple inspection characteristics at a time.

⚠ Restriction

Note that you can only record results for qualitative characteristics from the same plant and code group.

- In the [Inspection Lot](#) and [Characteristics](#) views, cross-app navigation is now available.

Implementation Details

To enable the [Lock and Send for Approval](#) button in the [Inspection Lot](#) view, the business feature [EAM_IDMS](#) needs to be activated in your system. Additionally, authorizations need to be maintained for authorization object [I_CL_LOT](#), Activity [A9](#) (Send).

Customizing

You can use the BAdI [EAM_CROSS_APP_NAV_CONTROL](#) (Cross-App Navigation Control for Fiori Applications) to define custom cross-app navigation links in the [Inspection Lot](#) and the [Characteristic](#) views of the app, with the available actions depending on the BAdI implementation. Users can then select [Open In](#) in the table toolbar of the app to open selected items in other Fiori apps.

The list of selectable options in the new field [Tolerated Defect Classes](#), which has been added to the [Set Usage Decision](#) popup, can be adapted to your business needs using Customizing activity [Define Defect Classes](#) in Customizing for [Quality Management](#) under ► [Quality Planning](#) ► [Basic Data](#) ► [Catalogs](#) ►.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance) BH1 (Corrective Maintenance) BJ2 (Preventive Maintenance)
Technical Object Name	App ID:F6607
Application Component	PM-WOC-CL (Checklist)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Manage Inspection Checklists](#)

3.1.13 Maintenance Items: Causes and Reasons

Business Details

In the [Manage Maintenance Items](#) app (F5356), you can now do the following:

- Filter maintenance items by causes and reasons. This helps you find maintenance items quickly for review and auditing purposes.
- The column [Has Causes](#) or [Has Reasons](#) has the value **Yes** if a cause or a reason is associated with the maintenance item and the value is **No** if there is no cause or no reason associated with the maintenance item.

Implementation Details

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4HI (Proactive Maintenance) BJ2 (Preventive Maintenance)
Technical Object Name	App ID: F5356
Application Component	PM-FIO (<i>Fiori UI for Plant Maintenance</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Manage Maintenance Items](#)

3.1.14 Situation Handling

Business Details

In the *Manage Situation Types - Extended* app (F5437), the following changes have been made:

- The labels of the filters in the conditions that help you trigger situation instances have changed.
- While defining filters in the conditions for a maintenance plan or a maintenance task list, you can now select a value from the value help.

In the *My Situations – Extended* app (F4537), you can now filter situation instances for a maintenance task list and a maintenance plan.

In the *Manage Teams and Responsibilities - Asset Management* app (F4988), the three team categories (*Maintenance Planning and Execution* (MAINT_P_E), *Maintenance Work Center Team* (MAINT_TEAM), and *Maintenance Management* (MAINT_MGMT)) are available as default filters. You can adjust the filters according to your requirement.

Technical Details

Type	Changed
Functional Localization	Not Applicable
Scope Item	4HI (Proactive Maintenance) BJ2 (Preventive Maintenance)
Technical Object Name	Situation Template ID: EAM_MAINTENANCE_PLAN Situation Template ID: EAM_MAINT_TASK_LIST
Application Component	PM (<i>Plant Maintenance</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Situation Handling](#)

3.1.15 Mass Change of Custom Fields in Plans and Items

Business Details

With the *Manage Maintenance Plans* (F5325) app and the *Manage Maintenance Items* (F5356) app, you can now change custom fields of multiple maintenance plans and maintenance items respectively by choosing the **Mass Change** button. Earlier, you were able to perform mass change of only predefined fields of maintenance plans and maintenance items. Now, you can also perform mass change of custom fields that were created by you.

Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	4HI (Proactive Maintenance)
	BJ2 (Preventive Maintenance)
Technical Object Name	App ID:
	F5325
	F5356
Application Component	PM - PRM - MP (<i>Maintenance Plans</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Manage Maintenance Plans](#)

[Mass Editing of Maintenance Plans](#)

[Manage Maintenance Items](#)

[Mass Editing of Maintenance Items - Manage Maintenance Items](#)

3.1.16 Reactive Maintenance: Processing Contexts with Screening

Business Details

With this feature, you can use the two new processing contexts *Minor Work with Screening* and *Emergency Work with Screening*. Assigning one of these two processing contexts to a maintenance request and the corresponding maintenance order allows you to modify how the end-to-end process is determined by the *Reactive Maintenance* notification type and order type.

Up to now, you could assign the two processing contexts *Minor Work* and *Emergency Work* to maintenance requests of the *Reactive Maintenance* type. Since these processing contexts determine the process steps that the maintenance requests and maintenance orders run through, they could not be changed retrospectively.

With this new feature, you can assign the processing contexts *Minor Work with Screening* and *Emergency Work with Screening* to reactive maintenance requests. These maintenance requests run through the *Screening* phase. The supervisor can screen and reject or accept the corresponding maintenance requests in the *Screen Maintenance Requests* app and change the processing context, if needed. You can configure events to adapt the reactive order processing contexts *Order for Minor Work with Screening* and *Order for Emergency Work with Screening* to your business needs.

Implementation Details

Authorizations

To create maintenance requests with a processing context, the following authorization object must be assigned to your role: **I_EXCP_MN** (*Exception Process - Maintenance Notification*).

Effects on Existing Data

The user interface of the *Screen Maintenance Requests* app has been enhanced with the [Notification Processing Context](#) field. You can find this field in the details of the corresponding maintenance requests on the [General Information](#) tab page. In the [Edit](#) mode, you can open the input help of this field to change the processing context of the corresponding maintenance request.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance)
Technical Object Name	App IDs: F1511A F4072
Application Component	PM-WOC (Maintenance Processing)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Processing Contexts](#)

3.1.17 Adapting the Phase-Based Process With Events

Business Details

In the phase-based maintenance process, the overall status profiles determine the process phases that the maintenance request and maintenance order run through. With this feature, you can configure events for the

Reactive Maintenance overall status profile to adapt some steps within the end-to-end process to your business needs.

An event is always configured on the basis of a specific subphase and affects a specific entity, such as the notification header or the order header. The event allows you to skip single process steps in the phase-based business process. For example, you can configure an event for the *Reactive Maintenance* business process that makes the system skip the *Preparation* phase. As a result, approved reactive maintenance orders are directly released and passed to the *Scheduling* phase.

Implementation Details

Customizing

You can configure events for specific overall status profiles in Customizing for *Plant Maintenance and Customer Service* under [Maintenance and Service Processing](#) > [Fiori Apps for Maintenance Processing](#) > [Configure Overall Status Profiles](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance)
Technical Object Name	Not applicable
Application Component	PM-WOC (Maintenance Processing)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Configuring Events to Adapt the Maintenance Process](#)

3.1.18 Intelligent Task List Search for Maintenance Orders

Business Details

With this feature, you can identify suitable task lists for maintenance orders using data captured in maintenance items. Maintenance items provide an easy way to link a single task list with different pieces of equipment, functional locations, or materials. You can also specify reasons to describe when that task list could be used to resolve issues with these objects.

When you use this feature to identify suitable task lists for a maintenance order, the system compares the order description with the reason short texts that have been maintained in relevant maintenance items. When a maintenance item contains a reason short text that is identical to the order description, the system proposes the assigned task list.

To help you create order descriptions that match existing reason short texts, this feature includes a type-ahead search in the *Description* field of maintenance notifications and orders. This functionality searches for similar reason short texts as you type the problem description, allowing you to describe similar issues consistently and increasing the success rate of the task list search.

Note that in order to successfully use this feature, you must have created maintenance items with an assigned task list and one or more reason short texts that describe possible issues for which the task list could be used. The search only considers the reason short texts that you enter manually in the maintenance item.

Implementation Details

Customizing

You can enable the feature in Customizing for *Plant Maintenance and Customer Service* under ► *Maintenance and Service Processing* ► *Basic Settings* ► *Activate Intelligent Task List Search for Maintenance Orders* . When you set up this feature using this activity, you can also specify that certain attributes of the maintenance item – such as the equipment, the functional location, the planning plant, or the main work center – must correspond to the details in the maintenance order or notification to be considered by the search.

Effects on Existing Data

When you enable this feature for maintenance orders and, optionally, for maintenance notifications, the following additional features are available in the relevant SAP GUI transactions IW21, IW22, IW31, and IW32:

- An additional *Recommend task lists* option in the header data screen of a maintenance order under ► *Extras* ► *Task List Selection* .
- A new type-ahead search in the *Description* field of maintenance orders and notifications

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BH1 (Corrective Maintenance) BJ2 (Preventive Maintenance)
Technical Object Name	Transaction: IW31 Transaction: IW32 Transaction: IW21 Transaction: IW22
Application Component	PM-WOC (Maintenance Processing)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Intelligent Task List Search](#)

3.1.19 Assigning Existing Service Orders to Billable Maintenance Orders

Business Details

With this feature, when specifying an existing maintenance order as a billable maintenance order, you can now assign an existing service order in which a new service order item is created instead of creating a completely new service order.

You can now choose whether you'd like to create a new service order or assign an existing service order when specifying a maintenance order as a billable maintenance order using the available options in the [Services](#) group box on the [Header Data](#) tab of the maintenance order. When assigning an existing service order to the billable maintenance order, a new service order item of type *Execution Order Item* is created in that existing service order. Note that only orders of specific order types can be specified as billable maintenance orders. The item object type of the new service order item is determined automatically, but a check is executed to ensure that the automatic determination created a new service order item with an item category that is an *Execution Order Item*.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	6AU (Service with Advanced Execution) 6FI (Recurring Services with Advanced Execution)
Technical Object Name	Data Element: EAM_LINK_SRV_ORD (Assigning an Existing Service Order)
Application Component	PM-WOC-MO (Maintenance Orders)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Billable Maintenance Order](#)

3.1.20 Using the Plant of Operation Work Center for Checklist Generation

Business Details

This feature enables you to use the plant of the work center of the maintenance operation for the creation of inspection lots in checklists instead of the planning plant of the maintenance order.

By default, the planning plant of the maintenance order is used for the creation of *QM* inspection lots in checklists. You can set the [Use Plant of Operation Work Center](#) indicator in Customizing activity [Configure Checklists for Maintenance Order Types and Planning Plants](#) to use the plant of the work center of the maintenance operation for the creation of *QM* inspection lots instead.

Implementation Details

Customizing

The new indicator [Use Plant of Operation Work Center](#) is available in Customizing activity [Configure Checklists for Maintenance Order Types and Planning Plants](#). You can find this Customizing activity in Customizing for

Plant Maintenance and Customer Service under ► *Maintenance and Service Processing* ► *Maintenance and Service Orders* ► *Functions and Settings for Order Types* ►.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance) BH1 (Corrective Maintenance) BJ2 (Preventive Maintenance)
Technical Object Name	Data Element: EAM_CL_CU_CLGE_OPPLANT
Application Component	PM-WOC-CL (Checklist)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[SAP Note 3478783](#) 

3.1.21 SAP APM Integration: View Recommendation Details

Business Details

If you have set up the integration of SAP S/4HANA Asset Management with SAP Asset Performance Management (SAP APM), you can view the assigned recommendations and their details in technical objects.

Recommendations are created and implemented exclusively in SAP APM. After having created and released a recommendation in SAP APM, you implement the recommendation by linking maintenance objects to it, such as technical objects. On the [Recommendations](#) tab, you can view the assigned recommendations in the *Find Technical Object* (F2072) app.

If you have configured the system integration with SAP APM and a technical object has been assigned to a recommendation, then the corresponding recommendations are displayed in the *Find Technical Object* (F2072) app.

When you open the object page of a specific technical object from the list report, you can view the recommendation that is assigned to this on the [Recommendations](#) tab.

The system displays the recommendation that can have the status *Implementation in Process* or *Implemented*. You can see the recommendation status in the [Status](#) table column.

If you navigate to the details of the individual recommendation, you find detailed information about the failure modes and the technical objects that are also assigned to the recommendation.

If you select [Recommendation Details](#), you can view further details. Note that you can only view these details if you have established the Cross Application Navigation to the *Implement Recommendations* app.

Implementation Details

Customizing

The tab page *Recommendations* is only displayed if you have activated the business function *Integration with Asset Performance Management* (EAM_APM_INTEGRATION).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4HI (Proactive Maintenance) 4HH (Reactive Maintenance)
Technical Object Name	App ID: F2072
Application Component	PM-FIO (Fiori UI for Plant Maintenance)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Integration with SAP APM Recommendations](#)
[View Recommendation Details](#)

3.1.22 Integration with SAP Field Service Management

3.1.22.1 Replication of Maintenance Orders

When a maintenance order is saved in SAP S/4HANA or SAP S/4HANA Cloud Private Edition, a corresponding service call with the related activities is automatically generated in SAP Field Service Management. The replication of the maintenance order is managed based on the configuration settings in SAP S/4HANA and SAP S/4HANA Cloud Private Edition. Once a time effort or material item is approved in SAP Field Service Management, a maintenance confirmation is created, and a goods movement document is posted in SAP S/4HANA and SAP S/4HANA Cloud Private Edition.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PM - INT - FSM (<i>Field Service Management Integration</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS3

Additional Information

In addition to service orders, it is now possible to replicate maintenance orders into the same company in SAP Field Service Management. The existing integration is extended to support maintenance-related use cases, and new integration flows are added to the *SAP S/4HANA Integration with SAP Field Service Management* integration package.

Related Information

[Integration Scenarios for Transactional Data](#)

3.2 Country/Region Specifics

For country/region-specific changes, please see [What's New for Functional Localizations in SAP S/4HANA](#).

4 Finance

4.1 Financial Planning and Analysis

4.1.1 Overhead Cost Controlling (CO-OM)

4.1.1.1 Analytical Apps for Cost Centers

Some analytical apps for functional areas have been deprecated and will be replaced by new apps that cover the same functionality. These deprecated apps 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 it in the app finder until it is deleted. We recommend that you switch to the successor app as soon as possible. For more information, see the table under **Additional Details**.

Technical Details

Type	Deleted
Functional Localization	Not applicable
Scope Item	J54 (Overhead Cost Accounting)
Application Component	CO-OM (Overhead Cost Controlling)
Valid as Of	SAP S/4HANA 2023 FPS03

Additional Details

Fiori ID	App Name	Successor Fiori ID	Status
F0949	Cost Centers - Plan/Actual	W0081	Obsolete
F0934	Cost Centers - Plan/Actual with Currency Translation	W0081	Obsolete
F0928	Cost Centers - Plan/Actual YTD	W0081	Obsolete

Related Information

[Analytical Apps for Management Accounting](#)

4.1.2 Financial Planning

4.1.2.1 Export of Financial Plan Data from SAP Analytics Cloud to SAP S/4HANA Cloud Private Edition Using S/4HANA Cloud Private Edition Apps

Business Details

To continuously optimize the integration between SAP Analytics Cloud and SAP S/4HANA Cloud Private Edition, we've introduced a new framework within SAP S/4HANA Cloud Private Edition. This framework enables you to efficiently configure and schedule jobs for financial plan data to be integrated from SAP Analytics Cloud into SAP S/4HANA Cloud Private Edition. In this integration, SAP Analytics Cloud acts as a data source for financial plan data, while SAP S/4HANA Cloud Private Edition acts as the target system that consumes the integrated data.

The new framework includes two apps that provide similar functionality to the existing SAP Analytics Cloud export jobs (see also: [Using SAP Analytics Cloud Export Jobs](#)). In the following text, this way of integration is referred to as **Write Back**. Along with the new framework apps, you can now set up integration details of plan data line items, statistical key figures, or activity cost rates.

The following apps in SAP S/4HANA Cloud Private Edition have been introduced:

- **Manage Financial Plan Data Jobs for SAP Analytics Cloud Integration**
You use this app to define individual integration rules for integration between SAP Analytics Cloud and SAP S/4HANA Cloud Private Edition. That is, you create a configuration ID for each integration path and apply your custom mapping rules to this configuration ID.
Typical Settings Specific to Target Type:
In addition to the generic steps described in the topic [How to Manage Financial Plan Data Jobs for SAP Analytics Cloud Integration](#), you need to define specific settings depending on the target type. Please follow to the respective guidance depending on the target type:
 - Target type **Plan Data Line Items** as described in [Integrating Plan Data Line Items](#)
 - Target type **Statistical Key Figures** as described in [Integrating Statistical Key Figures](#)
 - Target type **Activity Cost Rates** as described in [Integrating Plan Cost Rates](#)
- **Schedule Financial Plan Data Jobs for SAP Analytics Cloud Integration**
Once the settings of the configuration ID is completed, you can use this app to trigger the actual integration process in SAP Analytics Cloud.

For more information, please see [Using SAP S/4HANA Cloud Private Edition Apps for SAP Analytics Cloud Integration](#).

Note

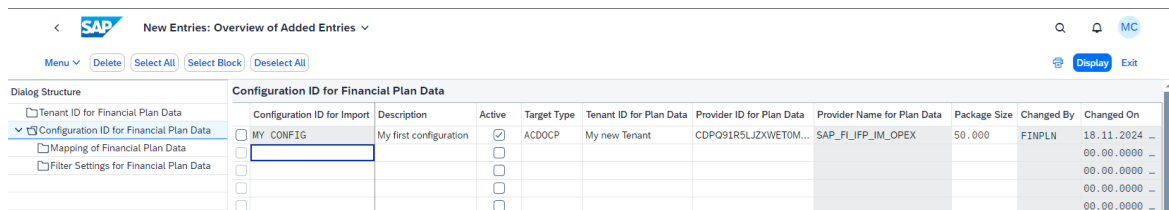
Please note that the existing export function as described in the topic [Using SAP Analytics Cloud Export Jobs](#) is deprecated and will be removed in a future release. Instead, you can use the solution as described in this What's New.

The following screenshots give you an initial glimpse of the new application:

Note

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

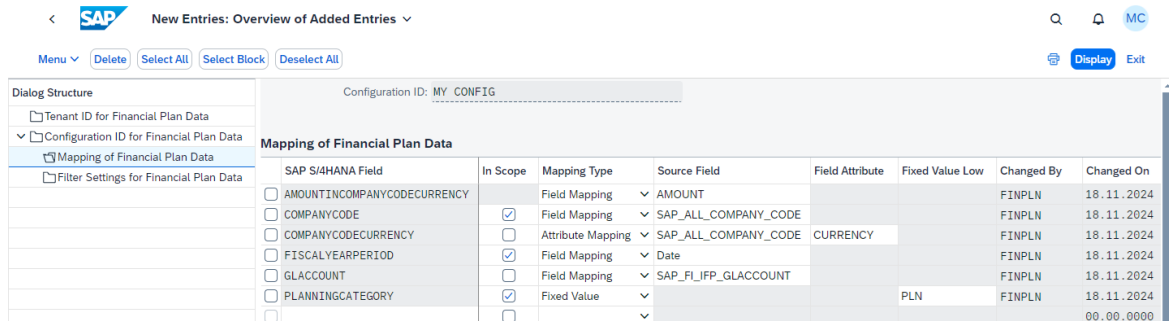
- On the [Configuration ID for Financial Plan Data](#) screen of the [Manage Financial Plan Data Jobs for SAP Analytics Cloud Integration](#) app, you can define details of the target system.



Configuration ID for Import	Description	Active	Target Type	Tenant ID for Plan Data	Provider ID for Plan Data	Provider Name for Plan Data	Package Size	Changed By	Changed On
MY CONFIG	My first configuration	☒	ACDOCP	My new Tenant	CDPQ91R5LJZKXWETOM...	SAP_FI_IFP_IM_OPEX	50.000	FINPLN	18.11.2024
		☐						00.00.0000	...
		☐						00.00.0000	...
		☐						00.00.0000	...
		☐						00.00.0000	...

Configuration ID for Financial Plan Data screen in the Manage Financial Plan Data Jobs for SAP Analytics Cloud Integration app

- On the [Mapping of Financial Plan Data](#) screen of the [Manage Financial Plan Data Jobs for SAP Analytics Cloud Integration](#) app, you can define mapping rules for each SAP S/4HANA field.



SAP S/4HANA Field	In Scope	Mapping Type	Source Field	Field Attribute	Fixed Value Low	Changed By	Changed On
AMOUNTINCOMPANYCODECURRENCY	☒	Field Mapping	AMOUNT			FINPLN	18.11.2024
COMPANYCODE	☒	Field Mapping	SAP_ALL_COMPANY_CODE			FINPLN	18.11.2024
COMPANYCODECURRENCY	☐	Attribute Mapping	SAP_ALL_COMPANY_CODE	CURRENCY		FINPLN	18.11.2024
FISCALYEARPERIOD	☒	Field Mapping	Date			FINPLN	18.11.2024
GLACCOUNT	☐	Field Mapping	SAP_FI_IFP_GLACCOUNT			FINPLN	18.11.2024
PLANNINGCATEGORY	☒	Fixed Value			PLN	FINPLN	18.11.2024
	☐						00.00.0000

Mapping of Financial Plan Data screen in the Manage Financial Plan Data Jobs for SAP Analytics Cloud Integration app

Implementation Details

To use the [Manage Financial Plan Data Jobs for SAP Analytics Cloud Integration](#) app for the **Write Back** integration scenario, you need to have completed the configuration steps in both the SAP Analytics Cloud system and SAP S/4HANA Cloud Private Edition. For more information, see [Integrating SAP Analytics Cloud with SAP S/4HANA Cloud Private Edition](#).

Authorizations

To enable users to access the [Manage Financial Plan Data Jobs for SAP Analytics Cloud Integration](#) app for the **Write Back** integration scenario, their business users need to have the following business catalog assigned: SAP_SFİN_BC_OH_PLN.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	1HB 4RC
Technical Object Name	App ID: F7902
Application Component	CO-FIO-OM-PL (<i>Financial Planning</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Exporting Data from SAP Analytics Cloud to SAP S/4HANA Cloud Private Edition](#)

4.2 Accounting and Financial Close

4.2.1 General Ledger Accounting

4.2.1.1 AI-Assisted Journal Upload

Business Details

With this feature, you can use generative AI technologies to simplify the process of creating journal entries. You can upload and maintain the posting policies and the transaction data in the system, which then uses AI to generate journal entry proposals. You can review the generated journal entry proposals, fill in missing information, and modify incorrect entries. Once the proposals are reviewed and approved, you can trigger the validation and posting processes. Successful posting results in the creation of new journal entries. This enhancement aims to reduce the manual workload for accountants, especially during period-end financial activities, by automating the generation of journal entry proposals based on transaction data and posting policies.

Two new apps, *Manage Journal Posting Policies* and *Manage Journal Upload Cases*, are now available under  *General Ledger* > *Journal Entries* > *Postings* . You can view and manage the relevant posting policies using the *Manage Journal Posting Policies* app. The *Manage Journal Upload Cases* app allows you to manage journal upload cases, upload transaction data, generate proposals, edit proposals, and validate and post proposals.

Note

This function uses generative artificial intelligence (AI). Always validate information extracted using generative AI before using it for critical applications.

Implementation Details

Authorizations

To use this feature, you must have the business role `SAP_BR_GL_ACCOUNTANT` assigned. This role allows you to create journal posting policies, create journal upload cases, and generate journal entry proposals.

Customizing

Two new Customizing activities, [Define Journal Upload Case Categories](#) and [Define Journal Upload Case Subcategories](#), are available in Customizing for *Financial Accounting* under  [Financial Accounting Global Settings](#)  [Document](#) .

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: F8539 - Manage Journal Posting Policies App ID: F8538 - Manage Journal Upload Cases
Application Component	FI - FI0 - GL (General Ledger Accounting)
Availability	SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[AI-Assisted Journal Upload](#)
[Manage Journal Posting Policies](#)
[Manage Journal Upload Cases](#)

4.2.2 Event-Based Revenue Recognition

4.2.2.1 Support of Billable Fixed Price Execution Order Items Assigned to Service Contract Item in Financial Hierarchy with Cost-Based POC Method

Business Details

The cost-based percentage of completion (POC) method is supported for a service contract item that is used as the root item in a specific hierarchy: The service contract item has multiple execution order items assigned that are connected to a maintenance order. You can now assign fixed price execution order items that are relevant for billing to such a service contract. The *Billing on Completion* billing relevance is supported for the execution order item.

This means that the execution order item can be relevant for billing and can be billed separately from the billing for the service contract item. In addition, the net value for such a billable execution order item can now also contribute to the planned revenue for the contract item stored in ACD0CP.

Implementation Details

Customizing

As a prerequisite, you need to customize the service contract item as the root item in the hierarchy. To do so, activate the respective option during Customizing under ► [SAP Customizing Implementation Guide](#) ► [Service Transactions](#) ► [Basic Settings](#) ► [Define Item Categories](#) ►.

Technical Details

Type	New
Functional Localization	No localization

Scope Item	3M3 (Event-Based Revenue Recognition - Service Documents)
	3M4 (Event-Based Revenue Recognition - Service Documents - IFRS)
	6AK (Event-Based Revenue Recognition - Service with Adv. Execution)
	6AL (Event-Based Revenue Recognition - Service with Adv. Execution - IFRS)
	6AU (Service with Advanced Execution)
Technical Object Name	Not applicable
Application Component	C0 - PC - OBJ - EBR (<i>Event-Based Revenue Recognition</i>)
	CRM - S4 - SRV - MNO (<i>Service with Advanced Execution</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Service Contract as a Root Item in a Financial Hierarchy](#)

[Event-Based Revenue Recognition for Service Contracts as Root Items in Financial Hierarchy](#)

4.2.2.2 Additional Service Order Item Category for Sales Item Supported by Event-Based Revenue Recognition

Business Details

An additional item category is now supported for service orders processed with Event-Based Revenue Recognition. The sales item category is automatically derived if a trading material is entered as service product.

You can use a sales item to trigger the creation of a follow-up sales order. With this sales order, logistical processes in Sales, such as outbound delivery or delivery-based invoicing, can be managed. Revenue recognition is then performed on the service order sales item, not on the sales order item.

Implementation Details

Customizing

In the Customizing activity under [SAP Customizing Implementation Guide](#) > [Service](#) > [Transactions](#) > [Basic Settings](#) > [Define Item Categories](#), you can select item category SRVS for [Sales Items](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	3M3 (Event-Based Revenue Recognition - Service Documents) 3M4 (Event-Based Revenue Recognition - Service Documents - IFRS) 41Z (Service Quotation and Order Management)
Technical Object Name	Not applicable
Application Component	C0 - PC - OBJ - EBR (Event-Based Revenue Recognition) CRM - S4 - SRV - SV0 (Service Order)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Items in Service Orders](#)

[Event-Based Revenue Recognition for Service Orders](#)

4.2.2.3 Billing of Price Items as Subitems for Non-Billable Execution Order Items with Event-Based Revenue Recognition

Business Details

You can now use price items as subitems of an execution order item which is not relevant for billing. This then allows that the execution order item itself is not billed, but you can control your billing process using these price

items. To continue to be able to conduct revenue recognition for these non-billable execution order items, you now assign a revenue recognition key to them.

You start by creating an execution order item that is not relevant for billing and has a revenue recognition key connected to the completed contract method (pre-delivered revenue recognition key MSOCC) assigned. Then, you create one or multiple service items as subitems of the execution order item by selecting the execution order item as the higher-level item. The *Price Item* item category is automatically selected for this subitem. When you change the status of the price item to *Completed*, you have the possibility to bill this price item independent of the status of the execution order item. This means that you can bill this subitem independently and there is no need to complete the execution order item (which functions as the header item) first. Since the execution order item has the *Not Relevant for Billing* billing relevance assigned, it will not be billed even if its status is changed to *Completed*. Therefore, this allows precise control of the billing of these execution order items.

Implementation Details

Customizing

In the Customizing activity under [SAP Customizing Implementation Guide](#) > [Controlling](#) > [Product Cost Controlling](#) > [Cost Object Controlling](#) > [Product Cost by Sales Order](#) > [Period-End Closing](#) > [Event-Based Revenue Recognition](#) > [Derivation of Recognition Key for Execution Order Items](#), you can assign the completed contract method (pre-delivered revenue recognition key MSOCC) to the non-billable execution order item.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	6AK (Event-Based Revenue Recognition - Service with Adv. Execution) 6AL (Event-Based Revenue Recognition - Service with Adv. Execution - IFRS)
Technical Object Name	Not applicable
Application Component	CO-PC-OBJ-EBR (Event-Based Revenue Recognition) CRM-S4-SRV-MNO (Service with Advanced Execution)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Price Items in Service Orders and Service Quotations](#)

[Event-Based Revenue Recognition for Service with Advanced Execution](#)

[Revenue Recognition Methods for Execution Order Items](#)

4.2.2.4 Service Hierarchy with Collective Accounting Supported by Event-Based Revenue Recognition

Business Details

A new service hierarchy with collective accounting for service orders, consisting of main items and subitems, is now supported. Revenue recognition can be conducted for this service hierarchy by assigning a revenue recognition key to the main item. If you make postings, such as confirmations or billing, at the subitem level, they are assigned to the controlling object associated with the main item. This means that only the main item is relevant for posting costs and revenues in Event-Based Revenue Recognition.

Only time and material and fixed price service items are supported as main items. The following new pre-delivered item categories are supported:

- SHSV for time and material service items as the hierarchy main item
- SHSF for fixed price service items as the hierarchy main item

To conduct revenue recognition on the main item level, the following revenue recognition methods are supported:

- Completed Contract (Method 15)
- Cost-Based Percentage of Completion (POC) (Method 3)

Implementation Details

Customizing

- Activate item-based accounting in the Customizing activity [Enable Item-Based Accounting for Service](#) in Customizing for [Service](#) under [Transactions](#) > [Settings for Service Transactions](#) > [Integration](#) .
- Select the value [Inherit to Subitems](#) for the item category for service hierarchy with collective accounting (SHSV or SHSF) in Customizing under [Service](#) > [Transactions](#) > [Basic Settings](#) > [Define Item Categories](#) .

Note

You can select this value from the dropdown list in the field [Inheritance of Account Assignment Object](#) under [Item-Based Accounting](#) in the Customizing activity [Define Item Categories](#).

- Assign the item category for service hierarchy with collective accounting (SHSV or SHSF) to an item to designate the item as the main item in the hierarchy.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	3M3 (Event-Based Revenue Recognition - Service Documents) 3M4 (Event-Based Revenue Recognition - Service Documents - IFRS) 41Z (Service Quotation and Order Management)
Technical Object Name	App ID: TBT116MSR App ID: TBT116QMSR (Manage Service Quotations)
Application Component	CO-PC-0BJ-EBR (Event-Based Revenue Recognition) CRM-S4-SRV-SV0 (Service Order)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Service Hierarchy with Collective Accounting \[page 267\]](#)

[Service Hierarchy with Collective Accounting](#)

4.2.2.5 Deprecation of Project WIP Details (F1757) App Revoked

Business Details

The Project WIP Details (F1757) app has been marked as deprecated in a previous release. This deprecation has been revoked. You can continue to use this app.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	1K2 (Event-Based Revenue Recognition - Sell from Stock) 33M (Event-Based Revenue Recognition - Sell from Stock - IFRS)
Technical Object Name	App ID: F1757
Application Component	CO-PC-0BJ-EBR (<i>Event-Based Revenue Recognition</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Project WIP Details](#)

4.2.3 Joint Venture Accounting

4.2.3.1 Deprecation of App "Asset Mapping - Intercompany"

Business Details

The *Asset Mapping - Intercompany* app in Joint Venture Accounting is deprecated and will be removed from the SAP Fiori launchpad in an upcoming release.

Technical Details

Type	Deprecated
Functional Localization	Not applicable

Scope Item	3F7 (Joint Venture Accounting)
Technical Object Name	App: Asset Mapping - Intercompany
Application Component	CA - JVA (<i>Joint Venture Accounting</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

4.2.4 Central Finance

4.2.4.1 Transfer Plan Data from SAP S/4HANA

Business Details

Using the reports listed in the [Effects on Existing Data](#) section you can transfer period-based financial plan data for different cost object types from one SAP S/4HANA source system at a time to the Central Finance (SAP S/4HANA) system. You start the plan data transfer from the Central Finance system, that is, you run the reports in the Central Finance system per cost object type.

Implementation Details

You can now transfer period-based financial plan data for the cost object types listed in the table below. The plan data in the SAP S/4HANA source system that is stored in the ACDOCP table is then transferred to the ACDOCP table where plan data is stored in the Central Finance system. You can also use the status monitor (transaction **FINS_CFIN_PD_MONITOR** - [Status of Plan Data Transfers](#)) to check whether a plan data transfer from SAP S/4HANA you performed was successful, that is, the plan data of the cost object you chose has been transferred correctly and completely to the Central Finance system. For more information on restrictions for the transfer of plan data from SAP S/4HANA, see SAP Note [3540139](#).

You must apply the following SAP Notes:

- Your Central Finance system runs on SAP S/4HANA Cloud Private Edition 2023 FPS03 or SAP S/4HANA 2023 FPS03:
SAP Note [3512038](#): This SAP Note activates the transfer of plan data in the source system.
- Your Central Finance system runs on SAP S/4HANA Cloud Private Edition 2023 FPS02 or SAP S/4HANA 2023 FPS02:
 - SAP Note [3512038](#): This SAP Note activates the transfer of plan data in the source system.
 - SAP Note [3527463](#) activates the transfer of plan data in the Central Finance system.
- Your Central Finance system runs on SAP S/4HANA Cloud Private Edition 2023 FPS01 or SAP S/4HANA 2023 FPS01:
 - SAP Note [3512038](#): This SAP Note activates the transfer of plan data in the source system.

- SAP Note [3527463](#)  activates the transfer of plan data in the Central Finance system.
- Your Central Finance system runs on SAP S/4HANA Cloud Private Edition 2023 or SAP S/4HANA 2023:
 - SAP Note [3512038](#) : This SAP Note activates the transfer of plan data in the source system.
 - SAP Note [3527463](#)  activates the transfer of plan data in the Central Finance system.

The SAP Note [3527472](#)  provides SAP customers with an overview of all SAP Notes that are required to use the transfer of plan data from an SAP S/4HANA source system in a Central Finance scenario.

Authorizations

The system administration needs to grant access so that business users who should perform the plan data transfer from SAP S/4HANA can run the respective report. For more information, see the [Authorizations](#) section in [Setting up the Transfer of Plan Data from SAP S/4HANA](#).

Customizing

There are **no** new Customizing activities delivered for the plan data transfer reports from SAP S/4HANA. For more information on the configuration needed for plan data transfer, see [Setting up the Transfer of Plan Data from SAP S/4HANA](#).

Effects on Existing Data

The SAP Menu has been enhanced. You can access the reports for transferring plan data from SAP S/4HANA in the SAP Menu under ► [Accounting](#) ► [Central Finance](#) ► [Transfer of Plan Data](#) ► [Transfer of Plan Data from SAP S/4HANA](#) ►.

SAP Menu Entry	Technical Object Name
Transfer Plan Data (Cost Centers)	Program: FINS_CFIN_PD_A2A_REPL_CC Transaction: FINS_CFIN_PD_A2A_CC
Transfer Plan Data (Activity Types)	Program: FINS_CFIN_PD_A2A_REPL_CCA Transaction: FINS_CFIN_PD_A2A_CCA
Transfer Plan Data (Orders)	Program: FINS_CFIN_PD_A2A_REPL_OR Transaction: FINS_CFIN_PD_A2A_OR
Transfer Plan Data (WBS Elements)	Program: FINS_CFIN_PD_A2A_REPL_PR Transaction: FINS_CFIN_PD_A2A_PR

Please read the section [Consider the Following Before Starting the Transfer of Plan Data](#) in [Transfer of Plan Data](#) carefully so that **no** unwanted effects on existing plan data occur.

Technical Details

Type	New
------	-----

Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	See table above
Application Component	FI - CF - PD (<i>Replication of Plan Data</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 FPS03, 2023 FPS02, 2023 FPS01, 2023

Related Information

[Transfer of Plan Data](#)

[Transfer Plan Data: Recipients in SAP Application Framework \[page 59\]](#)

4.2.4.2 Transfer Plan Data: Recipients in SAP Application Framework

Business Details

In SAP Application Interface Framework (SAP AIF), you use recipients to define which users should be responsible for which data messages. The SAP AIF recipient that is assigned to a user determines which data messages a user can view in the [Interface Monitor](#) and for which data messages a user receives alerts.

With this feature, you can ensure that data messages from the transfer of period-based financial plan data from a source (SAP S/4HANA) system to the Central Finance system are distributed only to those users for whom they are relevant.

Implementation Details

You must apply the following SAP Notes:

- Your Central Finance system runs on SAP S/4HANA Cloud Private Edition 2023 FPS03 or SAP S/4HANA 2023 FPS03:
SAP Note [3512038](#) : This SAP Note activates the transfer of plan data in the source system.
- Your Central Finance system runs on SAP S/4HANA Cloud Private Edition 2023 FPS02 or SAP S/4HANA 2023 FPS02:
 - SAP Note [3512038](#) : This SAP Note activates the transfer of plan data in the source system.
 - SAP Note [3527463](#)  activates the transfer of plan data in the Central Finance system.

- Your Central Finance system runs on SAP S/4HANA Cloud Private Edition 2023 FPS01 or SAP S/4HANA 2023 FPS01:
 - SAP Note [3512038](#) : This SAP Note activates the transfer of plan data in the source system.
 - SAP Note [3527463](#)  activates the transfer of plan data in the Central Finance system.
 - Your Central Finance system runs on SAP S/4HANA Cloud Private Edition 2023 or SAP S/4HANA 2023:
 - SAP Note [3512038](#) : This SAP Note activates the transfer of plan data in the source system.
 - SAP Note [3527463](#)  activates the transfer of plan data in the Central Finance system.
- The SAP Note [3527472](#)  provides SAP customers with an overview of all SAP Notes that are required to use the transfer of plan data from SAP S/4HANA in a Central Finance scenario.

Authorizations

The business role template for administrative tasks in Central Finance (SAP_SFIN_CFIN_ADMIN) has been enhanced to include the transaction **FINS_CFIN_PD_RCP_A2A** for recipients for the plan data transfer from an SAP S/4HANA source system. A business role similar to this business role template must be assigned to the user who should set up recipient handling for plan data transfer from SAP S/4HANA.

Customizing

- To be able to use the recipients for plan data transfer, you must extract the deployment scenario for plan data transfers.
To do this, enter transaction **/AIF/CONTENT_EXTRACT** and choose Deployment Scenario [SAP_AIF_0103](#) to execute. After this, you can use Monitoring and Error Handling (transaction **/AIF/ERR**) and choose namespace **/FINCF** and Interface **PD_A2A** Version 1.
To check whether the interface **PD_A2A** in version 1 is available, start transaction **/AIF/CUST** with path [SAP Application Interface Framework](#) > [Interface Development](#) > [Define Interfaces](#) and namespace **/FINCF**.
- A new Customizing activity is delivered that you can access by starting the transaction **CFINIMG** and path [Central Finance: Target System Settings](#) > [Basic Settings](#) > [Recipients in AIF](#) > [Assign Recipients to Plan Data Interface \(PD_A2A\)](#).
In this Customizing activity you assign recipients to the plan data interface **PD_A2A** in the Central Finance namespace **/FINCF**. This enables that data messages for the transfer of period-based financial plan data are only distributed to the users to whom they are relevant.
For configuration details, read the documentation of the Customizing activity in the system.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Transaction FINS_CFIN_PD_RCP_A2A
Application Component	FI - CF - PD (Central Finance - Replication of Plan Data)

Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 FPS03, 2023 FPS02, 2023 FPS01, 2023

Related Information

[Transfer of Plan Data](#)

[Transfer Plan Data from SAP S/4HANA \[page 57\]](#)

4.2.4.3 Deactivate Use of External Tax Engine for Company Codes in US, CA, and PR

Business Details

When replicated FI documents are posted to the Central Finance system, the tax is recalculated and compared with the documents transferred from the source system.

If you use an external tax engine in your source system, then the same tax engine should be used for the recalculation of tax in the Central Finance system.

The activity **Deactivate Use of External Tax Engine for Company Codes in US, CA, and PR** allows you to deactivate the call of the external tax engine for a specific company code in the USA, Canada, or Puerto Rico.

If no specific entry exists for a company code in the USA (US), Canada (CA), and Puerto Rico (PR), the external tax engine is used.

External tax calculation is supported in the SAP Standard system for US, CA, and PR only.

You cannot deactivate the external tax engine for company codes in other countries.

Implementation Details

If you want to deactivate the external tax engine for a company code, set the indicator in the **Deactivate** field.

You can reactivate the external tax engine by removing the indicator.

Customizing

A new Customizing activity has been added: ► [Central Finance](#) ► [Central Finance: Target System Settings](#) ► [Settings for Account Document Replication](#) ► [Deactivate Use of External Tax Engine for Company Codes in US, CA, and PR](#) ►.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	FI - CF - AC (<i>Central Finance - Replication of FI Postings</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 FPS03

Related Information

[External Tax Calculation](#)
[VAT Recalculation Check](#)

4.2.4.4 Parallel Accounting: Account to Ledger Mapping with Company Code

Business Details

The **Parallel Accounting: Account-to-Ledger Solution** 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. A new field - **Company Code** - has been added to the activity **Assign Source G/L Accounts to Central Finance Ledger Groups** enabling you to define that postings for a specific company code go to a specific ledger groups, depending on your requirements.

You can maintain entries for specific company codes or generic entries without a company code, which will be valid for all company codes of the source system which use that specific chart of accounts. If a specific configuration for the G/L account in a company code exists, then this entry is used. Otherwise, the default entry without a company code is used.

Implementation Details

Customizing

A new column - **Company Code** - has been added to the Customizing activity **Assign Source G/L Accounts to Central Finance Ledger Groups**.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	FI - CF - AC (<i>Central Finance - Replication of FI Postings</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 FPS03

Related Information

[Parallel Accounting: Account to Ledger Solution](#)

4.2.4.5 Third-Party System Interface: Schedule Cleanup of Staging Tables

Business Details

You are using a Central Finance scenario where financial accounting (FI) data is replicated from a third-party source system to the Central Finance system via the third-party system interface. You can now clean up FI data from staging tables, such as `/1LT/CF_E_HEADER` and `/1LT/CF_E_ACCT` using the Cleanup of Staging Tables for FI Third-Party System Interface program (`FINS_CFIN_EX_FI_CLEANUP`).

For information on how to use the report, please display the program documentation in the system by calling transaction SA38 with program `FINS_CFIN_EX_FI_CLEANUP` and choose [F8](#) (Execute). Then choose the i-button, or if you are using Web GUI, access the documentation with [More -> Program Documentation](#).

Implementation Details

General Prerequisites

If your Central Finance system runs on SAP S/4HANA Cloud Private Edition 2023 FPS03 down to and including SAP S/4HANA Cloud Private Edition 1909, you must apply SAP Note [3513952](#) .

Authorizations

You need authorization for authorization object S_DMIS with the following authorization field values:

Field MBT_PR_ARE: SLOP

Field MBT_PR_LEV: Package

Field ACTVT: 06

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Transaction FINS_CFIN_EX_FI_CLEANUP
Application Component	FI - CF - EX (<i>Central Finance - External Interface Third-Party Systems</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 FPS03 and lower releases down to and including 1909

Related Information

[Replicating Financial Accounting Documents](#)
[Schedule Cleanup of Staging Tables](#)

4.2.4.6 Statutory Reporting: Country/Region-Specific Reports

Business Details

This feature enables you to use country/region-specific statutory reports in Central Finance. Below, you can see a list of reports that have been additionally enabled in Central Finance.

Implementation Details

The reports in the table below have been additionally enabled in Central Finance.

For the complete list of statutory reports supported in Central Finance for a country/region, see the link in the [Related Information](#) section.

Country/Region	Task	Report Category	Additional Information
France	Preparing the Audit File (FEC) for Foreign Companies	FR_AUDIT_FEC	This activity is available only for non-French company codes that are registered for tax in France and for which plants abroad is active. To learn about the restrictions on foreign currencies other than euros, refer to Preparing the Audit File (FEC) for Foreign Companies. Ensure that the relevant reports, such as the France VAT Return, are executed in the same Central Finance system.
Greece	Document Journal	GR_DOCUMENT_JOURNAL	n/a
Greece	Monthly Document Journal	GR_DOCUMENT_JOURNAL_MREP	n/a
India	Form 26Q	IN_WHT_DCL_QRETURNS	You must use Central Payments to create remittance challans and bank challans in Central Finance. For more information on how to use Central Payments in a Central Finance scenario and how to configure it, you can read in Central Payment.
Ireland	Enhanced Reporting Requirements	IE_ERR	n/a

Country/Region	Task	Report Category	Additional Information
Romania	Standard Audit File - Taxation (SAF-T) Tax Non-Residents	RO_SAFT_TAX_NON_RESIDENT	The Product data are not replicated to the Central Finance system. If the Product data are not maintained in Central Finance, then in the XML file generated by the report: - The MasterFiles/Products section will be empty. - The SourceDocuments/SalesInvoices and the SourceDocuments/PurchaseInvoices sections will not contain Product details of the invoices. Quantity and unit of measure are not displayed in the report if these values are not available in journal entry line item tables (ACDOCA or BSEG).
Singapore	Cash Flow Statements - Direct Method	SG_CASHFLOW_DIRECT	n/a
Singapore	Cash Flow Statements - Indirect Method	SG_CASHFLOW_INDIRECT	n/a
Slovenia	Financial Account Statistics – SFR	SI_SFR	n/a
Slovenia	Cash Flow Statement	SI_CASHFLOW_N	n/a
Slovenia	Trades and Transfers with Non-Residents - BST	SI_BST	n/a
Slovenia	Receivables and Payables of Non-Residents - KRD	SI_KRD	n/a
Switzerland	Cash Flow Statement	CH_CASHFLOW_N	n/a

The reports in the table below were previously enabled in Central Finance. Now restrictions have been added to these reports.

Reports With Updated Restrictions in Central Finance

Country/Region	Description	Technical Name	Restriction Updated
Bulgaria	VAT Declaration	BG_VAT_DCL	

Country/Region	Description	Technical Name	Restriction Updated										
Canada	Withholding Tax Report (T4A-NR)	CA_WHT_T4ANR	SAP ERP and Third-Party Source Systems: Country-Specific Fields <table><thead><tr><th>Data</th><th>Central Finance System (GLO* Fields)</th></tr></thead><tbody><tr><td>Number of Days Spent in Canada</td><td><i>Days Spent in Canada</i> (BKPF - GLO_REF2_HD)</td></tr><tr><td>Province/Territory of Service</td><td><i>Province/Territory of Service</i> (BKPF - GLO_REF3_HD)</td></tr><tr><td>City of Service</td><td><i>City of Service</i> (BKPF - GLO_REF4_HD)</td></tr><tr><td>Travel Expenses</td><td><i>Travel Expenses</i>(BKPF - GLO_REF5_HD)</td></tr></tbody></table>	Data	Central Finance System (GLO* Fields)	Number of Days Spent in Canada	<i>Days Spent in Canada</i> (BKPF - GLO_REF2_HD)	Province/Territory of Service	<i>Province/Territory of Service</i> (BKPF - GLO_REF3_HD)	City of Service	<i>City of Service</i> (BKPF - GLO_REF4_HD)	Travel Expenses	<i>Travel Expenses</i> (BKPF - GLO_REF5_HD)
Data	Central Finance System (GLO* Fields)												
Number of Days Spent in Canada	<i>Days Spent in Canada</i> (BKPF - GLO_REF2_HD)												
Province/Territory of Service	<i>Province/Territory of Service</i> (BKPF - GLO_REF3_HD)												
City of Service	<i>City of Service</i> (BKPF - GLO_REF4_HD)												
Travel Expenses	<i>Travel Expenses</i> (BKPF - GLO_REF5_HD)												

Country/Region	Description	Technical Name	Restriction Updated
Colombia	1005 Report Format: Deductible Taxes on Sales to Be Paid	CO_DIAN_1005	

Country/Region	Description	Technical Name	Restriction Updated				
Colombia	1006 Report Format: Generated Taxes on Sales to Be Paid and Consumption Tax	CO_DIAN_1006	SAP ERP and Third-Party Source Systems: Country-Specific Fields For SAP ERP and third-party source systems, you must ensure that in the Central Finance system the corresponding data is entered in the following country-specific fields of documents required for the report: <table><tr><th>Data</th><th>Central Finance System (GLO* Fields)</th></tr><tr><td>Identification of third-party in the transaction</td><td>Identification of third-party in the transaction (BSEG-GLO_REF1)</td></tr></table>	Data	Central Finance System (GLO* Fields)	Identification of third-party in the transaction	Identification of third-party in the transaction (BSEG-GLO_REF1)
Data	Central Finance System (GLO* Fields)						
Identification of third-party in the transaction	Identification of third-party in the transaction (BSEG-GLO_REF1)						

Country/Region	Description	Technical Name	Restriction Updated				
Colombia	1007 Report Format: Revenues in the Year	CO_DIAN_1007	SAP ERP and Third-Party Source Systems: Country-Specific Fields For SAP ERP and third-party source systems, you must ensure that in the Central Finance system the corresponding data is entered in the following country-specific fields of documents required for the report: <table><thead><tr><th>Data</th><th>Central Finance System (GLO* Fields)</th></tr></thead><tbody><tr><td>Identification of third-party in the transaction</td><td>Identification of third-party in the transaction (BSEG - GLO_REF1)</td></tr></tbody></table>	Data	Central Finance System (GLO* Fields)	Identification of third-party in the transaction	Identification of third-party in the transaction (BSEG - GLO_REF1)
Data	Central Finance System (GLO* Fields)						
Identification of third-party in the transaction	Identification of third-party in the transaction (BSEG - GLO_REF1)						

Country/Region	Description	Technical Name	Restriction Updated								
Mexico	Journal Entries Details	MX_JE_DETAILS	SAP ERP and Third-Party Source Systems: Country-Specific Fields For SAP ERP and third-party source systems, you must ensure that in the Central Finance system the corresponding data is entered in the following country-specific fields of documents required for the report: <table><thead><tr><th>Data</th><th>Central Finance System (GLO* Fields)</th></tr></thead><tbody><tr><td>The Mexico compensation UUID information</td><td>The Mexico compensation UUID information (BKPF - GLO_REF1_HD)</td></tr><tr><td>Manual payment details</td><td>Manual payment details (BKPF - GLO_REF5_HD))</td></tr><tr><td>Identification of third-party in the transaction</td><td>Identification of third-party in the transaction (BSEG - GLO_REF1)</td></tr></tbody></table>	Data	Central Finance System (GLO* Fields)	The Mexico compensation UUID information	The Mexico compensation UUID information (BKPF - GLO_REF1_HD)	Manual payment details	Manual payment details (BKPF - GLO_REF5_HD))	Identification of third-party in the transaction	Identification of third-party in the transaction (BSEG - GLO_REF1)
Data	Central Finance System (GLO* Fields)										
The Mexico compensation UUID information	The Mexico compensation UUID information (BKPF - GLO_REF1_HD)										
Manual payment details	Manual payment details (BKPF - GLO_REF5_HD))										
Identification of third-party in the transaction	Identification of third-party in the transaction (BSEG - GLO_REF1)										

Country/Region	Description	Technical Name	Restriction Updated						
Mexico	Auxiliary Report for Folios	MX_FOLIOS_AUX	SAP ERP and Third-Party Source Systems: Country-Specific Fields For SAP ERP and third-party source systems, you must ensure that in the Central Finance system the corresponding data is entered in the following country-specific fields of documents required for the report: <table><thead><tr><th>Data</th><th>Central Finance System (GLO* Fields)</th></tr></thead><tbody><tr><td>Mexico Compensation UUID for Electronic Accounting</td><td><i>Mexico Compensation UUID for Electronic Accounting</i> (BKPF - GLO_REF1_HD)</td></tr><tr><td>Manual payment details</td><td><i>Manual payment details</i> (BKPF - GLO_REF5_HD)</td></tr></tbody></table>	Data	Central Finance System (GLO* Fields)	Mexico Compensation UUID for Electronic Accounting	<i>Mexico Compensation UUID for Electronic Accounting</i> (BKPF - GLO_REF1_HD)	Manual payment details	<i>Manual payment details</i> (BKPF - GLO_REF5_HD)
Data	Central Finance System (GLO* Fields)								
Mexico Compensation UUID for Electronic Accounting	<i>Mexico Compensation UUID for Electronic Accounting</i> (BKPF - GLO_REF1_HD)								
Manual payment details	<i>Manual payment details</i> (BKPF - GLO_REF5_HD)								

Country/Region	Description	Technical Name	Restriction Updated
Poland	Customer Balances and Line Items	PL_TRIALBAL_LINEITM_CUST	<

Country/Region	Description	Technical Name	Restriction Updated
			Central Finance System (GLO* Fields) Data GLO_DAT3_HD) Payment Order Date Payment Order Date (BKPF - GLO_DAT4_HD) Incoming Invoice Date for Commission Incoming Invoice Date for Commission (BKPF - GLO_DAT5_HD) External Number External Number (BKPF - GLO_REF1_HD) Original Document Reference Number Original Document Reference Number (BKPF - GLO_REF2_HD) Revision Number Revision Number (BKPF - GLO_REF3_HD) Payment Order Number Payment Order Number (BKPF - GLO_REF4_HD) Incoming Invoice Number for Commission Trade Incoming Invoice Number for Commission Trade (BKPF -

Country/Region	Description	Technical Name	Restriction Updated
			Central Fi- nance Sys- tem (GLO* Fields)
			Data
			GLO_REF5_ HD)

Country/Region	Description	Technical Name	Restriction Updated
Russia	Invoice Journal	RU_INVOICE_JOURNAL	</

Country/Region	Description	Technical Name	Restriction Updated
			Central Fi- nance Sys- tem (GLO* Fields) Data
			GLO_DAT3_ HD)
	Payment Or- der Date		Payment Order Date (BKPF - GLO_DAT4_ HD)
	Incoming In- voice Date for Commis- sion		Incoming Invoice Date for Commission (BKPF - GLO_DAT5_ HD)
	External Number		External Number (BKPF - GLO_REF1_ HD)
	Original Document Reference Number		Original Document Reference Number (BKPF - GLO_REF2_ HD)
	Revision Number		Revision Number (BKPF - GLO_REF3_ HD)
	Payment Or- der Number		Payment Order Number (BKPF - GLO_REF4_ HD)
	Incoming In- voice Num- ber for Com- mission Trade		Incoming Invoice Number for Commission Trade (BKPF -

Country/Region	Description	Technical Name	Restriction Updated
			Central Fi- nance Sys- tem (GLO* Fields)
			Data
			GLO_REF5_ HD)

Country/Region	Description	Technical Name	Restriction Updated
Russia	Purchase Ledger	RU_PURCHASE_LEDGER	

Country/Region	Description	Technical Name	Restriction Updated
			Central Finance System (GLO* Fields)
		Data	
			GLO_DAT3_HD)
	Payment Order Date		Payment Order Date (BKPF - GLO_DAT4_HD)
	Incoming Invoice Date for Commission		Incoming Invoice Date for Commission (BKPF - GLO_DAT5_HD)
	External Number		External Number (BKPF - GLO_REF1_HD)
	Original Document Reference Number		Original Document Reference Number (BKPF - GLO_REF2_HD)
	Revision Number		Revision Number (BKPF - GLO_REF3_HD)
	Payment Order Number		Payment Order Number (BKPF - GLO_REF4_HD)
	Incoming Invoice Number for Commission Trade		Incoming Invoice Number for Commission Trade (BKPF -

Country/Region	Description	Technical Name	Restriction Updated
			Central Fi- nance Sys- tem (GLO* Fields)
			Data
			GLO_REF5_ HD)

Country/Region	Description	Technical Name	Restriction Updated
			Central Finance System (GLO* Fields)
			Data
			GLO_DAT3_HD)
	Payment Order Date		Payment Order Date (BKPF - GLO_DAT4_HD)
	Incoming Invoice Date for Commission		Incoming Invoice Date for Commission (BKPF - GLO_DAT5_HD)
	External Number		External Number (BKPF - GLO_REF1_HD)
	Original Document Reference Number		Original Document Reference Number (BKPF - GLO_REF2_HD)
	Revision Number		Revision Number (BKPF - GLO_REF3_HD)
	Payment Order Number		Payment Order Number (BKPF - GLO_REF4_HD)
	Incoming Invoice Number for Commission Trade		Incoming Invoice Number for Commission Trade (BKPF -

Country/Region	Description	Technical Name	Restriction Updated
			Central Fi- nance Sys- tem (GLO* Fields)
			Data
			GLO_REF5_ HD)

Country/Region	Description	Technical Name	Restriction Updated												
Russia	VAT Return	RU_VAT_DCL	SAP ERP and Third-Party Source Systems: Country-Specific Fields For SAP ERP and third-party source systems, you must ensure that in the Central Finance system the corresponding data is entered in the following country-specific fields of documents required for the report: <table><thead><tr><th>Data</th><th>Central Finance System (GLO* Fields)</th></tr></thead><tbody><tr><td>Real Seller for Commission Trade</td><td><i>Real Seller for Commission Trade</i> (BKPF - GLO_BP1_HD)</td></tr><tr><td>Real Buyer for Commission Trade</td><td><i>Real Buyer for Commission Trade</i> (BKPF - GLO_BP2_HD)</td></tr><tr><td>External Document Date</td><td>External Document Date (BKPF - GLO_DAT1_HD)</td></tr><tr><td>Revision Date</td><td><i>Revision Date</i> (BKPF - GLO_DAT2_HD)</td></tr><tr><td>Tax Reporting Date of Revision Document</td><td><i>Tax Reporting Date of Revision Document</i> (BKPF -</td></tr></tbody></table>	Data	Central Finance System (GLO* Fields)	Real Seller for Commission Trade	<i>Real Seller for Commission Trade</i> (BKPF - GLO_BP1_HD)	Real Buyer for Commission Trade	<i>Real Buyer for Commission Trade</i> (BKPF - GLO_BP2_HD)	External Document Date	External Document Date (BKPF - GLO_DAT1_HD)	Revision Date	<i>Revision Date</i> (BKPF - GLO_DAT2_HD)	Tax Reporting Date of Revision Document	<i>Tax Reporting Date of Revision Document</i> (BKPF -
Data	Central Finance System (GLO* Fields)														
Real Seller for Commission Trade	<i>Real Seller for Commission Trade</i> (BKPF - GLO_BP1_HD)														
Real Buyer for Commission Trade	<i>Real Buyer for Commission Trade</i> (BKPF - GLO_BP2_HD)														
External Document Date	External Document Date (BKPF - GLO_DAT1_HD)														
Revision Date	<i>Revision Date</i> (BKPF - GLO_DAT2_HD)														
Tax Reporting Date of Revision Document	<i>Tax Reporting Date of Revision Document</i> (BKPF -														

Country/Region	Description	Technical Name	Restriction Updated
			Central Finance System (GLO* Fields)
		Data	
			GLO_DAT3_HD)
	Payment Order Date		<i>Payment Order Date</i> (BKPF - GLO_DAT4_HD)
	Incoming Invoice Date for Commission		<i>Incoming Invoice Date for Commission</i> (BKPF - GLO_DAT5_HD)
	External Number		<i>External Number</i> (BKPF - GLO_REF1_HD)
	Original Document Reference Number		<i>Original Document Reference Number</i> (BKPF - GLO_REF2_HD)
	Revision Number		<i>Revision Number</i> (BKPF - GLO_REF3_HD)
	Payment Order Number		<i>Payment Order Number</i> (BKPF - GLO_REF4_HD)
	Incoming Invoice Number for Commission Trade		<i>Incoming Invoice Number for Commission Trade</i> (BKPF -

Country/Region	Description	Technical Name	Restriction Updated
			Central Finance System (GLO* Fields) Data GLO_REF5_HD)
Russia	VAT Return for Import	RU_VAT_DCL_EAEU	SAP ERP and Third-Party Source Systems: Country-Specific Fields For SAP ERP and third-party source systems, you must ensure that in the Central Finance system the corresponding data is entered in the following country-specific fields of documents required for the report: Central Finance System (GLO* Fields) Data External Document Date <i>External Document Date</i> (BKPF - GLO_DAT1_HD) External Number <i>External Number</i> (BKPF - GLO_REF1_HD)

Country/Region	Description	Technical Name	Restriction Updated
South Korea	VAT Return: Export Performance Specification	KR_VAT_REP	

Country/Region	Description	Technical Name	Restriction Updated						
South Korea	VAT Return: VAT Base Amount and Tax Amount per Business Unit (Business Place) Taxation	KR_VAT_REP	SAP ERP and Third-Party Source Systems: Country-Specific Fields For SAP ERP and third-party source systems, you must ensure that in the Central Finance system the corresponding data is entered in the following country-specific fields of documents required for the report: <table><thead><tr><th>Data</th><th>Central Finance System (GLO* Fields)</th></tr></thead><tbody><tr><td>Transfer Date of Tax Invoice</td><td>Transfer Date of Tax Invoice (GLO_DAT1_HD)</td></tr><tr><td>Approval ID for Tax Invoice of South Korea</td><td>Approval ID for Tax Invoice of South Korea (GLO_REF1_HD)</td></tr></tbody></table>	Data	Central Finance System (GLO* Fields)	Transfer Date of Tax Invoice	Transfer Date of Tax Invoice (GLO_DAT1_HD)	Approval ID for Tax Invoice of South Korea	Approval ID for Tax Invoice of South Korea (GLO_REF1_HD)
Data	Central Finance System (GLO* Fields)								
Transfer Date of Tax Invoice	Transfer Date of Tax Invoice (GLO_DAT1_HD)								
Approval ID for Tax Invoice of South Korea	Approval ID for Tax Invoice of South Korea (GLO_REF1_HD)								

Country/Region	Description	Technical Name	Restriction Updated						
South Korea	Zero Tax Rate Sales State- ment	KR_VAT_REP	SAP ERP and Third-Party Source Systems: Country- Specific Fields For SAP ERP and third-party source systems, you must ensure that in the Central Finance system the corre- sponding data is entered in the following country-spe- cific fields of documents re- quired for the report: <table><thead><tr><th>Data</th><th>Central Fi- nance Sys- tem (GLO* Fields)</th></tr></thead><tbody><tr><td>Transfer Date of Tax Invoice</td><td><i>Transfer Date of Tax Invoice</i> (GLO_DAT1_ HD)</td></tr><tr><td>Approval ID for Tax In- voice of South Korea</td><td><i>Approval ID for Tax Invoice of South Korea</i> (GLO_REF1_ HD)</td></tr></tbody></table>	Data	Central Fi- nance Sys- tem (GLO* Fields)	Transfer Date of Tax Invoice	<i>Transfer Date of Tax Invoice</i> (GLO_DAT1_ HD)	Approval ID for Tax In- voice of South Korea	<i>Approval ID for Tax Invoice of South Korea</i> (GLO_REF1_ HD)
Data	Central Fi- nance Sys- tem (GLO* Fields)								
Transfer Date of Tax Invoice	<i>Transfer Date of Tax Invoice</i> (GLO_DAT1_ HD)								
Approval ID for Tax In- voice of South Korea	<i>Approval ID for Tax Invoice of South Korea</i> (GLO_REF1_ HD)								

Country/Region	Description	Technical Name	Restriction Updated						
Spain	Withholding Tax - Modelo 190	ES_WHT_M190	SAP ERP and Third-Party Source Systems: Country-Specific Fields For SAP ERP and third-party source systems, you must ensure that in the Central Finance system the corresponding data is entered in the following country-specific fields of documents required for the report: <table><tr><th>Data</th><th>Central Finance System (GLO* Fields)</th></tr><tr><td>Cadastral reference for Spain legal reporting</td><td>Cadastral reference for Spain legal reporting (GLO_REF2_HD)</td></tr><tr><td>Service Region for Spain legal reporting</td><td>Service Region for Spain legal reporting (GLO_REF3_HD)</td></tr></table>	Data	Central Finance System (GLO* Fields)	Cadastral reference for Spain legal reporting	Cadastral reference for Spain legal reporting (GLO_REF2_HD)	Service Region for Spain legal reporting	Service Region for Spain legal reporting (GLO_REF3_HD)
Data	Central Finance System (GLO* Fields)								
Cadastral reference for Spain legal reporting	Cadastral reference for Spain legal reporting (GLO_REF2_HD)								
Service Region for Spain legal reporting	Service Region for Spain legal reporting (GLO_REF3_HD)								

Country/Region	Description	Technical Name	Restriction Updated						
Spain	Withholding Tax - Modelo 111	ES_WHT_M111	SAP ERP and Third-Party Source Systems: Country-Specific Fields For SAP ERP and third-party source systems, you must ensure that in the Central Finance system the corresponding data is entered in the following country-specific fields of documents required for the report: <table><thead><tr><th>Data</th><th>Central Finance System (GLO* Fields)</th></tr></thead><tbody><tr><td>Cadastral reference for Spain legal reporting</td><td>Cadastral reference for Spain legal reporting (GLO_REF2_HD)</td></tr><tr><td>Service Region for Spain legal reporting</td><td>Service Region for Spain legal reporting (GLO_REF3_HD)</td></tr></tbody></table>	Data	Central Finance System (GLO* Fields)	Cadastral reference for Spain legal reporting	Cadastral reference for Spain legal reporting (GLO_REF2_HD)	Service Region for Spain legal reporting	Service Region for Spain legal reporting (GLO_REF3_HD)
Data	Central Finance System (GLO* Fields)								
Cadastral reference for Spain legal reporting	Cadastral reference for Spain legal reporting (GLO_REF2_HD)								
Service Region for Spain legal reporting	Service Region for Spain legal reporting (GLO_REF3_HD)								

Country/Region	Description	Technical Name	Restriction Updated						
Spain	Withholding Tax - Modelo 216	ES_WHT_M216	SAP ERP and Third-Party Source Systems: Country-Specific Fields For SAP ERP and third-party source systems, you must ensure that in the Central Finance system the corresponding data is entered in the following country-specific fields of documents required for the report: <table><thead><tr><th>Data</th><th>Central Finance System (GLO* Fields)</th></tr></thead><tbody><tr><td>Cadastral reference for Spain legal reporting</td><td>Cadastral reference for Spain legal reporting (GLO_REF2_HD)</td></tr><tr><td>Service Region for Spain legal reporting</td><td>Service Region for Spain legal reporting (GLO_REF3_HD)</td></tr></tbody></table>	Data	Central Finance System (GLO* Fields)	Cadastral reference for Spain legal reporting	Cadastral reference for Spain legal reporting (GLO_REF2_HD)	Service Region for Spain legal reporting	Service Region for Spain legal reporting (GLO_REF3_HD)
Data	Central Finance System (GLO* Fields)								
Cadastral reference for Spain legal reporting	Cadastral reference for Spain legal reporting (GLO_REF2_HD)								
Service Region for Spain legal reporting	Service Region for Spain legal reporting (GLO_REF3_HD)								

Country/Region	Description	Technical Name	Restriction Updated
Spain	Withholding Tax - Modelo 296	ES_WHT_M296	

Country/Region	Description	Technical Name	Restriction Updated						
Spain	Withholding Tax - Modelo 123	ES_WHT_M123	SAP ERP and Third-Party Source Systems: Country-Specific Fields For SAP ERP and third-party source systems, you must ensure that in the Central Finance system the corresponding data is entered in the following country-specific fields of documents required for the report: <table><thead><tr><th>Data</th><th>Central Finance System (GLO* Fields)</th></tr></thead><tbody><tr><td>Cadastral reference for Spain legal reporting</td><td>Cadastral reference for Spain legal reporting (GLO_REF2_HD)</td></tr><tr><td>Service Region for Spain legal reporting</td><td>Service Region for Spain legal reporting (GLO_REF3_HD)</td></tr></tbody></table>	Data	Central Finance System (GLO* Fields)	Cadastral reference for Spain legal reporting	Cadastral reference for Spain legal reporting (GLO_REF2_HD)	Service Region for Spain legal reporting	Service Region for Spain legal reporting (GLO_REF3_HD)
Data	Central Finance System (GLO* Fields)								
Cadastral reference for Spain legal reporting	Cadastral reference for Spain legal reporting (GLO_REF2_HD)								
Service Region for Spain legal reporting	Service Region for Spain legal reporting (GLO_REF3_HD)								

Technical Object Name	See the table above
Application Component	FI - CF (Central Finance)
Availability	SAP S/4HANA 2023 FPS03
Valid as Of	2023 FPS03

Related Information

[Central Payment](#)

[Statutory Reporting: Country/Region-Specific Reports in Central Finance](#)

4.3 Treasury Management

4.3.1 Treasury and Risk Management

4.3.1.1 Authorization Check in Market Data Apps Enhanced

Business Details

The [Import Market Data](#) and [Import Foreign Exchange Rates](#) apps now also check whether authorization for an exchange rate type and currency pair is provided via authorization object [Authorization to Maintain Exchange Rates](#) (F_CUREXRAT).

With authorization object [Authorization to Maintain Exchange Rates](#) (F_CUREXRAT), you can give authorization to monitor, change, create, and delete foreign exchange rates.

This authorization object contains the following fields and values:

- ACTVT (Activity)
 - 01 [Create](#) or [Generate](#)
 - 02 [Change](#)
 - 03 [Display](#)
 - 06 [Delete](#)
 - F4 Read authorization in input help
- KURST [Exchange Rate Type](#)
- FCURR [From Currency](#)
- TCURR [To Currency](#)

Implementation Details

Authorizations

Update the authorizations for the affected users.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	1X1 (Foreign Currency Risk Management) 1WV (Debt and Investment Management)
Technical Object Name	App ID: F2092 App ID: F2610
Application Component	FIN - FSCM - TRM (<i>Treasury and Risk Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Import Market Data](#)

[Import Foreign Exchange Rates](#)

4.3.1.2 Terminate Variable Interest Rate Transaction After Interest Rate Fixing

Business Details

With this feature, it is now possible to terminate an interest rate transaction with a variable interest rate after interest rate fixing has been performed for the current interest period. The interest flow of the current period is calculated for the days up to the termination date based on the fixed interest rate.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	1WV (Debt and Investment Management)
Technical Object Name	App-ID: F6157
Application Component	FIN - FSCM - TRM (<i>Treasury and Risk Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Processing Interest Rate Instruments](#)

4.3.1.3 Balance Sheet FX Risk - Customer-Specific Dimension

Business Details

With this feature, you have greater flexibility for the aggregation level for the snapshot of the balance sheet exposure, by selecting two additional dimensions.

A snapshot stores the balance of balance sheet exposures aggregated to several possible dimensions, for example: *Key Figure*, *Financial Account Number*, *Financial Chart of Accounts*, *Planning Level*, *Portfolio*, or *Product Type*. If you need more flexibility for the aggregation level for the snapshot of the balance sheet exposure, you can select up to two additional dimensions such as *Cost Center*, *Profit Center*, or *Segment*. The related hedge requests then also consider the new aggregation level so that hedging can be done on a level that reflects its transaction structure with the corresponding account assignments.

The additional customer-specific dimensions must be available for all relevant data sources, such as *FI Balances*, *FI Open Items*, *One Exposure*, and *Financial Transactions*. The dimensions must also exist as a balance sheet hedge request attribute.

You can choose between the following customer-specific dimensions:

Fields Available in B/S Hedge Request	Availability in Financial Transactions of TRM	Availability in Financials (FI Balances and FI Open Items)	Availability in One Exposure
COST_CENTER <i>Cost Center</i>	X	X	X
PORTFOLIO <i>Portfolio</i>	X		X
PROFIT_CENTER <i>Profit Center</i>	X	X	X
SEGMENT <i>Segment</i>	X	X	X
WBS_ELEMENT <i>WBS Element</i>	X		X

Implementation Details

If you need to create an incident regarding this feature, use component **FIN-FSCM-TRM-TM-HM**.

Customizing

- [Define Key Figure Dimension Extensions](#)

In this Customizing activity, you can choose new key figure dimensions of each data source. These dimensions are then considered when you take a new exposure snapshot. Enter the dimension field name of the data source that you would like to use. You must also specify the field to which you want it to be mapped in the balance sheet hedge request. The newly defined key figure dimensions for the exposures are also used as dimensions for the aggregation of the balance sheet hedge requests.

Note

Caution: Before you change or remove entries in this Customizing activity, ensure that no key figure selections have been saved for these fields in the [Define Settings - Balance Sheet FX Risk](#) app (app ID: FXM_KF_DF). First delete any selections saved for these fields.

Example

For example, you want to add *Profit Center* as a new dimension for all data sources that that you also want to map to the hedge request:

B/S Hedge Request Field Name	TRM Dimension Extension Field Name	Financial Dimension Extension Field Name	One Exposure Dim. Field Name
PROFIT_CENTER	PRCTR	PRCTR	PROFITCENTER

The profit center is selected from all data sources and is a new dimension for the aggregation in the balance sheet hedge request.

Prerequisites

If you define a new dimension field for one or multiple data sources that you want to map to a different field in the snapshot, you must implement a BAdI to define the mapping of the data.

Please ensure that you have implemented the technical implementation steps as described in SAP Note [3502053](#) to extend the snapshot table and view:

Extension of the Snapshot Item Table with the Customer-Specific Dimension

1. During the creation of the balance sheet exposure snapshot, the exposure on the level of the customer-specific dimensions from all relevant data sources must be stored in the snapshot item table.
2. Table FXM_SNAP_ITEM must consequently be extended with the hedge request target field. This needs to be done by adding a table append to one of the include structures.

Sample Code

```
@EndUserText.label : 'Customer-Specific Dimension Extension'
@AbapCatalog.enhancement.category : #NOT_EXTENSIBLE
extend type fxms_snap_fi_dimension with zfxm_snap_item_extension {
  Field1 : data_type_1;
  Field2 : data_type_2;
}
```

Extension of Core Data Service View

You have to extend the data definition of core data service P_BSESNAPOSHOT with an extension view where you add the same fields as in the snapshot item table.

This enhancement is required so that the customer-specific dimensions are selected when you create a hedge request.

Sample Code

```
extend view P_BSESNAPOSHOT with zp_bsesnapshot_ext
{
  item.xxx
  item.xxx
}
```

Extension of Core Data Service Stack for the "Process Snapshot" App

With the following extensions of three core data service views, you activate the customer-specific dimensions so that they become visible in the *Process Snapshots* app:

- Extend view C_BalShtExpsrSnpshtItmTP
 - Extend view I_BalShtExpsrSnpshtItm
 - Extend view I_BalShtExpsrSnpshtItmTP
- *BAdI: Modify Balance Sheet Exposure Snapshot*
This BAdI is used in the Treasury and Risk Management (FIN - FSCM - TRM) component. You can use this BAdI to modify the creation of the balance sheet snapshot.
You can use the snapshot item data created originally to manipulate the target snapshot item.

Example

You can use this BAdI in cases where you have added a customer append field to an exposure data source table and defined it as a new dimension for that data source and you want to use it in the hedge request. Therefore, you can map the customer append field to an existing snapshot and hedge request attribute.

Effects on Existing Data

- In the [Take Snapshot - Balance Sheet FX Risk](#) app, the [Additional Dimensions](#) area displays indicators for the additional customer-specific dimensions, which you can then select for the snapshot.
- The additional customer-specific dimensions are also available in the key figure definition in the [Define Settings - Balance Sheet FX Risk](#) app.

The screenshot shows the SAP 'Maintain Selections: Key Figure "Current Licenses"' interface. The form includes the following fields:

- G/L Account: 230010
- Planning Level:
- Chart of Accounts:
- Journal Entry Type: AA
- Account type:
- Profit Center:
- Segment:
- * Open Items at Key Date: KD
- Date Type: Clearing Date
- Posting Date:

The 'Profit Center' and 'Segment' fields are highlighted with a green box, indicating they are part of the 'Additional Dimensions' area.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	1X1
Technical Object Name	Customizing Activity FXMV_SNAP_EXT Define Key Figure Dimension Extensions BAdI: BADI_FTR_FMX_SNAPSHOT BAdI: Modify Balance Sheet Exposure Snapshot App ID: FXM_SNAP Take Snapshot - Balance Sheet FX Risk
Application Component	FIN - FSCM - TRM (Treasury and Risk Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Hedge Management of Balance Sheet FX Risk](#)

4.3.1.4 Balance Sheet FX Risk - Hedging of Subsidiary Exposures by Treasury Center

Business Details

With this feature, you can aggregate the balance sheet exposures of your subsidiaries on treasury center level and perform hedging of the net exposure centrally without any additional internal transactions.

- When you take a snapshot, the exposures of all subsidiaries and the exposures of the treasury center are taken into account for each treasury center.
- The subsidiary company code is stored in the new field [On Behalf of Company Code](#).
- The exposures are aggregated per risk currency. The exposure amounts are not converted.

Note

The new feature did not require any changes to the hedge requests.

Implementation Details

If you need to create an incident regarding this feature, use component **FIN-FSCM-TRM-TM-HM**.

Master Data

Define Settings - Balance Sheet FX Risk

In the [Define Settings - Balance Sheet FX Risk](#) app (app ID: FXM_KF_DEF), you can assign subsidiary company codes to the treasury center company codes for each currency that you want to hedge centrally.

Effects on Existing Data

- The new indicator [Sub. Hedged by Treasury Centers](#) is available in the [Take Snapshot - Balance Sheet FX Risk](#) app (app ID: FXM_SNAP).
- If you selected the new indicator [Sub. Hedged by Treasury Centers](#) in the [Take Snapshot - Balance Sheet FX Risk](#) app, the system selects for the company code of the treasury center also the exposures of the related subsidiaries. The company code of the subsidiary is then stored in the [On Behalf of Company Code](#) field for each subsidiary exposure in the snapshot table.
- The new field [On Behalf of Company Code](#) is also available in the [Process Snapshots - Balance Sheet FX Risk](#) app (app ID: F4763).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	1X1
Technical Object Name	App ID: FXM_KF_DEF App ID: FXM_SNAP
Application Component	FIN - FSCM - TRM (<i>Treasury and Risk Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Hedge Management of Balance Sheet FX Risk](#)

[Define Settings - Balance Sheet FX Risk](#)

[Take Snapshot - Balance Sheet FX Risk](#)

4.3.1.5 Index Currency for Swaps

Business Details

This feature enables you to use index currency in the *cross-currency interest rate swaps*. The existing functionality of the settlement currency is now extended.

In case of a swap, the interest and repayments for outgoing or incoming side are calculated in the index currency and paid in the first local currency. The exchange rate between index currency and first local currency reflects inflation. Additionally, you can define settlement currency only for one side.

Technical Details

Type	New
Functional Localization	No localization

Scope Item	1X3 (Interest Rate Derivatives Management)
Technical Object Name	App ID: FTR_CREATE
Application Component	FI - LOC - TRM (Localization for Treasury) FIN - FSCM - TRM - TM - 2CL (Transaction Manager)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

4.3.1.6 Settlement Currency for Interest Rate Instruments

Business Details

This function allows you to use settlement currency in money market interest rate instrument.

The new feature allows you to handle foreign exchange (FX) adjustments between transaction/position currency and settlement currency. Now, you can calculate cash flow in the transaction/position currency and process payments in the settlement currency.

Often the cash flow is calculated in index currency (for example CLF in Chile) or foreign currency (for example USD). Payments are made in the usual local currency (settlement currency), for example, CLP in Chile or BRL in Brazil. The exchange rate between the index currency and the local settlement currency reflects inflation.

FX adjustments are applied on the cash flow to calculate the correct payment amount in the settlement currency. Solution is provided using existing apps:

- [Create Adjustment - Rates/Prices](#) (app ID: TI10)
- [Run Automatic Adjustments - Rates/Prices](#) (app ID: TJ05)

Payment and Posting Process Overview

1. The position currency matches the transaction currency and the payment currency matches the settlement currency.
2. The payments and postings can be processed after applying FX adjustments.
3. If posting involves both the position currency and payment currency, the technical clearing account is used to manage postings in the accounting.

Implementation Details

Authorizations

Customizing

Effects on Existing Data

Technical Details

Type	New
Functional Localization	No localization
Scope Item	1WV (Debt and Investment Management)
Technical Object Name	App ID: FRT_EDIT App ID: FTR_CREATE App ID: TI10 App ID: TJ05
Application Component	FI - LOC - TRM (<i>Localization Treasury</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[FX Rate Adjustment Data](#)
[Adjust Variable Rates/Prices](#)

4.3.1.7 Rounding Rule Maintenance

Business Details

This feature enables you to maintain rounding rule for the tax flow calculation.

Technical Details

Type	New
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Functional Localization	No localization
Scope Item	3WY (Bond Management), 6B5 (Asset-Backed Securities Management), 1WV (Debt and Investment Management), 1X1 (Foreign Currency Risk Management), 2F2 (Intercompany Foreign Exchange Management), 1YI (Intercompany Process for Debt and Investment Mgmt), 1X3 (Interest Rate Derivatives Management), 49D (Letter of Credit Management), 2UN (Money Market Mutual Fund Management), 6ND (Securities Option Management), 5WF (Shareholding Management), 5OD (Stock Management)
Technical Object Name	App ID: FTR_CREATE App ID: FTR_EDIT
Application Component	FI - LOC - TRM (<i>Localization for Treasury</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

4.3.1.8 Tax Calculation in Local Currency

WN Business Details feature enables accurate tax calculation in local currency with customizable upper/lower limits. Useful for businesses operating in multiple countries, ensuring compliance with local tax regulations and accurate financial reporting.

Business Details

This feature enables you to do the following:

- Calculate taxes in local currency.
- Apply upper/lower limit for the currency of the tax calculation.

Implementation Details

Customizing

The new [Define Parameters for Tax FX Adjustment](#) customizing activity is available to define specific parameters for the tax FX adjustment for an accurate currency conversion to local currency.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	1WV (Debt and Investment Management), 1X1 (Foreign Currency Risk Management), 1X3 (Interest Rate Derivatives Management), 3WY (Bond Management), 5OD (Stock Management), 5WF (Shareholding Management), 49D (Letter of Credit Management)
Technical Object Name	
Application Component	FI - LOC - TRM (Localization for Treasury)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

4.4 Financial Operations

4.4.1 Travel Management

4.4.1.1 Usability Improvements for Editing Per Diem Deductions

Business Details

This improvement enables you to select, with only one click, all per diem deductions of a travel expense, all deductions of the day, or all deductions of a deduction type like [Breakfast](#). You can configure the table and save your settings as a variant. After you have done your changes, the per diem total amounts will be recalculated automatically and updated on the [Per Diem](#) tab.

These functions are available in the following apps:

- My Travel and Expenses for Business Traveler (F6190)
- Travel and Expenses for Travel Assistant (F0584B)

On the [Per Diem](#) tab, choose [Edit Deductions](#). The [Per Diem Deductions](#) dialog box appears.

Implementation Details

If you need to create a support incident regarding this feature, use component FI-FIO-TV-MTE.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	See list under "Business Details" (above)
Application Component	FI - TV - C0S (Travel Expenses)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[My Travel and Expenses](#)

[Travel and Expenses for Travel Assistant](#)

4.5 Billing and Revenue Innovation Management

4.5.1 Convergent Invoicing

4.5.1.1 Preselection of Open Items for Display in Invoicing in Convergent Invoicing

Business Details

With this feature, you can send separate correspondence to your business partners when specific items are posted.

For example, you can provide a customer with tax data regarding a down payment.

Implementation Details

Customizing

To set up the preselection of open items for display in invoicing, proceed as follows:

1. Use the search function in Customizing to open the following activity: [Preselect Items for Display in Invoicing](#).
Activate preselection in invoicing, and specify that an invoicing request is created. You can activate preselection in invoicing according to criteria that you select, such as invoicing category.
2. Use the search function in Customizing to open the following activity: [Define Invoicing Processes](#). To enable display, define the following settings for at least one invoicing process:
 - Assign invoicing function [Display Preselected Items](#) (INV_INFIT) to the invoicing process.
 - Under [Selection Control](#), ensure that source document category INFIT is selected for invoicing.

Technical Details

Type

New

Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	FI - CA - INV (<i>Convergent Invoicing</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Display Preselected Items](#)

4.5.1.2 Discounts and Charges on Invoices - Enhancements

Business Details

This feature enables you to process discounts and charges on invoicing documents more efficiently and with greater flexibility. Account assignment determination for discounts and charges can be configured in Customizing for Convergent Invoicing, instead of using the default account assignment configured in Customizing for Contract Accounts Receivable and Payable. You can specify that discounts and charges in an invoicing document are aggregated when they are posted.

A new account assignment rule gives you more flexibility when defining discounts and charges on invoices.

Implementation Details

Customizing

To set up account determination for discounts and charges in Customizing for Convergent Invoicing, use the search function in Customizing to open the following activity: [Define Key for Charges and Discounts on Invoices](#).

Under [Account Assignment](#), select account assignment rule 1.

You define account determination settings in Customizing for Convergent Invoicing in the following activities:

- [Define Summarization Transactions for Business Partner Items](#)
- [Define Account Assignment of General Ledger Items](#)
- [Define Account Assignment for Business Partner Items](#)
- [Define CO-PA Characteristic Derivation](#)

If you want discounts and charges to be aggregated when posted, use the search function in Customizing to open the following activity: [Define Key for Charges and Discounts on Invoices](#).

Under [Account Assignment](#), select the setting you require for the aggregation of discounts and charges ([Separate Doc.](#)). As standard, discounts and charges are posted in separate posting documents. You can specify that all discounts and charges are posted in one document, or you can specify that discounts and charges are posted in the invoicing document.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	FI - CA - INV (Convergent Invoicing)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Charges and Discounts for Invoicing Documents](#)

4.5.1.3 Custom Fields in Convergent Invoicing

Business Details

With this feature, you can use business contexts for payment data and tax data when creating custom fields for billable items and billing documents, and transfer this tax data and payment data from the billable items to the related billing documents.

The following business contexts and business scenarios are available for custom field extensions:

Business Object	Business Context	Business Scenario
Contract Accounting Billable Item	Contract Accounting Billable Item	Billable Items - Payment Data Items to Billing Document Payment Item

Business Object	Business Context	Business Scenario
<i>Contract Accounting Billable Item</i>	<i>Convergent Invoicing: Billable Items - Tax Items</i>	<i>Billable Items - Tax Items to Billing Document Tax Item</i>
<i>Contract Accounting Billing Document</i>	<i>Convergent Invoicing: Billing Document Payment Item</i>	<i>Billable Items - Payment Data Items to Billing Document Payment Item</i>
<i>Contract Accounting Billing Document</i>	<i>Convergent Invoicing: Billing Document Tax Item</i>	<i>Billable Items - Tax Items to Billing Document Tax Item</i>

When transferring fields from **CI_INCLUDE** to the corresponding EEW (Easy Enhancement Workbench) include of the business context, you can use the following database table names as filter criteria:

Database Table Name	CI_INCLUDE	EEW_INCLUDE	Business Context
DFKKBIT_PY_SCFD	CI_FKKBIXBIT_IT	CINV_BIT_PY_INCL_EEW_PS	<i>Convergent Invoicing: Billable Items - Payment Data Items (CINV_BILLABLEITEMS_PAYMENT)</i>
DFKKBIT_TX_SCFD	CI_FKKBIXBIT_TX	CINV_BIT_TX_INCL_EEW_PS	<i>Convergent Invoicing: Billable Items - Tax Items (CINV_BILLABLEITEMS_TAX)</i>
DFKKINVBILL_PY	CI_FKKINVBILL_PY	CINV_INVBILL_PY_INCL_EEW_PS	<i>Convergent Invoicing: Billing Document Payment Item (CINV_BILLINGDOCUMENT_PAYMENT)</i>
DFKKINVBILL_T	CI_FKKINVBILL_T	CINV_INVBILL_T_INCL_EEW_PS	<i>Convergent Invoicing: Billing Document Tax Item (CINV_BILLINGDOCUMENT_TAX)</i>

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	See the table above
Application Component	FI - CA - INV (<i>Convergent Invoicing</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition

Related Information

[Adding Fields in Convergent Invoicing Using the Custom Fields App](#)

4.5.2 Subscription Order Management

4.5.2.1 New BRFplus Functions for Cross-Catalog Mapping

Business Details

The SAP app [Manage Subscription Product-Specific Data](#) uses BRFplus functions in the cross-catalog mapping version to map item-specific data to SAP Convergent Charging charge plans. Additional BRFplus functions have now been added to the standard delivery for mapping CC numeric parameters, CC string parameters, and mapping to technical resources.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	CRM - S4 - SOM S4CRM: Subscription Order Management
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[BRFplus and BRFplus Functions](#)

4.5.2.2 Copy Subitems from Master Agreement into Call-Off Document

Business Details

This feature enables you to modify the list of subitems that are copied over from a master agreement into a call-off document. You can remove any of the copied subitems from the call-off document as long as they are optional in the product bundle or have been added manually in the master agreement. During a contract change, if one the removed subitems becomes relevant then you can add it in your change order. In this case, when you click on the [Add Subitem](#) button, a list of only those products are displayed that have a reference to the used master agreement.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	CRM - S4 - SOM (S4CRM: Subscription Order Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Creating Call-Offs with Reference to Master Agreements](#)

4.5.2.3 GTS Integration for Subscription Contracts

Business Details

The Subscription Order Management and SAP Global Trade Services (SAP GTS) integration has been extended to perform GTS compliance checks on subscription contracts in addition to the previously delivered compliance checks on subscription orders and solution quotations.

The integration solution enables compliance checks such as embargo checks, sanctioned party list screening, and legal controls for subscription contracts. Based on the compliance check results, the GTS system sets

statuses for the subscription contracts and contract items, which you can use to search and filter for subscription contracts with trade compliance issues.

Implementation Details

Customizing

The *Prevent Subscription Contract Creation for blocked Subscription Orders* flag in the Customizing [▶ Integration with Other SAP Components ▶ Integration with Governance, Risk and Compliance ▶ SAP Global Trade Services ▶ Control Data for Transfer to SAP Global Trade Services ▶ Configure Control Settings for Document Transfer](#) is delivered to control whether a subscription contract can be created from a subscription order with a GTS block.

The *Prevent Change of Blocked Subscription/Service Contracts* flag in the Customizing [▶ Integration with Other SAP Components ▶ Integration with Governance, Risk and Compliance ▶ SAP Global Trade Services ▶ Control Data for Transfer to SAP Global Trade Services ▶ Configure Control Settings for Document Transfer](#) is delivered to control whether any change processes can be executed on a blocked subscription contract. This flag is especially critical for long running contracts that may have a GTS block implemented **after** the contract is created.

If the *Prevent Change of Blocked Subscription/Service Contracts* flag is not checked, then the *Allowed on Contract Blocked by GTS* flag in BTMF settings is used to determine whether the change process is allowed on a blocked subscription contract. The *Skip GTS Check for Change Order* flag in BTMF settings is used to determine whether a GTS check should be executed on a change order created from a blocked subscription contract. That is, this flag determines whether the change processes allowed on a blocked contract should be executed without a GTS check. These flags are delivered in the Customizing [▶ Service ▶ Transactions ▶ Settings for Subscription Transactions ▶ Contract Changes ▶ Settings for the Maintenance Framework \(BTMF\) ▶ Define Change Process ▶ Define Scenario Dep. Attributes](#):

The ODI step GTSB (*Stop distribution due to GTS block*) in the Customizing [▶ Service ▶ Transactions ▶ Settings for Subscription Transactions ▶ Document Distribution ▶ Define Settings for Document Distribution ▶ Step Types](#) must be assigned as a prerequisite to the step PCEA (*Call FICA Message contract activation*). This step prevents the distribution and activation of subscription contracts if a GTS block is detected on the contract.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable

Application Component	CRM - S4 - SOM (<i>S4CRM: Subscription Order Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[GTS Integration with Subscription Contracts](#)

4.5.2.4 Data Extraction CDS Views in Subscription Order, Subscription Contract, and Master Agreement

Business Details

The following CDS views have been released:

- **C_SubscriptionOrderDEX** (Data Extract Subscription Order) - This CDS view enables you to view the details of a subscription order.
- **C_SubscriptionOrderItemDEX** (Data Extract Subscription Order Item) - This CDS view enables you to view the details of a subscription order item.
- **C_SrvcTransMasterAgreementDEX** (Data Extract Master Agreement) - This CDS view enables you to view the details of a master agreement.
- **C_SrvcTransMstrAgrmtItmDEX** (Data Extract Master Agreement Item) - This CDS view enables you to view the details of a master agreement item.
- **C_SubscriptionContractDEX** (Data Extract Subscription Contract) - This CDS view enables you to view the details of a subscription contract.
- **C_SubscriptionContractItemDEX** (Data Extract Subscription Contract Item) - This CDS view enables you to view the details of a subscription contract item.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable

Application Component	CRM - S4 - SOM (S4CRM: Subscription Order Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Data Extraction CDS Views in Subscription Order Management](#)

4.5.2.5 Transaction Type and Item Category Mapping for Creating an SD Sales Order From a Subscription Order

Business Details

You can now create an SD sales order using your desired document type other than the subscription order transaction type.

Implementation Details

Customizing

You first assign the subscription order transaction type to the sales document type under Customizing
▶ [Settings for Service Transactions](#) ▶ [Integration](#) ▶ [Logistics Integration](#) ▶ [Assign Service Transaction Types to Sales Document Types](#) ▶ [Assign Service Transaction Type to Sales Doc.](#) ▶.

Then you assign the subscription order sales item to the SD sales item category under Customizing
▶ [Settings for Service Transactions](#) ▶ [Integration](#) ▶ [Logistics Integration](#) ▶ [Assign Service Transaction Types to Sales Document Types](#) ▶ [Assign Service Item Type to Sales Doc. Item](#) ▶.

Technical Details

Type	New
Functional Localization	No localization

Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	CRM - S4 - SOM (S4CRM: Subscription Order Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

4.5.2.6 Calculating Transaction Price and Standalone Selling Price (SSP)

Business Details

Two new flags are delivered to enable you to control the following actions:

- [Set RAR Transfer Record for Provider Contract Item Based on CI Billing Plan](#) for calculating the transaction price based on the RAR transfer record. Here, the RA origin type is set to 1 ([Billing Plan Creates Order Item](#)).
- [Create CI Billing Plan Item for Standalone Selling Price](#) for calculating the standalone selling price (SSP) based on the CI billing plan item.

Implementation Details

Customizing

The flags are available under Customizing [► Service ► Transactions ► Settings for Subscription Transactions ► General Settings for Subscription Transactions](#) .

If the [Create CI Billing Plan Item for Standalone Selling Price](#) flag is checked, the SSP billing plan item type must be assigned to the SSP condition type under Customizing [► Service ► Transactions ► Settings for Subscription Transactions ► Integration ► Integration of Revenue Accounting and Reporting ► Define Price Condition Used to Determine Standalone Selling Price \(SSP\)](#) .

Technical Details

Type	New
Functional Localization	No localization

Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	CRM - S4 - SOM (S4CRM: Subscription Order Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

4.5.2.7 Change Process: Change Billing Schedule

Business Details

You can now implement changes on a subscription contract with a billing schedule using the [Change Billing Schedule](#) change process. The changes are executed using a change quote created from the [Solution Quotation \(A2X\)](#) OData API.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	CHANGE_BILL_SCHD
Application Component	CRM - S4 - SOM (S4CRM: Subscription Order Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Change Billing Schedule](#)

4.5.2.8 Change Process: *Reactivate* Canceled Subscription Contracts

Business Details

You use the *Reactivate* change process to reactivate a canceled subscription contract as long as it is within the grace period.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	REACTIVATE_CONTRACT
Application Component	CRM - S4 - SOM (<i>S4CRM: Subscription Order Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Reactivate](#)

4.5.2.9 Updated App: Manage Mass Runs

Business Details

The *Manage Mass Runs* app has been updated so that you can now provide individual attributes at the element level, apart from those already provided at the header level, while creating multiple subscription orders using the mass run category *A Mass Creation with Master Agreement* or *C Mass Creation Without Master Agreement*. Some of the individual attributes you can provide are a master agreement ID, a contract start date, and technical resource IDs. If a field is maintained at the header and element level, then the value at the element level is considered over the header value. Previously, the header attributes were automatically inherited at the item level so multiple identical contracts would be created.

You can also provide up to five technical resources for each element, limited to the maximum number of permitted technical resources as defined in the Customizing node [Define Assignment Schema](#).

Implementation Details

Customizing

You define the maximum number of technical resource permitted for an element in Customizing [► Service ► Transactions ► Settings for Subscription Transactions ► Technical Resources ► Define Assignment Schema ►](#).

At the element level, you can enable default or read-only settings for the new fields in Customizing [► Service ► Transactions ► Settings for Subscription Transactions ► Mass Runs ► Define Settings for Mass Runs ► Mass Run Type ► Field Settings ►](#).

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: TISXMRSE
Application Component	CRM - S4 - SOM (S4CRM: Subscription Order Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

- [Mass Creation of Subscription Orders](#)
- [Mass Creation of Subscription Orders with Master Agreement](#)

4.5.2.10 Updated Fiori App: Manage Mass Processing of Subscriptions

Business Details

The [Manage Mass Processing of Subscriptions](#) Fiori app has been enhanced so that you can now do the following:

- Reprice the subscription contracts within a mass processing based on the master data pricing using the new change process [Update Price](#). The change process is only available on the [Mass Changes of Subscriptions](#) and [Manage Mass Processing of Subscriptions](#) Fiori apps. If the [Complete Reprice](#) flag is checked, the repricing will be executed and all manually maintained price conditions will be removed. However, if you do only a reprice then the price for only those contracts will be changed where the [Manually Changed](#) flag is unchecked.
- Manually update the price for the given subscription contracts within a mass processing based on the pricing condition assigned manually to the mass processing type in the Customizing node [Define Mass Processing Type](#). For this functionality, the [Price Relevant Change](#) flag has been introduced for the [Change Price](#) change process.

Implementation Details

Customizing

You assign the pricing conditions to the mass processing type in Customizing ► [Service](#) ► [Transactions](#) ► [Settings for Subscription Transactions](#) ► [Mass Processing](#) ► [Define Mass Processing Type](#) ► [Mass Processing Type](#) ► [Pricing Conditions](#) ►. The navigation to the [Pricing Conditions](#) tab is enabled only if the [Price Relevant Change](#) flag is checked in the [Mass Processing Type](#) tab.

❗ Note

Variant pricing conditions are out of scope.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	F7406
Application Component	CRM - S4 - SOM (S4CRM: Subscription Order Management)

Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Manage Mass Processing of Subscriptions](#)
[App Details: Manage Mass Processing of Subscriptions](#)
[Update Price](#)

4.5.2.11 SOAP API: Subscription Product-Specific Data

Business Details

The [Subscription Product-Specific Data](#) SOAP API has been enhanced with the fields `ChargePlanParameterUsage` and `ConvergentChargingTableClassID` for the `ChargePlanTableParam` node.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	<code>SubscriptionProductReplicationRequest_Out</code>
Application Component	<code>CRM-S4-SOM</code> (S4CRM: Subscription Order Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[ChargePlanTableParam](#)

4.5.2.12 OData API: Subscription Order (Version 0002)

Business Details

The [Subscription Order \(Version 0002\)](#) OData API has been enhanced so that you can now perform the following operations:

- Maintain long texts at the header and item level. For more information about this, refer to **Subscription Order Long Text** and **Subscription Order Item Long Text**.
- Create and update subscription orders with periodic billing schedule lines. Create, update, and delete subscription orders with adhoc billing schedule lines. Previously it was only possible to read such subscription orders using this OData API. For more information about handling an adhoc or a periodic billing schedule using this OData API, refer to **Billing Request Item of Order Item** and **Price Element of Billing Request Line**.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	API_SubscriptionOrder
Application Component	CRM - S4 - SOM (S4CRM: Subscription Order Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Subscription Order Long Text](#)
[Subscription Order Item Long Text](#)
[Billing Request Item of Order Item](#)
[Price Element of Billing Request Line](#)

4.5.2.13 OData API: Subscription Contract (Read)

Business Details

The [Subscription Contract \(Read\)](#) OData API has been enhanced so that you can now read subscription contracts with periodic or adhoc billing schedule lines. For more information, refer to **Subscription Contract Item Pricing Element** and **Price Element of Billing Request Line**.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	API_SUBSCRIPTIONCONTRACT
Application Component	CRM-S4-SOM (S4CRM: Subscription Order Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Subscription Contract Item Pricing Element](#)
[Billing Request Item of Contract Item](#)

4.5.2.14 OData API: Master Agreement

Business Details

The [Master Agreement](#) OData API has been enhanced so that you can now maintain long texts at the header and item level. For more information about this, refer to **Master Agreement Long Text** and **Master Agreement Item Long Text**.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	API_SRVCTRANSMASMASTERAGRMT
Application Component	CRM - S4 - SOM (S4CRM: Subscription Order Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Master Agreement Long Text](#)
[Master Agreement Item Long Text](#)

4.5.2.15 OData API: Solution Quotation (A2X)

Business Details

The [Solution Quotation \(A2X\)](#) OData API has been enhanced so that you can now create and update solution quotations with adhoc or periodic billing schedule lines. Previously it was only possible to read the billing schedules of such solution quotations using this OData API. For more information about handling an adhoc or a periodic billing schedule using this OData API, refer to [Billing Request Item of Business Solution Quotation Item](#) and [Price Element of Billing Request Line](#).

Note

For any incidents other than subscription-related issues, use the application component CRM - S4 - SOL - SQ ([S4CRM: Solution Quotation Management](#)).

Technical Details

Type	Changed
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Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	API_BUS_SOLUTION_QUOTATION_SRV
Application Component	CRM - S4 - SOM (<i>S4CRM: Subscription Order Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Billing Request Item of Business Solution Quotation Item](#)
[Price Element of Billing Request Line](#)

4.6 Governance, Risk, and Compliance for Finance

4.6.1 International Trade

4.6.1.1 Classification for International Trade

4.6.1.1.1 Trade Classification Proposals for Custom Tariff Numbers and Commodity Codes via AI-Assisted Generation of Trade Classification Proposals

Business Details

Starting from SAP S/4HANA 2023 FPS03, trade classification proposals for custom tariff numbers and commodity codes will be assigned to products through a similarity search of existing product classifications using SAP HANA fuzzy search technology.

Trade classification proposals can be generated by the SAP HANA Fuzzy Search algorithm that searches for similar products based on their descriptions. The app (See [International Trade Classification](#) and [Schedule Creation of Trade Classification Proposals – Fuzzy Search](#)) generates a list of hits based on the comparison of the product description and returns a calculated score for every hit that describes the estimated accuracy. Customers can activate trade classification proposals in IMG.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	2U3 (Classification for Customs Tariff Number and Commodity Code)
Technical Object Name	App ID: F8427 App ID: F8428 App ID: F8511 App ID: F8512
Application Component	FT - ITR - CLS (<i>International Trade - Classification</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[International Trade Classification](#)

[Activate Classification Proposals – Commodity Codes](#)

[Activate Classification Proposals – Customs Tariff Numbers](#)

[Schedule Creation of Trade Classification Attributes – Fuzzy Search](#)

[Schedule Creation of Trade Classification Proposals – Fuzzy Search](#)

[Define Numbering Scheme for Commodity Codes](#)

[Define Numbering Scheme for Customs Tariff Numbers](#)

4.6.1.1.2 New App: Activate Classification Proposals – Commodity Codes

Business Details

With this new app, you can activate classification proposals for commodity codes and display them. The app only displays proposals for products that have not yet been classified. Several proposals can be classified at a time, but only the proposal with the highest accuracy score is displayed if there are several proposals for one product.

Note

Only unclassified products are displayed.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	2U3 (Classification for Customs Tariff Number and Commodity Code)
Technical Object Name	App ID: F8427
Application Component	FT - ITR - CLS (<i>International Trade - Classification</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Activate Classification Proposals – Commodity Codes](#)

4.6.1.1.3 New App: Activate Classification Proposals – Customs Tariff Numbers

Business Details

With this new app, you can activate classification proposals for customs tariff numbers and display them. The app only displays proposals for products that have not yet been classified. Several proposals can be classified at a time, but only the proposal with the highest accuracy score is displayed if there are several proposals for one product.

Note

Only unclassified products are displayed.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	2U3 (Classification for Customs Tariff Number and Commodity Code)
Technical Object Name	App ID: F8428
Application Component	FT - ITR - CLS (<i>International Trade - Classification</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

4.6.1.1.4 New App: Schedule Creation of Trade Classification Attributes – Fuzzy Search

Business Details

With this new app, you can schedule the creation of trade classification attributes via AI assisted generation of trade classification proposals.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	2U3 (Classification for Customs Tariff Number and Commodity Code)
Technical Object Name	App ID: F8511
Application Component	FT - ITR - CLS (<i>International Trade - Classification</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Schedule Creation of Trade Classification Attributes – Fuzzy Search](#)

4.6.1.1.5 New App: Schedule Creation of Trade Classification Proposals – Fuzzy Search

Business Details

With this new app, you can schedule the creation of trade classification proposals via an AI assisted generation of trade classification proposals.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	2U3 (Classification for Customs Tariff Number and Commodity Code)
Technical Object Name	App ID: F8512
Application Component	FT - ITR - CLS (<i>International Trade - Classification</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Schedule Creation of Trade Classification Proposals – Fuzzy Search](#)

4.6.1.2 International Trade GTS Integration

4.6.1.2.1 Prevent Invoice Creation if Predecessor Sales Document is Blocked

Business Details

It is now possible to prevent the invoice creation, if the predecessor sales document is blocked for Trade Compliance in SAP Global Trade Services.

❖ Example

If a Credit Memo Request is blocked due to an Embargo situation, the Credit Memo cannot be created.

For more information, see [Order-Related Billing Process: Prevent Invoice Creation When Compliance Checks Fail \[page 242\]](#).

For more information about integrating and connecting your SAP GTS System with your SAP S/4HANA system, see the relevant section in the [Integration Guide for SAP Global Trade Services, edition for SAP HANA](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	24J (Compliance Management with SAP Global Trade Services)
Technical Object Name	Not applicable
Application Component	FT - ITR - INT - GTS (<i>International Trade - GTS Integration</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Order-Related Billing Process: Prevent Invoice Creation When Compliance Checks Fail \[page 242\]](#)

4.6.1.2.2 Integration of Global Trade Services Trade Compliance Checks with S/4HANA Service Contract and Subscription Contract

Business Details

It is now possible to manage trade compliance checks for service contracts and subscription contracts (SAP S/4HANA Cloud, private edition) with SAP Global Trade Services (SAP GTS).

More information on how to setup the checks can be found in the [Integration Guide](#) for SAP Global Trade Services, edition for SAP HANA

Technical Details

Type	New
Functional Localization	No localization
Scope Item	24J (Compliance Management with SAP Global Trade Services)
Technical Object Name	App ID: F7926 Schedule Transfer of Service Transactions - Global Trade Services
Application Component	FT - ITR - INT - GTS (<i>International Trade - GTS Integration</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

4.7 Country/Region Specifics

For country/region-specific changes, please see [What's New for Functional Localizations in SAP S/4HANA](#).

5 Human Resources

5.1 My Time Events (Version 3)

Business Details

With this app, you can enable employees to create, update, and delete multiple time events for a specific day. In addition, the app notifies employees of any missing or incorrect time events.

This app provides the following key features:

- Create, update and delete multiple time events for a specific date.
- Mark required time event types as favourites for quick time event creation for the current timestamp.
- Receive time evaluation messages that indicate missing or incorrect time events.
- Download the time statement for a specific period.
- Choose personnel assignment for employees engaged in concurrent positions.

Implementation Details

For information about the prerequisites, refer to [App Implementation: My Time Events \(Version 3\)](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: F1506B
Application Component	PA-F10-C10 (My Time Events)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[My Time Events \(Version 3\)](#)

[App Implementation: My Time Events \(Version 3\)](#)

[App Extensibility: My Time Events \(Version 3\)](#)

5.2 Approve Time Events (Version 3)

Business Details

With this app, you as a manager can approve or reject the time events of your direct reports from the SAP Fiori app My Inbox.

This app provides the following key features:

Browse all time event requests submitted for approval in the inbox.

View details for each time event request, including type of the event, date and time of request submission, comments from the requester, and any additional information configured for the event type.

Approve or reject requests(with optional note to the requester).

Implementation Details

For information about the prerequisites, refer to [App Implementation: Approve Time Events \(Version 3\)](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: F3099A
Application Component	PA-FI0-CI0 (Approve Time Events)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Approve Time Events \(Version 3\)](#)

[App Implementation: Approve Time Events \(Version 3\)](#)

[App Extensibility: Approve Time Events \(Version 3\)](#)

5.3 Timesheet Analytics - My Compliance

Business Details

With this app, you can view your timesheet records and analyze compliance details. You can also analyze compliance levels based on associated attributes such as attendance or absence type, cost center, project, network or controlling area, for example.

This app provides the following key features:

Filter the results by fields such as attendance or absence type, activity, project, cost center, or any other attribute available in the application database.

View compliance statistics based on different fields.

View and compare timesheet compliance details in graphical format using different dimensions and measures based on fields or attributes of the application database.

Implementation Details

For information about the prerequisites, refer to [App Implementation: Timesheet Analytics - My Compliance](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: F8342
Application Component	PA-FI0-TS (Timesheet Analytics - My Compliance)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition

Related Information

[Timesheet Analytics - My Compliance](#)

[App Implementation: Timesheet Analytics - My Compliance](#)

[App Extensibility: Timesheet Analytics - My Compliance](#)

5.4 Timesheet Analytics – Compliance

Business Details

With this app, you as a manager can view the timesheet records and compliance details of all employees within your area of responsibility. You can also analyze compliance details based on different attributes such as attendance or absence type, cost center, project, network or controlling area.

This app provides the following key features:

Filter the results by fields such as attendance or absence type, activity, project, cost center, or any other attribute available in the application database.

View compliance statistics based on different fields and organizational units in your responsibility.

Drill down compliance details of timesheet records recorded by an individual employee by clicking on any line within the search results on the object page.

View and compare timesheet compliance details in graphical format using different dimensions and measures based on fields or attributes of the application database.

Implementation Details

For information about the prerequisites, refer to [App Implementation: Timesheet Analytics - Compliance](#).

Technical Details

Type	New
Functional Localization	No localization

Scope Item	Not applicable
Technical Object Name	App ID: F6685
Application Component	PA-FI0-TS (<i>Timesheet Analytics - Compliance</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Timesheet Analytics – Compliance](#)

[App Implementation: Timesheet Analytics - Compliance](#)

[App Extensibility: Timesheet Analytics – Compliance](#)

5.5 Country/Region Specifics

For country/region-specific changes, please see [What's New for Functional Localizations in SAP S/4HANA](#).

6 Manufacturing

6.1 Production Planning

6.1.1 Capacity Planning

6.1.1.1 Capacity Scheduling Board

Business Details

With this feature, you can:

- Reschedule operations on the Manage Operations page by dragging and dropping the operation on the chart within the same work center and across different work centers. You can only drag and drop to reschedule bottleneck operations.
- Reschedule an operation in the Manage Operations page by dragging and dropping the operation across different production versions on the highlighted rows.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: F3951
Application Component	PP - CFS - SCH (<i>Capacity Scheduling</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Reschedule Operations through Drag and Drop](#)

6.2 Extended Production Planning and Scheduling

6.2.1 Production Planning and Detailed Scheduling

6.2.1.1 Enhancements for Tank Planning with Container Resources

Business Details

For tank planning with container resources in Production Planning and Detailed Scheduling (PP/DS), you can now use the following enhancements:

- You can now use MRP areas for planning of storage resources. When an order is created for a specific MRP area, only the storage resources that are available for this MRP area can be used.
- The product storage definition (PSD) can now also be defined for MRP areas on header, component, and resource level. It also shows additional columns with descriptions for the used objects.

Implementation Details

Customizing

In ERP, a storage location can be assigned to an order or to one of its components whereas PP/DS uses storage resources that are defined by the product flow. If there is no storage resource assigned to the storage location, the storage location cannot be used in PP/DS for components that are relevant for tank planning.

If the assignment of a storage location is changed for a firmed order in ERP, the system checks whether a storage resource is assigned and this storage resource is contained in the list of available storage resources in the order. In the standard system, a storage location can be used only if this conditions are met.

In Customizing activity [► Advanced Planning ► Tank Planning with Container Resources ► Maintain Settings for Tank Planning with Container Resources ►](#), you can now allow that any storage resource is used when a storage location is selected for an order or a component in ERP even though it is not available in the order in PP/DS.

Technical Details

Type	New
------	-----

Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	SCM - AP0 - PPS (<i>Production Planning and Detailed Scheduling</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Tank Planning with Container Resources](#)
[Product Storage Definition](#)
[MRP Areas in Tank Planning](#)

6.2.1.2 Advanced Scheduling Board

Business Details

The Advanced Scheduling Board (ASB) app has been enhanced to improve usability and interaction with scheduling data:

- The Bird's Eye View option is disabled now when only Time-continuous charts are loaded
- Find and Search results now respect Column Filter on the table side for better filtering and navigation
- The Notes panel will automatically refresh when returning from the Order Processing app or Product View app
- New tooltips have been added to improve user guidance and clarity

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable

Technical Object Name	App ID: F5460
Application Component	SCM-AP0-PPS-DS
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Advanced Scheduling Board](#)

6.2.1.3 Production Planning Optimizer

Business Details

The Production Planning Optimizer (PPO) has been enhanced with the integration of resource networks, which represent interconnected systems of production resources in manufacturing. PPO can now consider resource network constraints across the products of a pegging structure (Resource network across orders). This integration enables the creation of more feasible and efficient production plans.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	SCM-AP0-PPS-PP0 (Production Planning Optimizer)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Production Planning Optimization](#)

6.2.1.4 Time Zone Management

Business Details

The new Time Zone Management feature allows users to view timestamps in their preferred time zone format.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: F7452
Application Component	SCM-AP0-PPS
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Additional Details

- Choose between three time zone display options:
 - System default from Fiori Launchpad
 - Application-specific time zone
 - Product location-based time zone
- Switch between time zone views at any time
- Consistent time display across all product information
- Improved clarity for cross-regional planning activities

6.2.1.5 Simulation Session Controls

Business Details

New Adopt and Cancel buttons provide clear controls for managing planning simulation changes.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: F7452
Application Component	SCM-AP0-PPS
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Additional Details

- Clear visual indication when changes are pending
- One-click adoption of all simulation changes
- Easy cancellation of unwanted modifications
- Confirmation dialog prevents accidental data loss
- Buttons remain disabled when no changes are present

6.2.1.6 Monitor Receipts

Business Details

The new [Monitor Receipts](#) app allows planners to view and manage receipt elements (orders) with their properties like planning version, location, product details, quantities, and alerts while working within a simulation session before committing changes to the planning version.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: F8273
Application Component	SCM-AP0-PPS
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Additional Details

- Monitor Planning Orders and Receipts
 - View comprehensive list of receipt elements and orders
 - Display key properties like planning version, location, product
 - Track quantities, dates, and ATP status
 - Access detailed information for each order
 - Support filtering and sorting capabilities
- Alert Monitoring System
 - Visual indicators for quantity, date, network alerts
 - Color-coded status icons with tooltip explanations
 - Real-time alert status monitoring
 - Customizable alert profile settings
 - Quick identification of issues requiring attention
- Simulation Session Management

- Create and manage planning simulations
- Test changes without affecting live data
- Merge or discard simulation results
- Keep changes isolated between users
- Maintain data consistency during planning
- Multi-Level Time Buffer Tracking
 - Monitor time buffer statuses with visual indicators
 - Color-coded status representation
 - Track buffer calculations for planning elements
 - View buffer status history
 - Support time-based planning decisions
- Notes and Documentation
 - View and manage notes for receipt elements
 - Track number of attached notes
 - Access detailed notes on object page
 - Document planning decisions and changes
 - Maintain communication trail

6.2.1.7 Check Optimization Log

Business Details

The new [Check Optimization Log](#) enables viewing comprehensive details about optimization runs, including status indicators, runtime metrics, and detailed sub-logs covering input parameters, location products, results, costs, and solution quality metrics.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: F8293
Application Component	SCM-AP0-PPS

Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

6.3 Production Operations

6.3.1 Just-In-Time Supply to Production

- New application available: [Schedule Action Execution for Forwarded JIS Calls](#) - you can schedule the execution of standard or custom actions for forwarded JIS calls.
- Updates to forwarded JIS calls based on master data.
- Monitor the processed EDI message. Within the *EDI Communication* section, you can view key fields such as the Namespace, Interface Name, Interface Version, Processing Time, and Processing Status. Available in the following applications:
 - Manage JIS Calls and Reorder
 - Manage Forwarded JIS Calls by Component Groups
 - Manage Forwarded JIS Calls
 - Manage JIT Calls
- Calculate date and time of forwarded JIS calls.
- Display reference document information in [Manage JIT Calls](#) and [Manage JIT Call and Reorder](#) applications.
- Manual closure of JIT calls for external replenishment in the event of exception scenarios.

Implementation Details

- *Action control independent* actions must be maintained in the action control.

Customizing

- Goto SPRO → Logistics Execution → Just-In-Time Processing (Next Generation) → Action Control → Define JIT Actions.

Technical Details

Type	New
Functional Localization	Nil

Scope Item	NA
Technical Object Name	F8480 - Schedule Action Execution for Forwarded JIS Calls
Application Component	LE-JIT-S2P
Availability	SAP S/4HANA
Valid as Of	2023 FPS03

6.3.2 OData API: Production Order (Version 2)

Business Details

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.

The following enhancements have been made to version 1.4.0 of the OData API:

Entity	Property Category	Property Name
Production Order (A_ProductionOrder_2)	Assignments	MfgOrderSuperiorMfgOrder
		LeadingOrder
		ResponsiblePlannerGroup
Production Order Components Extended (A_ProductionOrderComponent_3) and Production Order Components Using RAP BO (A_ProductionOrderComponent_4)	Assignments	RequirementType
		WBSElementInternalID
		MaterialStaging
		MaterialIsDirectlyProduced
	Attributes	
	Variable-sized Component Data	VariableSizeDimension1
		VariableSizeDimension2
		VariableSizeDimension3
Production Order Operations (A_ProductionOrderOperation_2)		VariableSizeDimensionUnit
	Assignments	OpExternalProcessingPriceUnit
	Durations	MinimumProcessingDuration

Entity	Property Category	Property Name
		MinimumProcessingDurationUnit
		ForecastProcessingDuration
		ForecastProcessingDurationUnit
	Quantities and Units of Measure	OpTotalConfirmedScrapQty
		OpPlannedScrapQuantity
		OperationReferenceQuantity

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	API_PRODUCTION_ORDER_2_SRV
Application Component	PP-SFC-ES (<i>Enterprise Services in Shop Floor Control</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Production Order \(Version 2\)](#)

6.3.3 OData API: Production Order Confirmation

Business Details

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.

The following enhancements have been made to version 1.3.0 of the OData API:

Entity	Property Category	Property Name
Production Order Confirmation (ProdnOrdConf2)	General Assignments	OriginalBatch
		SenderCostCenter
	Attributes	OrderConfirmationType
	Work Quantities and Units of Measure	OpPlannedTotalQuantity
		OperationUnit
		ConfYieldQtyInProductionUnit

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	API_PROD_ORDER_CONFIRMATION_2_SRV
Application Component	PP-SFC-ES (Enterprise Services in Shop Floor Control)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Production Order Confirmation](#)

6.3.4 OData API: Process Order (Version 2)

Business Details

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.

The following enhancements have been made to version 1.2.0 of the OData API:

Entity	Property Category	Property Name
Process Order (A_ProcessOrder_2)	Assignments	ResponsiblePlannerGroup
Process Order Components (A_ProcessOrderComponent_2)	Assignments	RequirementType
		WBSElementInternalID
		MaterialStaging
	Attributes	MaterialIsDirectlyProduced
Process Order Operations (A_ProcessOrderOperation_2)	Assignments	OpExternalProcessingPriceUnit
	Durations	MinimumProcessingDuration
		MinimumProcessingDurationUnit
		ForecastProcessingDuration
		ForecastProcessingDurationUnit
	Quantities and Units of Measure	OpTotalConfirmedScrapQty
		OpPlannedScrapQuantity
		OperationReferenceQuantity

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	API_PROCESS_ORDER_2_SRV
Application Component	PP-SFC-ES (Enterprise Services in Shop Floor Control)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Process Order \(Version 2\)](#)

6.3.5 OData API: Process Order Confirmation

Business Details

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.

The following enhancements have been made to version 1.3.0 of the OData API:

Entity	Property Category	Property Name
Process Order Confirmation (ProcOrdConf2)	General Assignments	OriginalBatch
		SenderCostCenter
	Attributes	OrderConfirmationType
	Work Quantities and Units of Measure	OpPlannedTotalQuantity
		OperationUnit
		ConfYieldQtyInProductionUnit

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	API_PROC_ORDER_CONFIRMATION_2_SRV
Application Component	PP-SFC-ES (Enterprise Services in Shop Floor Control)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Process Order Confirmation](#)

6.4 Just-In-Time Supply to Customer

With this release, the following new features have been included:

- **End-To-End (E2E) Integration of JIS Calls with Logistics Execution, Handling Units, and Transportation Management**

JIT Supply to Customer now integrates with SAP's Logistics Execution (LE), Logistics-Handling Units (LO-HU), and Transportation Management (TM) components. This integration enables the creation and distribution of handling units and outbound deliveries to TM for better management of delivery-based transportation requirements.

- **Updates to JIT Calls Based on Master Data Changes**

Using JIT actions, you can now update existing customer JIT calls in case of changes to JIT master data or sales scheduling agreements, or when the assigned sales scheduling agreements are replaced by new ones.

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 2023 FPS3

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** ►.

6.5 Quality Management

6.5.1 Additional Filter Criteria and Details in the Results of the *Display Results History* App

Business Details

In the *Display Results History* app, *Equipment* and *Functional Location* have been added to the search criteria in the list report page and as columns that you can add to the *Inspection Results* table on the object page.

In the list report page, the *Equipment* and *Functional Location* are added as search criteria using *Adapt Filters*.

In the *Inspection Results* table, the data in these columns is navigational and takes you to the list report page of the *Find Technical Objects* app. These columns are only available if the business switch EAM_SFWS_CHECKLIST is on.

For more information about the *Display Results History* app, see *Display Results History*.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	QM (<i>Quality Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

6.5.2 Change Documents Created When Recording Characteristic Results and Available to be Displayed in the *Change* facets of the *Record Inspection Results* App

Business Details

In the *Record Inspection Results* app, you can see the change log from the inspection characteristics in the *Changes* facet.

For more information, see [Record Inspection Results](#).

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	QM (<i>Quality Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

6.5.3 Quality Management: Small Enhancements as Part of SAP Continuous Influence Program

Business Details

Improvements in the *Quality Management* component are available to you in the context of the SAP Customer Connection program for Product Lifecycle Management. These improvements are based on proposals submitted by customers through the Customer Influence program.

Application Component	Improvement Description	Software Component	Product Features are (New/Changed)	Improvement Request ID	SAP Note
QM-PT-BD (<i>Basic Data</i>)	Addition of <i>Position</i> , <i>Find</i> , <i>Find Next</i> buttons in Material Assignment Screen of Transaction QP02	S4CORE 108	New	301009 	3504049 
QM-QN (<i>Quality Notifications</i>)	Protection of Fields in Qulaity Notifications Using Status	S4CORE 108 SAP_APPL 618	New	309031 	3435722 

These improvements are valid for all countries.

For more information about SAP Continous Influence Program, see <https://influence.sap.com> .

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	QM (<i>Quality Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

6.6 Country/Region Specifics

For country/region-specific changes, please see [What's New for Functional Localizations in SAP S/4HANA](#).

7 Manufacturing for Production Engineering and Operations

7.1 Cross-Area Features

7.1.1 Customizing Activities and Business Add-Ins for PEO

Business Details

This document provides an overview of new and changed Customizing activities and Business Add-Ins (BAIs) in Customizing for Production under Manufacturing for Production Engineering and Operations.

Customizing Path	Customizing Activity/BAI	Description
► Production ► Manufacturing for Production Engineering and Operations ► Cross-Applications ►	Maintain Defect Code Groups for As-Built Deviations	In this activity, you map deviation types with defect code groups and codes to be used to create defects for as-built deviation.
► Production ► Manufacturing for Production Engineering and Operations ► Business Add-Ins (BAIs) ► Production Engineering ► Production Integration Portal (PiP) Data ►	BAI: Mapping Legacy - PLM Routing Entities	You can use this Business Add-In (BAI) to support the establishment of links between PLM shop floor routings and PEO shop floor routings which were originally created using migration reports. The BAI is called during the processing of report MPE_RTG_ASSGMT_MIGR and it provides the ECC to PLM mapping information. The final aim is to enable the receipt of new revision information from PLM to update PEO shop floor routings.

Customizing Path	Customizing Activity/BAdI	Description
►► Production ► Manufacturing for Production Engineering and Operations ► Production Engineering ► Production Integration Portal (PiP) Data 	<i>Define PiP Data Settings</i>	In this customizing activity, 2 new columns are available in the <i>Source Item</i> table: • <i>DefdProps</i> (Defined Properties Only) - If the MPD file contains information from your PLM system that is not relevant for the PiP handover (such as PLM-internal UUIDs), select this checkbox to instruct the system to filter it out. The system then only transfers the relevant data to the PiP tables making the PiP information available to the production engineer in the PiP workspace of the shop floor routing both clearer and simpler. • <i>Supplement Source Item Type Name</i> - In this column, you can specify the name of an additional entity (source item type name) in the MPD file which acts as a supplement to the corresponding superordinate source item type. The supplement is a generic container storing any properties of the corresponding superordinate source item type in the form of name-value pairs.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	PP - PE0 (<i>Manufacturing Engineering Cockpit</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Production Integration Portal \(PiP\) \[page 191\]](#)

[Establish Links Between Migrated Routings and MPD Files \[page 181\]](#)

7.1.2 Alternative Item Groups Enabled

Business Details

With this feature, the use of alternative item groups has been enabled for SAP S/4HANA Manufacturing for production engineering and operations (PEO). You can use alternative item groups to group together alternative components in a BOM. Any of the components in the alternative item group could be relevant for execution. Currently, one component in the group is defined as the primary component with the usage probability 100%. All the other components are alternatives and initially have the usage probability 0%. When exploding the BOM in the shop floor order, the system includes all members of an alternative item group in the order - the primary component is given the complete required component quantity and the alternatives have the quantity 0. If the primary component is not in stock or doesn't cover the complete order quantity, you can exchange it for one of the alternative components in the [Manage Production Orders](#) app, for example. In this case, the alternative component you select receives the usage probability 100% and the primary component's usage probability is set to 0%.

Additional Details

⚠ Restriction

In this release, you can't yet distribute the required quantity between the alternative components using the usage probability. Only one component in the alternative item group can be selected for execution. This means that the relevant [Strategy](#) currently is 2 only (100%).

This feature has been enabled in the following apps:

- [Maintain Bill of Material](#)

In this release, the use of alternative item groups has been enabled for all downstream PEO processes. New consistency checks have been implemented that are executed when saving and releasing the BOM. These checks determine that the following information is identical for all the alternative components in a group:

- Quantity and unit of measure
- Backflush indicator
- Bulk indicator
- Batch-managed definition
- Either serialized or non-serialized
- Manufacturing reference structure (MRS)

For more information, see [Alternative Items in an Alternative Item Group](#).

- [Manage Planning Routings](#)

In this release, alternative item groups have also been enabled in planning routings. In the list of components in the [Component Assignment Workspace](#), the system only displays the primary component of an alternative item group. When you assign this component to an operation, the system implicitly assigns all the alternative components to the operation in the background.

In the components tables, several new columns are available showing the alternative item group details which you can display by changing the layout of the tables.

For more information, see [Manage Planning Routings \[page 183\]](#).

- [Manage Shop Floor Routings](#)

In the list of BOM components in the [Component Assignment Workspace](#), the system only displays the primary component of an alternative item group. When you assign this component to an operation activity, the system implicitly assigns all the alternative components to the operation activity in the background. In the components tables, several new columns are available showing the alternative item group details which you can display by changing the layout of the tables.

For more information, see [Manage Shop Floor Routings \[page 184\]](#).

- [Manage Order-Specific Shop Floor Routings](#)

In this release, alternative item groups have also been enabled in order-specific shop floor routings. If an alternative item group exists for the MBOM referenced in the shop floor order, the system displays all the alternative components of the group in the [Component List Workspace](#). Several new columns are available in this workspace providing information on the groups.

For more information, see [Manage Order-Specific Shop Floor Routings \[page 185\]](#).

- [Manage Production Orders](#) and [Manage Production Operations](#)

In these apps, information on alternative item groups is now available in the [Components](#) table in the details screen. In this table, you can also exchange the primary component for one of the alternatives in case of a material shortage, for example.

For more information, see [Manage Production Orders \[page 197\]](#) and [Manage Production Operations \[page 198\]](#).

- [Production Action Log](#)

A new action is available that records the exchange of one component for an alternative component.

- [As-Built Report](#)

In the as-built report, the system displays the component that was assembled in execution. Two new columns are available showing whether this component is a member of an alternative item group and whether it is the primary component of the group or an alternative component that was exchanged during execution.

For more information, see [As-Built Report \[page 202\]](#).

- [Compare As-Built with As-Planned](#)

In the comparison report, the system displays the component that was assembled in execution. Two new columns are available showing whether this component is a member of an alternative item group and whether it is the primary component of the group or an alternative component that was exchanged during execution. If an alternative component was used, the system indicates that a difference exists between the as-built and the as-planned - it displays the planned primary component in the [Planned Material](#) column and the alternative component that was actually used in the [Consumed Material](#) column. In this case, no deviation is recorded.

For more information, see [Compare As-Built with As-Planned \[page 200\]](#).

- [Order Genealogy](#)

Two new columns are available in the traceable components tables showing which components are members of an alternative item group and whether they are the primary component of the group or an alternative component that was exchanged during execution.

For more information, see [Order Genealogy \[page 204\]](#).

- [Product Genealogy](#)

Two new columns are available in the traceable components tables showing which components are members of an alternative item group and whether they are the primary component of the group or an alternative component that was exchanged during execution.

For more information, see [Product Genealogy \[page 203\]](#).

- [Integration with an ERP System](#)

In this release, the use of alternative item groups has been enabled in PEO processes and, therefore, you can now also replicate component exchanges in the classic PP production order done either manually or automatically by an available-to-promise check to the PEO shop floor order. That is, when replicating PP production orders from your SAP ECC system to the SAP S/4HANA PEO system (either the initial replication or the replication of a later update), the system also takes account of any component exchanges done within an alternative item group in the PP production order and also performs the exchange in the PEO shop floor order. In addition, component exchanges within an alternative item group done in PEO (in either the Manage Production Orders or Manage Production Operations apps) are also replicated back to the classic PP production order in your SAP ECC system.

For more information, see [Integration with an ERP System \[page 173\]](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	PP - PEO (Manufacturing Engineering Cockpit)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

7.1.3 Integration with an ERP System

Business Details

This feature enables you to run PEO side by side an ERP system. In this integration scenario, you use the edition of SAP Digital Supply Chain Management for SAP S/4HANA to perform production engineering and operations, while performing all other processes in a separate system (either SAP ECC or a second SAP S/4HANA system). In this release, the use of alternative item groups has been enabled in PEO processes and, therefore, you can now also replicate component exchanges in the classic PP production order done either manually or automatically by an available-to-promise check to the PEO shop floor order. See the [Additional Details](#) for more information.

Additional Details

When replicating PP production orders from your SAP ECC system to the SAP S/4HANA PEO system (either the initial replication or the replication of a later update), the system also takes account of any component

exchanges done within an alternative item group in the PP production order and also performs the exchange in the PEO shop floor order.

⚠ Restriction

In this release, the replication of component exchanges is only successful if the usage probability of the component is 100%. That is, you can't yet distribute the required quantity between the alternative components using the usage probability. Only one component in the alternative item group can be selected for execution. This means that currently you can only use *Strategy 2* (100% check). If you have selected a different logic for alternative components in the PP classic production order, any changes are currently ignored and are not replicated to PEO.

When replicating changed order information from PEO back to your SAP ECC system, the system now also includes any component changes resulting from exchanging one alternative component for another one from an alternative item group.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	PP - PEO - INT (<i>Integration</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Alternative Item Groups Enabled \[page 171\]](#)
[Integration with an ERP System](#)

7.1.4 Enhancements to Change-Notice-Driven Process

Business Details

With this feature, you can use change notices to send source BOMs that contain phantom BOMs from your external PLM system to PEO and you can access the information regarding the phantom hierarchies in the

downstream processes, such as shop floor routing creation. You can also use this feature to send an MPD file from your external PLM system to support you in the creation of the shop floor routing.

Up till now, PEO expected phantom levels to be flattened in MBOMs that were sent from an external PLM system to PEO. This led to a loss of valuable information on phantom hierarchies in the downstream PEO processes.

With this feature, you can use change notices to send source BOMs that contain phantom assemblies from your external PLM system. PEO creates a target BOM with flattened phantom levels (each component of the flattened phantom BOMs is included as a BOM item in the shop floor BOM), but also keeps a record of the phantom levels of the source PLM BOM so that you can display the information on the phantom hierarchy in the downstream processes in PEO, such as the creation of the shop floor routing. Furthermore, you can also send an MPD file from your external PLM system to further support you in the creation of the shop floor routing.

⚠ Restriction

In this process, you need to bypass the Visual Enterprise Manufacturing Planner (VEMP) and use a dedicated **automatic plan-as-designed** function. This means that no manual restructuring of the source BOM is possible.

Sending a PLM Source BOM with Phantom BOMs



Type of Processing	Step	Details
Initial Processing	Send Data from External PLM System	You send the source header BOM from the external PLM system via an integration solution (such as PLM system integration for SAP S/4HANA (PLMSI)). This header BOM consists of a hierarchy of phantom BOMs. It is also possible to send a 3D visual as long as you use dynamic visualization. APIs map the data packages into a change record of the record type Engineering Change Notice (PEO).

Type of Processing	Step	Details
	Prepare MBOM Creation	You call up the change notice from the Manage Change Records app and perform Perform MBOM Creation for the source header BOM. This step creates the planning scope, an internal engineering snapshot, and a manufacturing change record. This manufacturing change record contains the planning scope, internal engineering snapshot, source header BOM, and 3D visual.
	Automatic Plan as Designed	You perform automatic plan-as-designed for the manufacturing change record you created in the previous step. This step performs the following: - Creates a shop floor BOM with flattened phantom levels, so that this shop floor BOM can be used in manufacturing execution. - Regenerates any 3D visuals so that the target shop floor BOM still has the correct visuals associated to it. - Adds the newly created shop floor BOM to the change record. From the change record, you can now create the shop floor routing on the basis of the shop floor BOM in the Manufacturing BOM section. You can display information on the phantom hierarchy levels in the component assignment workspace of the Manage Shop Floor Routings app. This information is also available in the Perform Work apps.
Incorporation of Subsequent Changes	Send Data from External PLM System	In the event of any change, you simply need to send the objects that have changed in a new change notice. - If only an individual phantom BOM has changed, you only need to send the new version of this phantom BOM in a change notice. - If a new phantom BOM has been added or an existing phantom BOM has been deleted from the BOM hierarchy, then you need to send the new version of header BOM and any newly created phantom BOMs.
	Automatic processing	PEO creates a new manufacturing change record which contains the following objects: - The planning scope from the initial handover - A new revision of the internal engineering snapshot - The header BOM version - The latest released routing version
	Automatic Plan as Designed	You perform automatic plan-as-designed for the manufacturing change record created in the previous step. This step performs the following: - Creates a new shop floor BOM version with flattened phantom levels, so that this shop floor BOM can be used in manufacturing execution - Regenerates any 3D visuals so that the target shop floor BOM still has the correct visuals associated to it. - Adds the new shop floor BOM version to the change record. From the Shop Floor Routing section of the change record, you can now update the shop floor routing on the basis of the new shop floor BOM version. You can display information on the phantom hierarchy levels in the component assignment workspace of the Manage Shop Floor Routings app. This information is also available in the Perform Work apps.

Sending a PLM Source BOM with Phantom BOMs and an MPD File



Type of Processing	Step	Details
Initial Processing	Send Data from External PLM System	You send the source header BOM from the external PLM system via an integration solution (such as PLM system integration for SAP S/4HANA (PLMSI)). This header BOM consists of a hierarchy of phantom BOMs. It is also possible to send a 3D visual as long as you use dynamic visualization. In this scenario, you also send an MPD file, which is attached to the BOM header. APIs map the data packages into a change record of the record type Engineering Change Notice (PEO) .
	Prepare MBOM Creation	You call up the change notice from the Manage Change Records app and perform Perform MBOM Creation for the source header BOM. This step creates the planning scope, an internal engineering snapshot, and a manufacturing change record. This manufacturing change record contains the planning scope, internal engineering snapshot, source header BOM, MPD file, and 3D visual.

Type of Processing	Step	Details
Incorporation of Subsequent Changes	Automatic Plan as Designed	You perform automatic plan-as-designed for the manufacturing change record you created in the previous step. This step performs the following: - Creates a shop floor BOM with flattened phantom levels, so that this shop floor BOM can be used in manufacturing execution. - Regenerates any 3D visuals so that the target shop floor BOM still has the correct visuals associated to it. - Creates a manufacturing snapshot and performs PiP data preparation. - Adds the newly created shop floor BOM and manufacturing snapshot to the change record. From the Manufacturing Snapshot section of the change record, you can now create the shop floor routing on the basis of the newly created manufacturing snapshot. - The PiP workspace is available in the Manage Shop Floor Routings app to support you in the creation of the shop floor routing. The PiP source files are displayed in this workspace where you can use them to create work instructions, inspection characteristics, PRTs, documents, buyoffs, and qualifications, as well as shop floor routing structure objects. - The component assignment workspace of the Manage Shop Floor Routings app displays information on the phantom hierarchy levels. This information is also available in the Perform Work apps.
	Send Data from External PLM System	In the event of any change, you simply need to send the objects that have changed in a new change notice. - If only an individual phantom BOM has changed, you only need to send the new version of this phantom BOM in a change notice. - If a new phantom BOM has been added or an existing phantom BOM has been deleted from the BOM hierarchy, then you need to send the new version of header BOM and any newly created phantom BOMs. - If only the MPD file has changed, then you need to send the new version of the MPD file attached to the header BOM.
	Automatic processing	PEO creates a new manufacturing change record which contains the following objects: - The planning scope from the initial handover - A new revision of the internal engineering snapshot - The header BOM version - Any new phantom BOM versions - The latest released routing version - The latest version of the MPD file

Type of Processing	Step	Details
	Automatic Plan as Designed	You perform automatic plan-as-designed for this manufacturing change record created in the previous step. This step performs the following: - Creates a new shop floor BOM version with flattened phantom levels, so that this shop floor BOM can be used in manufacturing execution - Regenerates any 3D visuals so that the target shop floor BOM version still has the correct visuals associated to it. - Creates a manufacturing snapshot revision. - Adds the newly created shop floor BOM version and manufacturing snapshot revision to the change record. From the Manufacturing Snapshot section of the change record, you can now update the shop floor routing on the basis of the manufacturing snapshot revision. - The PiP workspace is available in the Manage Shop Floor Routings app to support you in the creation of the shop floor routing. The PiP source files are displayed in this workspace where you can use them to create work instructions, inspection characteristics, PRTs, documents, buyoffs, and qualifications, as well as shop floor routing structure objects. - The component assignment workspace of the Manage Shop Floor Routings app displays information on the phantom hierarchy levels. This information is also available in the Perform Work apps.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	PP - PEO (Manufacturing Engineering Cockpit)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Comparing PEO Process Strategies](#)
[Automatic Plan-as-Designed \[page 187\]](#)

7.1.5 Handling Phantoms in BOM Migration

Business Details

With this feature, you can migrate classic BOMs that consist of a multilevel structure and contain phantom BOMs. The system creates shop floor BOMs where the phantom levels are flattened. This ensures that the shop floor BOMs can be used in shop floor execution. The information regarding the phantom levels is also accessible in the downstream processes in PEO.

Additional Details

It is now possible to create version-controlled shop floor BOMs from classic BOMs that contain phantom BOMs. Phantom hierarchies are not supported in shop floor execution, so you need to follow a new procedure which creates shop floor BOMs with flattened hierarchy levels, and still keeps a record of the phantom hierarchy information so that it can be accessed by downstream processes in PEO.

The procedure consists of the following steps:

1. Perform migration of classic BOMs to intermediate BOMs which have a BOM usage that is not relevant for execution.
2. Create a change notice that contains the migrated header BOM along with its associated phantom BOM versions.
3. Prepare MBOM creation for the migrated header BOM and create a new manufacturing change record.
4. Perform `automatic plan-as-designed` to create the shop floor BOM.

The system creates a shop floor BOM and adds it to the manufacturing change record under the [Manufacturing BOM](#) section. In this BOM, all phantom levels are flattened and each component of the flattened phantom BOMs are included as individual BOM items. You can now use this MBOM with flattened phantom levels to create the shop floor routing in the [Manage Shop Floor Routings app](#), where it is possible to display the phantom hierarchy levels for each component of the phantom hierarchy..

Implementation Details

Customizing

This feature involves working with change records of the change record type `Engineering Change Notice (PEO)`. For information on how to configure this change record type in Customizing, see [Settings for Change Notices](#)

Technical Details

Type	Changed
Functional Localization	No localization

Scope Item	Not applicable
Technical Object Name	Programs RMPE_MIGRATE_BOM (<i>Migration of Classic BOMs to Version-Controlled BOMs</i>) and RMPE_MIGRATE_UNITIZED_BOM (<i>Migration of Classic BOMs to Unitized Version-Controlled BOMs</i>)
Application Component	PP - PEO - MIG (<i>PEO Migration-Related Topics</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[How to Handle Phantoms in BOM Migration Automatic Plan-as-Designed \[page 187\]](#)

7.1.6 Establish Links Between Migrated Routings and MPD Files

Business Details

After migrating classic routings to PEO version-controlled shop floor routings, you can run a report to establish links and create PiP artifacts for your migrated routings. This enables you to send MPD files from your external PLM system to support you in the updating of the shop floor routing in PEO.

Additional Details

It is now possible to send MPD files from your external PLM system for the purpose of updating shop floor routings that were created as a result of migrating classic routings. The basic process is as follows:

1. Migrate classic routings to PEO version-controlled shop floor routings. For more information, see [Migrating Classic Routings](#).
2. Run program MPE_RTG_ASSGMT_MIGR to create the PiP artifacts required to establish links between PEO shop floor routings and the MPD files from your external PLM system.
3. Send an updated MPD file from your external PLM system. The system performs the PiP data preparation and creates a manufacturing snapshot revision, which you can call up in the [Monitor Snapshots](#) app.
4. From this app, create a manufacturing change record for this snapshot and perform the change impact analysis.
5. Add the shop floor routing pinpointed by the change impact analysis to the change record. You can now create a new version of the shop floor routing based on the contents of the MPD file.
6. In the [Manage Shop Floor Routings](#) app, navigate to the PiP workspace. Here you can see which objects are impacted by the new version of the MPD file. You can also use the [Compare](#) function in the details workspace to compare the shop floor routing with its previous version.

7. Use the handover functions in the PiP workspace to update the new shop floor routing version with the data from the MPD file.

Implementation Details

Customizing

The following Customizing activities are required:

► [Production](#) ► [Manufacturing for Production Engineering and Operations](#) ► [Production Engineering](#) ► [Production Integration Portal \(PiP\) Data](#) ► [Define PiP Data Settings](#) ►

In this Customizing activity, you need to define the MPD file class. For more information, see [Define Customizing Settings for PiP Data](#).

► [Production](#) ► [Manufacturing for Production Engineering and Operations](#) ► [Business Add-Ins \(BAdIs\)](#) ► [Production Engineering](#) ► [Production Integration Portal \(PiP\) Data](#) ► [BAdI: Mapping Legacy - PLM Routing Entities](#) ►

You can use this Business Add-In (BAdI) to support the establishment of links between PLM shop floor routings and PEO shop floor routings which were originally created using migration reports. The BAdI is called during the processing of report MPE_RTG_ASSGMT_MIGR and it provides the ECC to PLM mapping information. The final aim is to enable the receipt of new revision information from PLM to update PEO shop floor routings.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Program:MPE_RTG_ASSGMT_MIGR (Establish Links Between Migrated S4H Routing and PLM Routing)
Application Component	PP - PEO - MIG (PP-PEO-MIG)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

7.2 Extended Production Engineering

7.2.1 Manage Planning Routings

Business Details

With this feature, you can create simplified routings that you can use together with the planning BOM for planning purposes long before the complex shop floor BOM and routing are completed. You can now use new features that are available for maintaining planning routings which are described in the [Additional Details](#).

Additional Details

- **Alternative Item Groups**

In this release, alternative item groups have been enabled. If an alternative item group exists for the planning BOM that is assigned to the planning routing, the system only displays the primary component of the group in the [Component Assignment Workspace](#). The new [Alternative Item Group](#) column is available in the components table that displays the alternative item group name, if available. When you assign the primary component to an operation, the system implicitly assigns all the alternative components in the background.

To show more information on an alternative item group, in the [Component Assignment Workspace](#), select a component that is a member of a group from the list of components and choose [Display Component Details](#). In the resulting popup, the system lists all the alternative item group members.

The [Alternative Item Group](#) column has also been added to all the components tables which you can display by changing the layout.

- **Change Numbers now Mandatory for Date-Effective Planning Routings**

From this release, when working with date-effective planning routings, the entry of a change number is now mandatory. You can also create a planning routing using a change record. However, the change record must contain a change number.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	MSFR14
Application Component	PP - PEO - SFR (Shop Floor Routing)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Alternative Item Groups Enabled \[page 171\]](#)
[Working with Change Records and Change Numbers for Date-Effective Planning Routings](#)

7.2.2 Manage Shop Floor Routings

Business Details

With this feature you can create and manage your shop floor routings. You can now use new features that are available for maintaining shop floor routings, which are described in the [Additional Details](#).

Additional Details

New, changed, and enhanced features are available for the Manage Shop Floor Routings app:

Alternative Item Groups

In this release, alternative item groups have been enabled. If an alternative item group exists for the MBOM that is assigned to the shop floor routing, the system only displays the primary component of the group in the [Component Assignment Workspace](#). The new [Alternative Item Group](#) column is available in the components table that displays the alternative item group name, if available. When you assign the primary component to an operation activity, the system implicitly assigns all the alternative components in the background. If you split the component quantity between several operation activities within an operation, the system also saves the assignment of the alternative components in the background.

To show more information on an alternative item group, in the [Component Assignment Workspace](#), select a component that is a member of a group from the list of components and choose [Display Component Details](#). In the resulting popup, choose the [Alternative Items](#) tab where the system lists all the alternative item group members.

The [Alternative Item Group](#) column has also been added to all the components tables which you can display by changing the layout.

Work Instructions

To make authoring in work instructions more organized, you can now add user-defined tables in interactive and non-interactive work instructions. You can use these tables to clearly define shop floor activities based on your needs. You can use them to add inline references in a table, required text, and also images within the table columns to make work instructions clear and coherent.

You can now also add group inspection characteristics to interactive and non-interactive work instructions.

Technical Details

Type	Changed
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Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	MSFR4
Application Component	PP - PE0 - SFR (<i>Shop Floor Routing</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Alternative Item Groups Enabled \[page 171\]](#)

7.2.3 Manage Order-Specific Shop Floor Routings

Business Details

With this feature you can create and manage your order-specific shop floor routings. You can now use new features that are available for maintaining order-specific shop floor routings, which are described in the [Additional Details](#).

Additional Details

The following new, changed, and enhanced features are available in the *Order-Specific Shop Floor Routings* app:

Alternative Item Groups

In this release, alternative item groups have been enabled. If an alternative item group exists for the MBOM referenced in the shop floor order, the system displays all the alternative components of the group in the [Component List Workspace](#). Several new columns are available in this workspace providing information on the groups:

- The *Alternative Item Group* column shows the ID of the group.
- The *Primary Component* column shows the component defined as the primary one.
- The *Use in Production* column shows the component that is currently selected and therefore relevant for production.

Restriction

In this release, you can't yet distribute the required quantity between the alternative components using the usage probability. Only one component in the alternative item group can be selected for execution. This means that currently, you can only use *Strategy 2* (100% check).

In the [Component List Workspace](#), you can delete alternatives that you no longer want to use in execution (as long as the editing state is *Editable*). If you work with instances, you can't add additional instances but you can

delete existing ones, if still [Editable](#). The system then automatically deletes the corresponding instance from all alternatives. If you work with components, you can also change the quantity of the BOM item by increasing or decreasing it. If partially editable, you can change the quantity not yet assembled. The system automatically adjusts the quantities of all group members.

To show more information on an alternative item group, in the [Component Assignment Workspace](#), select a component that is a member of a group from the list of components and choose [Display Component Details](#). In the resulting popup, choose the [Alternative Items](#) tab where the system lists all the alternative item group members.

→ Tip

It is possible that the production supervisor exchanges a component in the [Manage Production Orders](#) or [Manage Production Operations](#) apps while an order-specific shop floor routing is in process and an active order-change hold exists for the shop floor order. The system automatically updates this exchange information in the order-specific shop floor routing.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	MSFR7
Application Component	PP - PE0 - SFR (Shop Floor Routing)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Alternative Item Groups Enabled \[page 171\]](#)

7.2.4 Automatic Plan-as-Designed

Business Details

As a production engineer, you can now use a dedicated transaction to create shop floor BOMs from source BOMs that are sent from your external PLM system, without the need to launch the Visual Enterprise Manufacturing Planner (VEMP).

Additional Details

Automatic Plan-as-Designed is a new dedicated transaction which creates shop floor BOMs that are based on source BOMs sent from your external PLM system via change notices. There is no need to launch the Visual Enterprise Manufacturing Planner (VEMP) to perform an EBOM-to-MBOM handover. You can use this function in the following scenarios:

- No manual restructuring of the PLM source BOM is required and you want to create a target shop floor BOM in PEO that is based exactly on the source BOM sent from your external PLM system.
- The source BOM sent from your external PLM system contains phantom hierarchies which must be flattened in the resulting shop floor BOM in order for them to be used in manufacturing execution.
- You want to send both a source BOM and an MPD file from your external PLM system to support you in the creation of the shop floor routing.

Note

As the name of this function suggests, it is not possible to perform any manual restructuring of the target shop floor BOM when you use **Automatic Plan-as-Designed**. This function simply creates the shop floor BOM exactly as-is and if phantom levels exist in the source BOM, then they are flattened to enable shop floor execution.

Basic Procedure

For an overview of the whole process, see [Enhancements to Change-Notice-Driven Process \[page 174\]](#).

Implementation Details

Customizing

This function requires the use of change records of the type **Engineering Change Notice (PE0)**. For information on how to configure this change record type in Customizing, see [Settings for Change Notices](#).

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Transaction MPE_BOM_TO_BOM_CONV
Application Component	PP - PEO - CM (<i>PEO Change Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Alternative to VEMP: Automatic Plan-as-Designed Enhancements to Change-Notice-Driven Process \[page 174\]](#)

7.2.5 Manage Production Models - Engineer-To-Order

Business Details

With this feature, you can create and maintain engineer-to-order (ETO) production models for configurable materials. You can now use new features that are available for managing ETO production models, which are described in the *Additional Details* section.

Additional Details

Working with Instances

When working with non-visual BOM components (BOM components for which a 3D visual does not exist), the following actions are now possible:

- Add a new non-visual BOM component with instances.
- Increase the number of instances of a non-visual BOM component.
- Decrease the number of instances of a non-visual BOM component.

For more information, see [BOM Component Handling](#).

Working with Change Records

Up till now, it was only possible to assign the ETO production model to an existing change record. It is now possible to assign the ETO production model to a new change record as follows:

- During creation of the ETO production model in [Step 5](#) of the guided procedure. For more information, see [How to Create ETO Production Models](#).
- From the details screen of the ETO production model in display mode by choosing [Manage Change Record](#). For more information, see the help documentation for this function in the app.

Implementation Details

Customizing

You can only assign an ETO production model to a change record if the reference objects [ETO version BOM](#) and [Shop Floor Routing](#) have been assigned to the change record type. You maintain this assignment in Customizing for change records. For more information, see [Settings for Change Records](#).

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: F7561
Application Component	PP - PEO - MDL (Production Model)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Manage Production Models - Engineer-to-Order](#)

[How to Add New Components and Assign them to Operation Activities](#)

[How to Change or Delete Components and Component Assignments](#)

7.2.6 Manage Production Models - Materials

Business Details

With this app, you can maintain production models for single-level, non-unitized materials. The production model provides a joint view of the manufacturing bill of material (MBOM) and the shop floor routing to facilitate hand-in-hand definition of the MBOM components and shop floor production steps, supported by a 3D visual of the header material of the MBOM.

Currently, the starting point of a material production model is a shop floor routing with a valid MBOM assignment, which you then migrate to create a production model, by executing a report in the back-end system. In the details screen of the material production model, you can then maintain BOM components and instances, adjust the production steps (operations and operation activities) as necessary, and you can perform component assignment. If you need to make changes to other objects such as work instructions or inspection characteristics, you can navigate to the shop floor routing directly from the material production model. Once the material production model is complete, you can release it to trigger downstream processes. You can also create new versions of material production models and assign material production models to change records to initiate and monitor each change cycle for your material.

Restriction

In this release, it is not possible to maintain material production models for unitized materials.

Implementation Details

Customizing

► [Production](#) ► [Manufacturing for Production Engineering and Operations](#) ► [Production Engineering](#) ► [Production Models](#) ► [Configure the Details Page Layout](#) ►

In this Customizing activity, you define the layout options you need for the details screen of the app. These options specify which tables you want to display in which screen segment. The system automatically opens the details screen using the layout defined as the default layout. For more information, see [Settings for Production Models](#).

Effects on Existing Data

You first migrate existing shop floor routings with a valid MBOM assignment and then maintain the production model for the migrated shop floor routing and MBOM combination in the [Manage Production Models - Materials](#) app. To perform the migration step, you execute program MPE_MIGRATE_SFR_TO_PMDL in the back-end system.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: F8259
Application Component	PP - PEO - MDL (<i>Production Model</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Manage Production Models - Materials](#)

7.2.7 Production Integration Portal (PiP)

Business Details

With this feature, you can integrate various kinds of files from an external system to SAP S/4HANA PEO and subsequently use these source files in production engineering when creating the shop floor routing. In the source item table, two new columns are available:

- **DefdProps** (Defined Properties Only)
By selecting this checkbox for a source item type, the system will only include the source item properties that you have defined in the PiP configuration when transferring your source data to the PiP tables and will ignore any additional properties. These ignored properties will not be available for the PiP handover in the shop floor routing.
If the MPD file contains information from your PLM system that is not relevant for the PiP handover (such as PLM-internal UUIDs), select this checkbox to instruct the system to filter it out. The system then only transfers the relevant data to the PiP tables making the PiP information available to the production engineer in the PiP workspace of the shop floor routing both clearer and simpler.
- **Supplement Source Item Type Name**
You can specify an additional entity (source item type name) in the MPD file which acts as a supplement to the corresponding superordinate source item type. The supplement is a generic container storing any properties of the corresponding superordinate source item type in the form of name-value pairs.
By defining supplements contained in your MPD file, you enable the PiP file transformation to convert the name-value pairs stored in the supplement to normal properties of the corresponding superordinate source item type.

Implementation Details

Customizing

► [Production](#) ► [Manufacturing for Production Engineering and Operations](#) ► [Production Engineering](#) ► [Production Integration Portal \(PiP\) Data](#) ► [Define PiP Data Settings](#) ►

In this customizing activity, in the [Source Item](#) table, you can specify that defined properties are to be transferred only and you can enter the name of the supplement source item type.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	PP - PEO - PIP (Production Integration Portal)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Customizing Activities and Business Add-Ins for PEO \[page 169\]](#)

7.3 Extended Production Process Setup

7.3.1 Action Handler to Disallow Unplanned Components

Business Details

With the action handler CHECK_ASSEMBLY_NOT_UNPLANNED ([Prevent assembly not related to an order component](#)), you can instruct the system to disallow the addition of unplanned components. This means that you can only record the assembly of such unplanned data by creating an order-specific shop floor routing or by adding the data to the as-built report.

Additional Details

You can use this action handler if you do not want to allow the production operator to add unplanned data directly in the *Perform Operation Activity* and *Process Serial Number Groups* apps and if you have implemented the remote-enabled function module MPE_COMPONENT_ASSEMBLY. In standard customizing, this action handler is limited to the SAS actions SAP_COMP_ASSEMBLY_OA and SAP_MATERIAL_RETURN_OA for the non-serialized scenario and SAP_COMP_ASSEMBLY_SFI and SAP_MATERIAL_RETURN_SFI for the serialized scenario. The processing point for the action handler is defined as *Preprocessing* (PR) which means that it is intended to perform additional checks before processing the action.

Implementation Details

If you want to use this action handler, you need to add it to the appropriate actions in the *Manage Action Settings* app. For more information, see *How to Add Action Handlers*.

→ Tip

You can also add action handlers to specific operation activities when maintaining the shop floor routing.

Customizing

► *Production* ► *Manufacturing for Production Engineering and Operations* ► *Production Operations* ► *Action Processing* ► *Define Action Handlers* ►

The new action handler is available in this Customizing activity.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	CHECK_ASSEMBLY_NOT_UNPLANNED
Application Component	PP-PE0-SFE (<i>Shop Floor Execution</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[The Action Hook Framework](#)

7.3.2 Action Handler to Disallow Unplanned Production Resources / Tools (PRTs)

Business Details

With the action handler `CHECK_PRT_REGN_NOT_UNPLANNED` (*Prevent PRT registration not related to an order PRT*), you can instruct the system to disallow the registration of unplanned PRTs. This means that you can only record such unplanned data by creating an order-specific shop floor routing.

Additional Details

You can use this action handler if you do not want to allow the production operator to register unplanned data in the *Perform Operation Activity* and *Process Serial Number Groups* apps and if you have implemented any of the following remote-enabled function modules:

- `MPE_OA_EXEC_PRT_REGN_EQUIPMENT`
- `MPE_OA_EXEC_PRT_REGN_MATL_QTY`
- `MPE_OA_SFI_GRP_PRT_REGN_EQUIP`
- `MPE_OA_SFI_GRP_PRT_REGN_MATL`

In standard customizing, this action handler is limited to the SAS action `SAP_TOOL_REGN_OA` for the non-serialized scenario and `SAP_TOOL_REGN_SFI` for the serialized scenario. The processing point for this action handler is defined as *Preprocessing* (PR) which means that it is intended to perform additional checks before processing the action.

Implementation Details

If you want to use this action handler, you need to add it to the appropriate actions in the *Manage Action Settings* app. For more information, see [How to Add Action Handlers](#).

→ Tip

You can also add action handlers to specific operation activities when maintaining the shop floor routing.

Customizing

► *Production* ► *Manufacturing for Production Engineering and Operations* ► *Production Operations* ► *Action Processing* ► *Define Action Handlers* ►

The new action handler is available in this Customizing activity.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	CHECK_PRT_REGN_NOT_UNPLANNED
Application Component	PP-PEO-SFE (<i>Shop Floor Execution</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[The Action Hook Framework](#)
[Action Handlers Available with PEO](#)
[Integration with Smart Tools and Machines](#)

7.3.3 Action Handler to Disallow Unplanned Inspection Characteristics

Business Details

With the action handler CHECK_UNPLANNED_INSP_CHARC_CRTN (*Check unplanned inspection characteristic creation*), you can instruct the system to disallow the addition of unplanned inspection characteristics in the *Perform Operation Activity* app. This means that you can only record such unplanned data by creating an order-specific shop floor routing.

Additional Details

You can use this action handler if you do not want to allow the production operator to add unplanned data directly in the *Perform Operation Activity* app. In standard customizing, this action handler is limited to the SAS action SAP_UNPLND_INSP_CHARC_CRTN_OA for the non-serialized scenario and SAP_UNPLND_INSP_CHARC_CRTN_SFI for the serialized scenario. The processing point for this action handler is defined as *Preprocessing* (PR) which means that it is intended to perform additional checks before processing the action.

Implementation Details

If you want to use this action handler, you need to add it to the appropriate actions in the [Manage Action Settings](#) app. For more information, see [How to Add Action Handlers](#).

→ Tip

You can also add action handlers to specific operation activities when maintaining the shop floor routing.

Customizing

► [Production](#) ► [Manufacturing for Production Engineering and Operations](#) ► [Production Operations](#) ► [Action Processing](#) ► [Define Action Handlers](#) ►

The new action handler is available in this Customizing activity.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	CHECK_UNPLANNED_INSP_CHARC_CRTN
Application Component	PP - PEO - SFE (Shop Floor Execution)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[The Action Hook Framework](#)
[Action Handlers Available with PEO](#)

7.4 Extended Production Operations

7.4.1 Production Control

7.4.1.1 Manage Production Orders

Business Details

With this app, you can monitor the progress of production and manage your production orders. It has been updated with a number of new enhancements, which are described in the [Additional Details](#).

Additional Details

The following enhanced features have been enabled for the [Manage Production Orders](#) app:

Miscellaneous Features

A new consistency check has been implemented that prevents you from increasing an order quantity if any operation activity in the order has already been finished (completed or skipped). If you try to increase an order quantity and the system detects that at least one of the operation activities of the order has been finished, it displays an appropriate error message with detailed information.

Alternative Item Groups

- For the [Components](#) table in the details screen for a shop floor order, the new [Relevant](#) filter is available in addition to the already existing [Missing](#) filter. In this new filter, the system lists all components that are relevant for execution in the shop floor order.
- The new [Alternative Item Group](#) column is available for the [Components](#) table which you can show by selecting the corresponding option in the table settings (⚙️ [Settings](#)). If a component is a member of an alternative item group, the system displays the group ID in this column. Only the primary component, which has the usage probability 100%, is listed in the [Relevant](#) filter. This means that the quantity of the primary component covers the complete order quantity and the alternative components each have the quantity 0.
- In the [Components](#) table, you can exchange the primary component of an alternative item group for one of the alternative components if, for example, the available quantity of the primary component does not cover the complete order quantity. To exchange the component, click the [Exchange](#) button that is also displayed in the [Alternative Item Group](#) column and select the new primary component. The system exchanges the components and updates the usage probabilities accordingly meaning that the new primary component is set to 100% and the former primary component is set to 0%. Currently, the usage probability can only be 100% or 0%. You can't yet distribute the usage probability between several alternative components.

⚠️ Restriction

In this release, you can't exchange a component if:

- An open defect exists for it.
- Inspection data has been collected for it (it is possible to collect data with reference to a component).
- An assembled quantity has been posted for it.

- It has a temporary disassembly-reassembly reference. That is, a temporary disassembly has been created for it in the order-specific shop floor routing.
- A serial number group exists for an operation activity to which this component is assigned.
- An operation activity has been completed.

In addition, in the as-built correction, you can't add a component (planned or unplanned) that is a member of an alternative item group and has the quantity 0.

→ Tip

You can still exchange a component even if an order-change hold is active for the shop floor order. That is, if an order-specific shop floor routing exists for the order that is still in process. In the order-specific shop floor routing, the system updates the currently selected component in the [Component List Workspace](#).

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	F2336
Application Component	PP - PE0 - SF0 (Shop Floor Order Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Alternative Item Groups Enabled \[page 171\]](#)

7.4.1.2 Manage Production Operations

Business Details

With this app, you can monitor the progress of production. It has been updated with a number of new enhancements, which are described in the [Additional Details](#).

Additional Details

The following enhanced features have been enabled for the [Manage Production Operations](#) app:

Alternative Item Groups

- The new [Relevant](#) filter is available for the [Components](#) table in the details screen for an operation in addition to the already existing [Missing](#) filter. In this new filter, the system lists all components that are relevant for execution in the selected operation.
- The new [Alternative Item Group](#) column is available for the [Components](#) table which you can show by selecting the corresponding option in the table settings (⚙️ [Settings](#)). If a component is a member of an alternative item group, the system displays the group ID in this column. Only the primary component is listed in the [Relevant](#) filter. The primary component has the usage probability 100% and all the others are set to 0%. This means that the quantity of the primary component covers the complete order quantity and the alternative components each have the quantity 0.
- In the [Components](#) table, you can exchange the primary component of an alternative item group for one of the alternative components if, for example, the available quantity of the primary component does not cover the complete order quantity. To exchange the component click the [Exchange](#) button that is also displayed in the [Alternative Item Group](#) column and select the new primary component. The system exchanges the components and updates the usage probabilities accordingly meaning that the new primary component is set to 100% and the former primary component is set to 0%. Currently, the usage probability can only be 100% or 0%. You can't yet distribute the usage between several alternative components.

⚠️ Restriction

In this release, you can't exchange a component if:

- An open defect exists for it.
- Inspection data has been collected for it (it is possible to collect data with reference to a component).
- An assembled quantity has been posted for it.
- It has a temporary disassembly-reassembly reference. That is, a temporary disassembly has been created for it in the order-specific shop floor routing.
- A serial number group exists for an operation activity to which this component is assigned.
- An operation activity has been completed.

In addition, in the as-built correction, you can't add a component (planned or unplanned) that is a member of an alternative item group and has the quantity 0.

→ Tip

You can still exchange a component even if an order-change hold is active for the shop floor order. That is, if an order-specific shop floor routing exists for the order that is still in process. In the order-specific shop floor routing, the system updates the currently selected component in the [Component List Workspace](#).

Technical Details

Type	Changed
Functional Localization	No localization

Scope Item	Not applicable
Technical Object Name	F2335
Application Component	PP-PE0-SF0 (<i>Shop Floor Order Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Alternative Item Groups Enabled \[page 171\]](#)

7.4.2 Production Monitoring

7.4.2.1 Compare As-Built with As-Planned

Business Details

With this app, you can create a comparison of a serialized product as it was actually built in execution with its as-planned MBOM. Based on a serial number and material, you can check what has been built up to the current date and compare this information with what was planned. The app has been updated with a number of new enhancements, which are described in Additional Details.

Additional Details

The following enhanced features have been enabled for the *Compare As-Built with As-Planned* app:

Deviation Type

In the new *Deviation Type* dropdown list, you can filter the list by a type of deviation that you want to focus on. For example, you can filter by quantity deviation or differences in material number or parameter effectivity. Click the button again to display all deviations.

Deviation Status

In the new *Deviation Status* dropdown list, you can filter the list by the current status of the deviations. You can filter for deviations that are *Identified*, *In Process*, or *Resolved*.

→ Tip

If you have created a defect for the deviation, the deviation status reflects the status of the defect. Or, if you have created a quality notification for the defect, the deviation status then reflects the status of the quality notification.

[Show Deviations](#)

- You can select an item in the hierarchy for which a deviation exists, choose the new [Show Deviations](#) button and then select [For Item](#) to open a screen section showing the deviation for the selected item. In this screen section, you can choose to create a defect for the deviation if further processing steps are required. Or, you can choose [Acknowledge](#) to accept the deviation without any further processing steps and set it to [Resolved](#).
- You can select a hierarchy node in the list, choose the new [Show Deviations](#) button and then select [For Hierarchy](#) to open a screen section listing all the deviations that exist for all items in the selected hierarchy. You can then process all deviations in this screen section by either acknowledging them if no further action is required or by creating a defect to trigger further processing steps.

Note

From this deviations side panel, you can also download the information to Excel for further processing.

Alternative Item Groups

In the comparison report, the system displays the component that was assembled in execution in the [Material Number](#) hierarchy. If an alternative component (from an alternative item group) was used instead of the primary component, the system indicates that a difference exists between the as-built and the as-planned at item level. It displays the planned primary component in the [Planned Material](#) column and the alternative component that was actually used in the [Consumed Material](#) column. In this case, no deviation is recorded. In addition, the new column [AIG Member](#) is available that shows when an alternative component from an alternative item group has been assembled ([Alternative](#)) instead of the primary component ([Primary](#)). You can show this new column by changing the table layout. You can also select the [Alternative Item Group](#) column which displays the name of the group for a component, if available.

Comparison Behavior if Effectivity is Different

In the previous release, if the actual effectivity information of a subassembly deviated from the planned effectivity of the end item, the system highlighted the difference but did not drill down to continue the comparison for the lower levels of the subassembly. This limitation is no longer valid. In the current release, you can now acknowledge the effectivity deviation for the subassembly. The system sets the effectivity deviation to [Resolved](#) and continues the comparison for the lower levels of the subassembly.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	MPE_AS_BUILT_COMPARE
Application Component	PP - PEO - SFA (Shop Floor Reporting)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Alternative Item Groups Enabled \[page 171\]](#)
[Comparing the As-Built with the As-Planned](#)

7.4.2.2 As-Built Report

Business Details

This app enables you to create 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. Several new features are available in this app, which are described in the [Additional Details](#).

Additional Details

The following enhanced features have been enabled for the [As-Built Report](#):

Alternative Item Groups

The report now includes information about alternative item groups. If you have exchanged a primary component for an alternative component, the as-built report lists the alternative component that was actually assembled in execution in the [Order Component](#) column. A new column [AIG Member](#) is available that shows when an alternative component ([Alternative](#)) from an alternative item group has been assembled in place of the primary component ([Primary](#)). You can show this new column by changing the table layout. You can also select the [Alternative Item Group](#) column which displays the name of the group for a component, if available.

⚠ Restriction

In the as-built correction, you can't add a component (planned or unplanned) that is a member of an alternative item group that has the quantity 0.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	MPE_AS_BUILT
Application Component	PP - PEO - SFA (Shop Floor Reporting)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition

Related Information

[Alternative Item Groups Enabled \[page 171\]](#)
[How to Use the As-Built Report](#)

7.4.2.3 Product Genealogy

Business Details

This app helps you to analyze the production process and enables single-level traceability of a serialized product. In the [Components](#) section (traceable components tables), the app now displays information about alternative item groups. You can display the new columns [AIG Member](#) and [Alternative Item Group](#) by selecting the corresponding options in the table settings (⚙️ [Settings](#)). If a component is a member of an alternative item group, the [AIG Member](#) column displays whether the component is the primary component of the group or an alternative that was exchanged during execution and in the [Alternative Item Group](#) column, the system displays the name of the group.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	F2892
Application Component	PP - PE0 - SFA (Shop Floor Reporting)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Alternative Item Groups Enabled \[page 171\]](#)

7.4.2.4 Order Genealogy

Business Details

This app enables you to analyze and track the production process at production order level. In the [Components](#) section (traceable components tables), the app now displays information about alternative item groups. You can display the new columns [AIG Member](#) and [Alternative Item Group](#) by selecting the corresponding options in the table settings ( [Settings](#)). If a component is a member of an alternative item group, the [AIG Member](#) column displays whether the component is the primary component of the group or an alternative that was exchanged during execution and in the [Alternative Item Group](#) column, the system displays the name of the group.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	F5865
Application Component	PP - PE0 - SFA (Shop Floor Reporting)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Alternative Item Groups Enabled \[page 171\]](#)

7.5 Complex Assembly Project Management

7.5.1 Unassign WBS Element

Business Details

In the event of user error, rework, project changes, and so on, it may be necessary to adjust the assignment of WBS elements in a major assembly project. With this feature, you can remove the assignment of a WBS element from a physical major assembly or an organizational major assembly.

You can access this feature by launching transaction MPE_MAPROJ_MAINT (*Maintain Major Assembly Project*) in the back-end system. You can access documentation on the available functions by choosing the ⓘ *Program Documentation* icon in the initial screen.

Implementation Details

Authorizations

Customizing

Effects on Existing Data

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	SAP GUI transaction: MPE_MAPROJ_MAINT (<i>Maintain Major Assembly Project</i>)
Application Component	PP - PEO - MA (<i>Major Assembly and Installation Kit</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Major Assembly Projects](#)

[Organizational Major Assemblies](#)

8 R&D/Engineering

8.1 Enterprise Portfolio and Project Management

8.1.1 Project System

8.1.1.1 Project Cost Overview App: Support for Service Orders and Service Contracts

Business Details

The Fiori app [Project Cost Overview](#) is enhanced to enable the analysis of planned and actual cost details of service order items and service contract items assigned to projects. You can use the new filters [Service Order](#) and [Service Contract](#) to restrict the display of service order items and service contract items.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	PS - FI0 (Fiori UI for Project Systems)
Availability	SAP S/4HANA
Valid as Of	2023 FPS03

Related Information

[Project Cost Overview](#)

8.1.1.2 Project Cost Line Items App: Support for Service Orders and Service Contracts

Business Details

The Fiori app [Project Cost Line Items](#) is enhanced to enable the analysis of planned and actual cost details of service order items and service contract items assigned to projects. You can use the new filters [Service Order](#), [Service Order Item](#), [Service Contract](#), and [Service Contract Item](#) to restrict the display of service order items and service contract items.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	PS-F10 (Fiori UI for Project Systems)
Availability	SAP S/4HANA
Valid as Of	2023 FPS03

Related Information

[Project Cost Line Items](#)

8.1.1.3 Release of Project System Objects

Released BAdIs

The following BAdIs have been released in SAP S/4HANA 2023 FPS03:

- WBS_USER_FIELDS_F4

Released CDS Views

The following CDS Views have been released in SAP S/4HANA 2023 FPS03:

- I_ProjectBasicData
- I_ProjectByExternalID
- I_ProjectByInternalKey
- I_ProjectNetworkBasicData
- I_ProjectMilestoneData
- I_WBSElementBasicData
- I_WBSElementByExternalID
- I_WBSElementByInternalKey

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	PS-ST (<i>Structures</i>)
Availability	SAP S/4HANA
Valid as Of	2023 FPS03

Related Information

[CDS Views for Project Systems](#)

8.1.1.4 Create, Read, and Cancel Project Network Activity Confirmations and Project Network Activity Element Confirmations

Business Details

The Project Network service has been extended. Now, it allows you to create, read and cancel Project Network Activity Confirmations and Project Network Activity Element Confirmations.

The service is based on the OData V4 protocol and can be consumed by apps and other user interfaces.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	API_PROJECTNETWORK
Application Component	PS-ST (<i>Structures</i>)
Availability	SAP S/4HANA
Valid as Of	2023 FPS03

Related Information

This API is available on the [API Business Accelerator Hub](#) 

[Project Network](#) at the SAP Help Portal

8.1.1.5 Schedule of Overall Project Network

Business Details

The Project Network service has been updated. Now, it allows to schedule the Overall Project Network.

The service is based on the OData V4 protocol and can be consumed by apps and other user interfaces.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	API_PROJECTNETWORK
Application Component	PS-ST (<i>Structures</i>)
Availability	SAP S/4HANA
Valid as Of	2023 FPS03

Related Information

This API is available on the [SAP API Business Accelerator Hub](#) 

[Schedule of Overall Project Network](#) at the SAP Help Portal

8.1.1.6 Read Project Partner and WBS Element Partner

Business Details

The Project service has been enhanced and allows you to read Project Partner and WBS Element Partner. The service is based on the OData V4 protocol and can be consumed by apps and other user interfaces.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	API_PROJECT_V3
Application Component	PS-ST (<i>Structures</i>)

Availability	SAP S/4HANA
Valid as Of	2023 FPS03

Related Information

This API is available on the [SAP API Business Accelerator Hub](#) 

[Operations for Read Project](#) at the SAP Help Portal

8.1.1.7 Cross Business Objects of Project API

Business Details

The Project service has been modified, allowing users to process the operations with assigned Project Network objects. This API supports the selected functionality of the Project Network business objects for the Project and WBS Element. Using this service, you can create, read, update, and delete related Project Network, Project Network Activity, Project Network Activity Element, Project Network Activity Milestone, Project Network Activity Material Component objects. Moreover it is possible to create, read, and delete Project Network Activity Relationship objects (and change network objects' statuses).

The service is based on the OData V4 protocol and can be consumed by apps and other user interfaces.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	API_PROJECT_V3
Application Component	PS-ST (<i>Structures</i>)
Availability	SAP S/4HANA
Valid as Of	2023 FPS03

Related Information

This API is available on the [SAP API Business Accelerator Hub](#) 

[Operations for Project](#) at the SAP Help Portal

8.1.2 Commercial Project Management

8.1.2.1 Archived Multi-Project Overview

Business Details

With this SAP Fiori app, you can view archived commercial projects and their related business objects, such as financial plans, risks, issues and change request, milestone checklists, and others. The app also allows you to view status and trend reports, and the team structure and project details of the archived commercial project. This app helps you audit historical projects.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
OData Service	CPD_MASTERPROJECT_ARCHIVE_SRV
FIORI App ID	F8477
FIORI App Name	Archived Multi-Project Overview
Application Component	CA - CPD - WS (Project Workspace)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Archived Multi-Project Overview](#)

8.1.2.2 Archived Financial Plan Overview

Business Details

With this SAP Fiori app, you can view the archived financial plans for commercial projects and their cost and revenue planning done under various plan versions, such as baseline version or current version. This app enables you to audit historical planning data.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
OData Service	CPD_MASTERPROJECT_ARCHIVE_SRV
FIORI App ID	F8478
FIORI App Name	Archived Financial Plan Overview
Application Component	CA-CPD-WS (<i>Project Workspace</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Archived Financial Plan Overview](#)

8.1.2.3 Archived Worklist Overview

Business Details

With this SAP Fiori app, you can view the archived risks, milestone checklists, and issues and change requests for commercial projects along with their details. This app enables you to audit historical worklist objects of commercial projects.

The app has the following three variants:

- Archived Worklist Overview – Risk Register
- Archived Worklist Overview – Milestone Checklists
- Archived Worklist Overview – Issues and Change Requests

Each variant is restricted with the following parameter application type:

App Variant	App Parameter
Risk Register	Application Type = RMA
Milestone Checklists	Application Type = MCA
Issues and Change Request	Application Type = ICM

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
OData Service	CPD_MASTERPROJECT_ARCHIVE_SRV
FIORI App ID	F8479
FIORI App Name	Archived Worklist Overview
Application Component	CA - CPD - WS (<i>Project Workspace</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Archived Worklist Overview](#)

8.1.3 SAP Portfolio and Project Management

8.1.3.1 Portfolio Management

8.1.3.1.1 Portfolio Management: Small Enhancements as Part of SAP Continuous Influence Program

Business Details

Improvements in the *Portfolio Management* component are available to you in the context of the SAP Continuous Influence Program for Portfolio and Project Management. These improvements are based on proposals submitted by customers through this program.

Application Component	Improvement Description	Software Component	Product Features are (New/Changed)	Improvement Request ID	SAP Note
PPM-PFM (<i>Portfolio Management</i>)	Setting up Business Partner Availability Without IDOC Configuration	S4CORE 108	New	299764 	3443317 
PPM-PFM (<i>Portfolio Management</i>)	Default Values Can be Set for <i>Create Project Version</i> and <i>Version Type</i>	S4CORE 108	New	307032 	3470328 
PPM-PFM (<i>Portfolio Management</i>)	RFC Desitnation Can be Specified in /RPM/ FICO_INT_PLANNING Report When the Logical System and RFC Destination are Different	S4CORE 108	New	306217 	3485148 

These improvements are valid for all countries.

For more information about SAP Continuous Influence Program, see <https://influence.sap.com> .

Technical Details

Type	New
Functional Localization	No localization

Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	PPM - PFM (<i>Portfolio Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

8.1.3.1.2 Reading Portfolio Item Object Links using an API

Business Details

This API-developed service enables you to read the object links of a Project Portfolio Item, or to retrieve Project Portfolio Item Decision point Object Link data. This service is based on the OData V4 protocol and can be consumed by apps and other user interfaces.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	API_PROJECTPORTFOLIO
Application Component	PPM - PFM (<i>Portfolio Management</i>)
Availability	SAP S/4HANA
Valid as Of	2023 FPS03

Related Information

[Read Project Portfolio Item Object Link](#)

https://api.sap.com/api/sap-s4-OP_PROJECTPORTFOLIO_0001-v1/overview 

8.1.3.1.3 Enabling Create, Update and Delete Functions for Financial and Capacity Planning using an API

Business Details

This API-developed service enables you to perform create, update and delete functionalities for the financial and capacity planning of the Project Portfolio Buckets and Items.

This service is based on the OData V4 protocol and can be consumed by apps and other user interfaces.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	API_PROJECTPORTFOLIO
Application Component	PPM - PFM (<i>Portfolio Management</i>)
Availability	SAP S/4HANA
Valid as Of	2023 FPS03

Related Information

[Write Operations for Project Portfolio](#)

https://api.sap.com/api/sap-s4-OP_PROJECTPORTFOLIO_0001-v1/overview

8.1.3.1.4 Release of Portfolio Management Objects

Released BAdIs

The following BAdIs have been released in SAP S/4HANA 2023 FPS03:

- /RPM/AUTHORIZATION
- /RPM/DECISION_POINT
- /RPM/EX_BUCKET_BADI

- /RPM/EX_FIN_B_PLAN_BADI
- /RPM/EX_FIN_PLAN
- /RPM/ITEM_API
- RPM_OBJECT_SERVICES
- RPM_PROJ_CUST_FIELDS
- /RPM/OBJECT_SERVICES

Released CDS Views

The following CDS Views have been released in SAP S/4HANA 2023 FPS03:

- I_PRJPRTFLOBJECTLINKTYPE
- I_PRJPRTFLOBJECTLINKTYPETEXT
- I_PROJPORTFOLIOITEMOBJECTLINK

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	PPM - PFM (<i>Portfolio Management</i>)
Availability	SAP S/4HANA
Valid as Of	2023 FPS03

Related Information

[CDS Views for Portfolio Management](#)

8.1.3.2 Project Management

8.1.3.2.1 Release of Project Management Objects

Released BAdIs

The following BAdIs have been released in SAP S/4HANA 2023, FPS03:

- BADI_DPR_SEARCH
- DPR_ATTRIBUTES
- DPR_COPY_FINALIZER
- DPR_DETAIL_TAB_CTRL
- DPR_EVE_ATTRIBUTES
- DPR_EVE_DASHBOARD
- DPR_FIN_GECCO_CALC
- DPR_GANTT
- DPR_ROLES
- DPR_TREE
- EVE_EXPORT_TO_EXCEL
- INM_APPL_METRIC_MGMT
- DPR_FINR3_CO_CALC

Released CDS Views

The following CDS Views have been released in SAP S/4HANA 2023 FPS03:

- I_DEVELOPMENTPROJECT
- I_DEVELOPMENTPROJECTELEMENT
- I_DEVELOPMENTPROJECTROLE
- I_DEVPROJRESPONSIBLE
- I_DEVPROJROLEENTITYLINK
- I_DEVPROJROLESTAFFING

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	PPM - PR0 (<i>Project Management</i>)
Availability	SAP S/4HANA
Valid as Of	2023 FPS03

Related Information

[CDS Views for Enterprise Portfolio and Project Management](#)

8.1.3.2.2 Reading Development Project Task Ready to Start via an API

Business Details

This API-developed service enables you to read if a task for a Development Project is ready to start. This service is based on the OData V4 protocol and can be consumed by apps and other user interfaces.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	API_DEVELOPMENTPROJECT
Application Component	PPM - PR0 (<i>Project Management</i>)
Availability	SAP S/4HANA
Valid as Of	2023 FPS03

Related Information

[Read Ready To Start Data Task](#)

<https://api.sap.com/package/S4HANAOPAPI/odata>

8.1.3.2.3 Project Management: Small Enhancements as Part of SAP Continuous Influence Program

Business Details

Improvements in the [Project Management](#) component are available to you in the context of the SAP Continuous Influence Program for Product Lifecycle Management. These improvements are based on proposals submitted by customers through this program.

Application Component	Improvement Description	Software Component	Product Features are (New/Changed)	Improvement Request ID	SAP Note
PPM-PRO (Project Management)	Task ID is Editable	S4CORE 108	New	304020	3433872
PPM-PRO (Project Management)	Task Type Configuration for Milestones and Replication	S4CORE 108	New	304965	3435161
PPM-PRO (Project Management)	Superuser Authorization	S4CORE 108	New	309082	3479616
PPM-PRO (Project Management)	Set the Search Help for Staffing of PPM Project	S4CORE 108	New	311455	3501948
CO-PC-OBJ (Cost Object Controlling)	Define Whether WBS Element Tasks and Checklist Items IDs End with TTO	S4CORE 108	New	312810	3529569

These improvements are valid for all countries.

For more information about SAP Continuous Influence Program, see <https://influence.sap.com>.

Technical Details

Type	New
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Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	PPM - PRO (<i>Project Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

8.2 Product Compliance

8.2.1 Dangerous Goods Management

8.2.1.1 Delivery of Dangerous Goods Regulations via Content Service

Business Details

With this feature, you can now have dangerous goods regulations delivered via the regulatory content service.

With the regulatory content service, customers can decouple the delivery of this regulatory content, from the delivery of SAP S/4HANA. This is needed to deliver new and updated regulations fast and on time. SAP S/4HANA connects to the regulatory content service to immediately retrieve the latest regulatory content without the need to update to a newer software version or feature pack.

Implementation Details

Configuration

For details on the configuration of the Regulatory Content Service, see the <https://me.sap.com/notes/3055767> and <https://me.sap.com/notes/3526136>.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	3FC (Assess Dangerous Goods)
Technical Object Name	Not applicable
Application Component	EHS -SUS - DG (<i>Dangerous Goods Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Regulatory Content Service](#)

8.3 Product Lifecycle Management

8.3.1 Product Change Management

8.3.1.1 Transaction CL30N in Object Column shows Issue ID of Change Record Node

Business Details

In transaction CL30N – Find Objects in Classes, the *Object* column shows the issue ID of the change record node ID. It enables you to identify the individual change record of the class you have selected.

Technical Details

Type	New
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Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	CL30N - Find Objects in Classes
Application Component	PLM-CR (Change Record)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

8.3.1.2 Create Link to Manage Change Records App from Transaction CL30N – Find Objects in Classes

Business Details

You can create a link from the transaction CL30N – **Find Objects in Classes** to the [Manage Change Records](#) app by enabling the execute button with transaction /PLMI/CR_NAV_CL30N.

Implementation Details

Customizing

In Transaction CL30N – Find Objects in Classes, after you have selected a class, go to [Environment](#), [Define function](#), under [Cat](#), enter **T** for transaction, under [Function](#), enter the transaction /PLMI/CR_NAV_CL30N, choose [Continue](#) and [Save](#).

When you now select a change record from the search result and choose [Execute](#), the system opens change record in the [Manage Change Records](#) app.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	F2097

Application Component	PLM - CR (Change Record)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

8.3.1.3 Multi-Language Descriptions for Change Records

Business Details

In the [Manage Change Records](#) app, you can maintain descriptions in multiple languages in the [Descriptions](#) section.

This ensures that a change record can be found when working in a different logon language than the one used to create the record.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: F2097
Application Component	PLM - CR (Change Record)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

8.3.1.4 Priority Selection in Change Record Header

Business Details

A new field [Priority](#) defines the priority of a change record based on the change record type when creating a new change record with the [Manage Change Records](#) app. You can customize the allowed priority values in the Customizing for [Define Priority Values](#). It determines the possible priority values that can be assigned to the different types of change records.

Implementation Details

Customizing

You can define possible priority values per change record type in the Customizing for [Define Priority Values](#) in the SAP Reference IMG (transaction SPRO) under ► [Logistics](#) ► [General](#) ► [Product Lifecycle Management](#) ► [Change Records](#) ► [Settings for Change Records](#) ►. You can then assign these priority values to a certain change record type in the Customizing for [Define Change Record Types](#) in the same IMG node. This determines the possible priority values that can be assigned to the different types of change records. Follow the system documentation to perform the necessary customization.

In [Define Change Record Types](#), under [Dynamic Field Control](#), you can also choose to set this field to be mandatory or optional.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: F2097
Application Component	PLM - CR (Change Record)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

8.3.1.5 Reason for Change Fields in Change Record Header

Business Details

A new field was introduced and another field was changed in the change record header to capture the reasons for changes.

- [Change Number Reason for Change](#): This field has been renamed, the previous field name was [Reason for Change](#). You can use this field to enter a descriptive text to indicate why a change number was created or added.
- [Change Record Reason for Change](#): This field is new. You can use this field to enter a descriptive text to indicate why a change record was created or added.

You can define the possible reasons for change in the Customizing for [Define Reason for Change Values](#).

Implementation Details

Customizing

For the *Change Record Reason for Change*, you can customize the selectable reasons for change that can be assigned to the different types of a change record. You can do this in the Customizing for *Define Reason for Change Values* in the SAP Reference IMG (navigate to [Logistics](#) > [General](#) > [Product Lifecycle Management](#) > [Change Records](#) > [Settings for Change Records](#)).

The reason for change values defined here are referenced in the Customizing activity *Define Change Record Types* in the same IMG node.

For both fields, in *Define Change Record Types*, under *Dynamic Field Control*, you can also choose to set them to be mandatory or optional.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: F2097
Application Component	PLM - CR (<i>Change Record</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

8.3.1.6 OData API: Change Record

The OData V2 API *Change Record* has been enhanced. With the API, you can create, read, and delete change records as header objects. You can also assign (write), read, and delete objects.

Technical name: `API_CHANGE_RECORD` (Version 1.1.0)

As of 2023 FPS03, this version includes the following new or changed entities:

- `ChangeRecordPriority` (Priority)
- `ChangeRecordPriorityDesc` (Change Record Priority Description)
- `ChgRecdReasonForChange` (Change Number Reason for Change)
- `ChgRecdHdrRsnForChgCode` (Change Record Reason for Change)
- `ChgRecdHdrRsnForChgDesc` (Change Record Reason for Change Description)

Please note that the field *Change Number Reason for Change* was previously called *Reason for Change*. The other fields are new.

This service is published on the SAP Business Accelerator Hub. For more information about APIs, see [APIs on SAP Business Accelerator Hub](#).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	API_CHANGE_RECORD
Preparation Required	No
Application Component	PLM - CR (<i>Change Record</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Additional Information

[Change Record](#) 

8.3.1.7 User Interface Visual Harmonization

Business Details

User interface elements and some navigation functions were harmonized for the *Manage Change Records* app.

- You can navigate to the corresponding create, update, and display transactions while the available data is correctly handed over to the target application, in case additional data is relevant – for example, change number.
- Multi-select mode enabled for various items.
- New navigation buttons for create, update, and display functionalities were added for some items, existing buttons with these functions were renamed to be uniformly named (*Create*, *Change*, *Display*).

Simplified change record maintenance through easier navigation to related business entities. This ensures smooth usage in daily business operations due to consistent navigation of change record objects, where

available data is correctly handed over to the target application. See also [Manage Change Records](#) for more details.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: F2097
Application Component	PLM - CR (Change Record)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

8.3.1.8 Determining Agents for Change Records

Business Details

Agent determination is a feature that allows automatic assignment of agents to tasks within process routes in change records. This feature is useful for efficiently assigning the appropriate individuals to specific tasks based on predefined rules or manual selection.

The [BAAdl: Automatic Agent Determination](#) was enabled to filter out determined agents and add additional agents.

This functionality reduces the manual effort due to an automatic, customer-specific solution that defines which tasks are assigned to whom.

For more information, see [Determining Agents](#).

Implementation Details

Authorizations

Authorization to create engineering records and process routes.

Customizing

Enable the **process route functionality** for a change record type in the Customizing menu: [Logistics](#)
[- General](#) > [Product Lifecycle Management \(PLM\)](#) > [Change Records](#) > [Settings for Change Records](#) > [Define](#)

[Change Record Types](#) . Activate the [Use Process Route](#) checkbox. This setting instructs the system to use process routes for the selected change record types instead of workflow scenarios.

Enable the team **determination functionality** in the Customizing menu: under ► [Logistics - General](#) ► [Product Lifecycle Management \(PLM\)](#) ► [PLM Web User Interface](#) ► [Objects in PLM Web UI](#) ► [Process Route](#) ► [Additional Settings](#) . In this Customizing activity, set the value X for the parameter PR_TD_IS_ON. This setting calls the [BAdI: Automatic Agent Determination](#) where you can define rules to prefilter the list of individual agents that appear in the [Manage Change Records](#) app when creating or editing a process step.

The [BAdI: Automatic Agent Determination](#) (under ► [Logistics - General](#) ► [Product Lifecycle Management \(PLM\)](#) ► [PLM Web User Interface](#) ► [Objects in PLM Web UI](#) ► [Process Route](#) ► [Additional Settings](#)) (BAdIs) must have an implementation with which you determine agents for tasks within process routes.

Follow the system documentation to perform the necessary customization activities.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: F2097
Application Component	PLM - CR (Change Record)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

9 Sales

9.1 Order and Contract Management

9.1.1 Price Management

9.1.1.1 Product Hierarchy for Manage Prices - Sales

Business Details

The [Manage Prices - Sales](#) app now supports product hierarchies to flexibly create prices that you offer to your customers in the form of condition records as the pricing master data. This enhancement allows for more organized and efficient pricing management by grouping materials based on various characteristics.

A product hierarchy categorizes products by combining different characteristics. Each characteristic is represented by a specific level within the hierarchy. In the standard system, the product hierarchy consists of three levels. The first and second levels have five characters each, and the third level has eight characters.

If you need more than three levels, the product hierarchy can have up to nine levels with 18 characters. You can define product hierarchy nodes at the individual levels of the product hierarchy.

You can then utilize the product hierarchy in the Manage Prices - Sales app by enhancing CDS Views with the position of the beginning character and the length of each level.

Implementation Details

To use the product hierarchy in the Manage Prices - Sales app, follow these steps:

- Modify the CDS view `I_ProductHierarchyNodeText`. Specify the position of the beginning character and the length of each level.
- Modify the CDS views `I_ProductHierarchyNode1` up to `I_ProductHierarchyNode9`, based on the number of levels you require. Specify the position of the beginning character and the length of each level. If you don't need all nine levels, use the character position 18 and the length 1 for the remaining levels. These are default dummy values already filled in, so no extra input is needed.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Technical Object Name	App ID: F4111
Application Component	SD - MD - CM (Conditions)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Product Hierarchy for Manage Prices - Sales](#)

9.1.1.2 Manage Prices - Sales: Additional Fields Added

Business Details

The [Manage Prices - Sales](#) app now allows you to create, change, and search condition records using fields like [Bill-to Party](#), [Commission Group](#), and [Shipping Point](#). This enhancement increases flexibility in managing your pricing data.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Technical Object Name	App ID: F4111
Application Component	SD - MD - CM (Conditions)

Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Manage Prices - Sales](#)

9.1.2 Sales Order Management and Processing

9.1.2.1 Configuring System Messages During Outbound Delivery Changes or Creation

Business Details

When you create or change an outbound delivery, the system verifies that the authorization is still valid. The authorization may have expired, or the delivery quantity may have exceeded the authorized quantity in the sales order. If the authorization is invalid, the system displays a warning message.

You can configure the system messages so that the system displays an error instead of a warning because you cannot post the goods issue if the authorization is no longer valid. Make the relevant settings in Customizing under ► [Logistics Execution](#) ► [Shipping](#) ► [System Modifications](#) ► [Specify Characteristics for System Messages](#) ►. For more information, see the documentation of the Customizing activity in the system.

You can use the [Resolve Payment Card Issues - Schedule Job](#) app to automatically check for documents that need to be authorized and to trigger this authorization. You can also manually make a dummy change in the sales order and save it to trigger a single authorization of the payment card. Afterwards, you can post the goods issue.

Implementation Details

Customizing

Configure the system messages so that the system displays an error instead of a warning because you cannot post the goods issue if the authorization is no longer valid. Make the relevant settings in Customizing under ► [Logistics Execution](#) ► [Shipping](#) ► [System Modifications](#) ► [Specify Characteristics for System Messages](#) ►.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1Z1 (Digital Payments - Sales)
Technical Object Name	Not applicable
Application Component	SD - BIL - IV - PC (<i>SD Billing - Payment Cards</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Payment Cards](#)

[Authorization of Payment Cards](#)

9.1.2.2 Managing Expired Payment Card Authorizations in Billing Documents

Business Details

In the current process, if an authorization expires while creating a billing document, the billing document is generated without payment card details. As a result, the billing document cannot be released to Financial Accounting (FI), requiring the user to cancel and recreate a billing document with a valid authorization, adding extra effort.

With this new feature, if an authorization expires, the system will still copy the payment card data into the billing document, allowing the payment card information to be transferred to the journal. This eliminates the need for users to repeat these steps. The payment service provider (PSP) can then directly capture the amount using the SAP digital payments add-on for settlement.

Technical Details

Type	Changed
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Functional Localization	Not applicable
Scope Item	1Z1 (Digital Payments - Sales)
Technical Object Name	Not applicable
Application Component	SD-BIL-IV-PC (<i>SD Billing - Payment Cards</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Authorization of Payment Cards](#)

9.1.2.3 OData API: Sales Order (A2X)

Business Details

The [Sales Order \(A2X\)](#) API now contains additional properties on header level and on item level.

The following additional property have been added:

Property	Description	Entity	Necessity
SlsDocSo2PLastContactPersonsName	Name of last contact for sold-to party in sales document.	A_SalesOrder (sales order header)	Read-only
SlsDocSo2PLstCntctPersonTelNbr	Telephone number of last contact for sold-to party in sales document.	A_SalesOrder (sales order header)	Read-only
OriginallyRequestedMaterial	A material originally requested by the customer. If, for some reason, you need to send a substitute material instead, you can view the product the customer originally ordered.	A_SalesOrderItem (sales order item)	Read-only

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

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Technical Object Name	API: API_SALES_ORDER_SRV
Application Component	SD-SLS-API (SD API Interface)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Sales Order Header](#)
[Sales Order Item](#)

9.1.2.4 OData API: Sales Order - Simulate (A2X)

Business Details

The [Sales Order - Simulate \(A2X\)](#) API now contains additional properties on header level and on item level.

The following additional property have been added:

Property	Description	Entity	Necessity
SlsDocSo2PLastContactPersnName	Name of last contact for sold-to party in sales document.	A_SalesOrderSimulation (sales order header simulation)	Read-only
SlsDocSo2PLstCntctPersnTelNمبر	Telephone number of last contact for sold-to party in sales document.	A_SalesOrderSimulation (sales order header simulation)	Read-only
OriginallyRequestedMaterial	A material originally requested by the customer. If, for some reason, you need to send a substitute material instead, you can view the product the customer originally ordered.	A_SalesOrderItemSimulation (sales order item simulation)	Read-only

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

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Technical Object Name	API: API_SALES_ORDER_SIMULATION_SRV
Application Component	SD-SLS-API (SD API Interface)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Sales Order Header Simulation](#)

[Sales Order Item Simulation](#)

9.1.2.5 Payment by Link in Billing Documents

Business Details

The payment by link functionality in the SAP digital payments add-on lets customers pay electronically using URLs and QR codes on billing documents. A payment service provider processes these payments. This feature simplifies the payment process and enhances customer convenience by offering multiple digital payment methods.

Implementation Details

Implement the BAdI `BADI_PAYMENT_BY_LINK_CREATION_CB` to enable payment by link in billing documents.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1Z1 (Digital Payments - Sales)
Technical Object Name	Not applicable
Application Component	SD-BIL-IV-PC (<i>SD Billing - Payment Cards</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Payment by Link in Billing Documents](#)

9.1.2.6 Authorizations for Partial Shipments and Partial Payments

Business Details

If you have a sales order with multiple items or schedule lines, your delivery may be split into partial deliveries. This usually means you need additional authorizations for any subsequent deliveries. An authorization is only valid for a single delivery if the payment service provider (PSP) using the SAP digital payments add-on doesn't support multiple captures for a single payment. However, if the PSP supports multiple captures for a single payment, you don't need additional authorizations.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1Z1 (Digital Payments - Sales)

Technical Object Name	Not applicable
Application Component	SD-BIL-IV-PC (<i>SD Billing - Payment Cards</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Authorization of Payment Cards](#)

9.1.2.7 Flexible Proposal of Validity Dates in Sales Quotations

Business Details

With this feature, you can implement the flexible proposal of valid-to dates for sales quotations by performing configuration activities.

Using the Configurable Parameters and Formulas (CPF) framework, you as a key user can implement the flexible proposal of valid-to dates in sales quotations. The implementation enables a dynamic calculation of valid-to dates based on specific calendar and offset rules that are controlled by header fields of the document to be created.

Implementation Details

Customizing

The following Customizing activities enable key users to fully customize the flexible proposal of valid-to dates in sales quotations:

- [Define Rules to Determine Factory Calendar](#)
- [Define Parameter Catalog for Valid-to Date in Sales Quotations](#)
- [Create BRFplus Application](#)
- [Assign BRFplus Application to CPF Usage](#)
- [Define Parameter Catalog for Valid-to Date in Sales Quotations](#)
- [Define Custom Routines for Valid-to Dates in Sales Quotations](#)
- [Assign Custom Routines to Sales Document Type](#)

For more information about the new Customizing activities, see the activity documentation in the system.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BDG (Sales Quotation)
Technical Object Name	Not applicable
Application Component	SD - SLS - QUT (Sales Inquiries / Sales Quotations)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Flexible Proposal of Validity Dates in Sales Quotations](#)

9.1.3 Sales Billing

9.1.3.1 Additional Parameters on the Retroactive Billing Screen

Business Details

In the [Create Credit Memos and Debit Memos - Retroactive Billing](#) app, you can specify criteria for the system to search for billing documents affected by retroactive price changes. There are two types of selection: [Classic Selection](#) and [Extended Selection](#).

- In [Classic Selection](#), you can select only one payer and one sales organization for the billing documents. It includes all parameters as it did previously.
- In [Extended Selection](#), you can select multiple payers and multiple sales organizations. You can also choose additional optional criteria, such as distribution channels and divisions. These options, available only in extended selection, help to further refine the search for billing documents.

Note

You can switch back to classic selection from extended selection if needed.

With the new [Start Immediately](#) checkbox, you can create credit and debit memos during execution. A credit or debit memo is created for all billing documents that match the selection criteria and have an outstanding

(open) amount relevant for retroactive billing. You can select ► [Menu](#) ► [Program](#) ► [Execute in Background](#) ► to create credit and debit memos as a background job.

While you process the list with the classic selection, the system locks it for the client, payer, and sales organization. The system allows other users to call up the list for display and even simulate retroactive billing. However, when they try to perform retroactive billing, the system informs them that the list is being processed. When you finish processing the list, the system releases it for other users. To perform retroactive billing, a user who is already in the list to display or simulate can exit and call up the list again, or simply choose [Refresh](#).

While you process the list with the extended selection, the system locks it for the client, payer, and sales area. If another user calls up the list, a lock icon appears beside documents already selected in the first session. A protocol message appears at the top of the list to inform users about the lock. As with the classic selection, it is possible to simulate retroactive billing for these documents but not to perform it.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1EZ (Credit Memo Processing)
Technical Object Name	App ID: VFRB
Application Component	SD - BIL (Billing)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Create Credit Memos and Debit Memos - Retroactive Billing](#)

9.1.3.2 Order-Related Billing Process: Prevent Invoice Creation When Compliance Checks Fail

Business Details

When a source document item of an order-related billing, debit memo request, or credit memo request item is blocked by SAP Global Trade Services (SAP GTS), the creation of the corresponding credit or debit memo item is suppressed, and a message is raised. Once the document is released in SAP GTS, you can process the invoices as usual.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1Z6 (External Billing)
Technical Object Name	App ID: VF01
Application Component	SD - BIL (<i>Billing</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Prevent Invoice Creation if Predecessor Sales Document is Blocked \[page 144\]](#)
[Creating Billing Documents in VF01](#)

9.1.4 Claims, Returns, and Refund Management

9.1.4.1 Extension of Detail Tree in Returns Overview for Customer Returns

Business Details

You can extend the detail tree in the [Returns Overview for Customer Returns](#) with additional items. An additional item can represent a new node or an additional document. Use the Business Add-In (BAdI) `BADI_SD_ARM_MSR_TREE` to do this. It allows you to display documents related to a customer returns process that are not considered in the standard detail tree. The additional items are displayed below the standard detail tree.

Implementation Details

Customizing

You can access the BAdI BADI_SD_ARM_MSR_TREE in Customizing under ► [Sales and Distribution](#) ► [Sales](#) ► [Advanced Returns Management](#) ► [Business Add-Ins \(BAdIs\)](#) ► [BAdI: Extension of Detail Tree in Returns Overview](#) ►.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BKP (Customer Returns)
Technical Object Name	Not applicable
Application Component	LO - ARM (Advanced Returns Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Customer Returns Overview](#)
[Business Add-Ins \(BAdIs\) for Customer Returns](#)

9.1.5 Special Business Processes in Order and Contract Management

9.1.5.1 Changing Material Number and Item Category for Sales Order Items in Advanced Intercompany Sales

Business Details

In the [Advanced Intercompany Sales](#) process, you can now change both the material number and item category for undelivered sales order items, even if a corresponding purchase order item exists.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	5D2 (Advanced Intercompany Sales)
Technical Object Name	Not applicable
Application Component	SD-SLS (Sales)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Advanced Intercompany Sales](#)

9.1.5.2 Setting Tax Destination Country for Advanced Intercompany Sales

Business Details

In the [Advanced Intercompany Sales](#) process, if the tax departure country in the sales order header of the selling company isn't filled, the tax destination country in the purchase order header is set to the country of the delivering plant.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	5D2 (Advanced Intercompany Sales)
Technical Object Name	Not applicable
Application Component	SD-SLS (Sales)

Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Advanced Intercompany Sales](#)

9.1.6 Basic Functions

9.1.6.1 First Come First Served (FCFS) in Sales Documents

Business Details

Sales orders and scheduling agreements now support the First Come First Served (FCFS) functionality. To use this feature, activate FCFS for the sales documents. You can also define FCFS tolerances for the sales documents if necessary.

FCFS for sales documents updates the FCFS priority of schedule lines based on preponement, postponement, or changes in the requested quantities. The FCFS priority defines the sequence in which requirements are considered during an Advanced Available-to-Promise (aATP) check. When you increase the original quantities of schedule lines, the system splits the schedule lines based on the additional quantities.

To ensure that sales document requirements are processed in a specific sequence during an aATP check, activate FCFS for the corresponding sales document types and, optionally, for specific plants.

When the FCFS functionality is activated, every requested schedule line gets an FCFS priority. If a requested schedule line is preponed, the system updates the FCFS priority with a new value. If a requested schedule line is postponed, the FCFS priority remains unchanged.

Implementation Details

Customizing

You can activate or deactivate the FCFS functionality for sales documents in Customizing under ► [Advanced Available-to-Promise \(aATP\)](#) ► [Configuration Activities for Specific Document Types](#) ► [Sales Documents and Deliveries](#) ► [Activate First Come First Served for Sales Documents](#) ►.

You can define FCFS tolerances for sales documents in Customizing under ► [Advanced Available-to-Promise \(aATP\)](#) ► [Configuration Activities for Specific Document Types](#) ► [Sales Documents and Deliveries](#) ► [Define First Come First Served Tolerances for Sales Documents](#) ►.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Technical Object Name	Not applicable
Application Component	CA-ATP (<i>Available-to-Promise (ATP)</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[First Come First Served \(FCFS\) in Sales Documents](#)

9.1.6.2 Influence the First Come First Served (FCFS) Logic for Advanced Available-to-Promise (aATP)

Business Details

You can disable First Come First Served (FCFS) functionality for specific scheduling agreement release types by implementing the BAdI `BADI_SD_FCFS`.

Implementation Details

Customizing

You can access the BAdI in Customizing under ► [Cross-Application Components](#) ► [Advanced Available-to-Promise \(aATP\)](#) ► [Configuration Activities for Specific Document Types](#) ► [Sales Documents and Deliveries](#) ► [Enhancements for First Come First Served for Sales Documents](#) ► [BAdI: First Come First Served for Sales Documents](#) ►.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Technical Object Name	Not applicable
Application Component	CA-ATP (<i>Available-to-Promise (ATP)</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[First Come First Served \(FCFS\) in Sales Documents](#)

9.2 Solution Business Management

9.2.1 Solution Quotation Management

9.2.1.1 Qualifications for Services in Solution Quotations

Business Details

You can now define qualifications required to perform services specified in solution quotations. Using this feature, you can ensure that the right service personnel are matched to the appropriate tasks to provide top-quality service. You can specify qualification requirements both on the header and item levels of a solution quotation. You can also mark qualifications as mandatory and specify the proficiency level required for each qualification.

Implementation Details

Customizing

Using Customizing activities for [Service](#) under  [Basic Functions](#) > [Qualifications](#) , you can define whether qualification requirements should be displayed in a solution quotation. You can also define the parameters,

based on which the system automatically identifies qualification requirements in a solution quotation. For example, you can define that the system should consider the sold-to party or the functional location to identify qualifications needed to perform the service requested.

Using the [Edit Qualifications Catalog](#) activity, you can create new or edit existing qualifications and qualification groups of your interest.

Furthermore, you can use [BAdI: Qualification Determination in Transaction](#) to implement a custom logic for the determination of qualification requirements in a solution quotation.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4Q5 (Solution Quotation)
Technical Object Name	Not applicable
Application Component	CRM - S4 - SOL - SQ (S4CRM: Solution Quotation Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Qualifications for Services in Solution Quotations](#)

9.2.1.2 Solution Quotation Enhancements

Business Details

You can now use the following features in a solution quotation:

- For future dated product substitutions, the substitution maintained for the future date is considered, and not the substitution for the current date.
- Multi level configuration for Planned/Production sales item can be used when creating a solution quotation.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4Q5 (Solution Quotation)
Technical Object Name	Not applicable
Application Component	CRM-S4-SOL-SQ (S4CRM: Solution Quotation Management)
Availability	CRM-S4-SOL-SQ (S4CRM: Solution Quotation Management)
Valid as Of	2023 FPS03

Related Information

[Using Multi-Level Advanced Variant Configuration in Solution Quotation Product Substitution, Listing, and Exclusion](#)

9.2.1.3 OData API: Solution Quotation (A2X)

Business Details

The [Solution Quotation \(A2X\)](#) OData API has been enhanced so that you can now:

- Use the expense item and service part item as part of solution bundle.
- Use the input text of any length.
- Use the Item technical resource with slot ID in the associations for the subscription items.

The following attributes have been added to `API_BUS_SOLUTION_QUOTATION_SRV`:

Property	Description	Necessity
Expense Item		
<code>BillofMaterialItemNodeNumber</code>	Indicates the BOM item node number.	Optional
<code>SrvcDocItmProdConfignDateTime</code>	Indicates the UTC time stamp in short form (yyyymmddhhmmss).	Optional
Service Part Item		
<code>BillofMaterialItemNodeNumber</code>	Indicates the BOM item node number.	Optional

Property	Description	Necessity
SrvDocItmProdConfignDateTime	Indicates the UTC time stamp in short form (yyyymmddhhmmss).	Optional
ConfigurationNumber	Configuration Internal Object Number	Optional
Subscription Related Item - Item Technical Resource with Slot		
BusinessSolutionQuotation (key)	ID of the solution quotation	Mandatory
BusSolutionQuotationItem (key)	ID of a solution quotation item	Mandatory
CATechnicalResourceIDType (key)	Type code of the technical resource	Mandatory
CATechnicalResourceIDSlot	Type code of the technical resource with slot ID	Mandatory
CATechnicalResourceID	ID of the technical resource	Optional
Item Text		
ServiceDocumentLongText	The content of the text without any length restrictions	Optional
Solution Quotation Header Text		
ServiceDocumentLongText	The content of the text without any length restrictions	Optional

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4Q5 (Solution Quotation)
Technical Object Name	API: API_BUS_SOLUTION_QUOTATION_SRV
Application Component	CRM - S4 - SOL - SQ (<i>S4CRM: Solution Quotation Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Item Technical Resource with Slot](#)

Expense Item
Service Part Item
Item Text
Solution Quotation Header Text

9.3 Country/Region Specifics

For country/region-specific changes, please see [What's New for Functional Localizations in SAP S/4HANA](#).

10 Service

10.1 Service Master Data & Agreement Management

10.1.1 Service Contract Management

10.1.1.1 Display Billing Document Request in Transaction History in Service Contract

Business Details

With this feature, you can display the details of billing document requests in the transaction history of the service contract header and item and navigate to the related billing document request. If a billing document request is deleted, the corresponding transaction history entry is removed. If the billing document request is rejected, the entry remains.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	426 (Service Contract Management)
Technical Object Name	App ID: F3763
Application Component	CRM - S4 - SRV - CTR (Service Contract and Quotation)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Manage Service Contracts](#)

10.1.1.2 Enable Percentage Based Billing Values

Business Details

In a service contract item with an ad hoc billing plan, you can now use percentage based billing to generate the billing request lines. The billing value is calculated based on the defined percentage. When the net value of the service contract item changes, the billing value is recalculated according to the defined percentage. If some lines have already been billed before the net value change, subsequent lines are recalculated based on the defined percentage. The percentage for the already billed lines is then adjusted proportionally to reflect the actual amount billed.

Implementation Details

Customizing

To define the *Billing Rule* for ad hoc billing plan, you can choose *Ad Hoc Billing* under the Customizing ► *Service* ► *Transactions* ► *Basic Settings* ► *Billing Plan* ► *Define Billing Plan Types* ►.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	426 (Service Contract Management)
Technical Object Name	App ID: F3763
Application Component	CRM - S4 - SRV - CTR (<i>Service Contract and Quotation</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Ad Hoc Billing for Service Contracts](#)

10.1.1.3 Scheduled Print Output Control for Service Contracts

Business Details

In service contracts, you can now schedule to print an output item. You can use the report [Service Documents Output Run](#) (CRMS4_SERVICE_OUTPUT_RUN) to pick the relevant output items scheduled for print and send to print queue.

Implementation Details

Customizing

To use this feature, you can maintain the dispatch time as scheduled for the output type, SERVICE_CONTRACT under Customizing ► [Cross Application Components](#) ► [Output Control](#) ► [Define Business Rules for Output Parameter Determination](#) .

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	426 (Service Contract Management)
Technical Object Name	Not applicable
Application Component	CRM - S4 - SRV - CTR (Service Contract and Quotation)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Output Management for Service Orders, Service Quotations, and Service Contracts](#)

10.1.1.4 Service Contract Renewal with New Contract

Business Details

With this feature, you can use the new change process [Contract Renewal – New Contract](#) (CRNC) in the [Manage Service Contracts](#) app. You use this change process on the header level of service contracts. It enables the system to create a new service contract with an extended validity period when you want to extend an existing service contract.

The newly created service contract contains all the items from the original service contract, but with an extended validity period. Previously, you could use only a change process that created new items in the original service contract.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	426 (Service Contract Management)
Technical Object Name	App ID: F3763
Application Component	CRM - S4 - SRV - CTR (Service Contract and Quotation)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Contract Renewal - New Contract Change Processes](#)

10.1.1.5 Integration of SAP Global Trade Services with Service Contracts

Business Details

Service Contract now integrates with SAP Global Trade Services (SAP GTS) to help you comply with international trade regulations, including embargoes, sanctioned party lists, and product licensing requirements.

The integration solution performs compliance checks for service contracts, including embargo checks, sanctioned party list screening, and legal control checks. Based on the compliance check results, the SAP GTS system assigns statuses for the service contracts and its items. Using these statuses, you can search and filter service contracts to identify those with trade compliance issues.

Implementation Details

Customizing

To activate the transfer of service contracts to SAP GTS, you can use the Customizing [▶ Integration with Other SAP Components ▶ Integration with Governance, Risk and Compliance ▶ SAP Global Trade Services ▶ Control Data for Transfer to SAP Global Trade Services ▶ Technical Activation of Document Transfer ▶ Activate Transfer of Service Transactions \(SRVA\) ▶](#).

To configure the document types and company codes relevant for the transfer to SAP GTS, you can use the Customizing [▶ Integration with Other SAP Components ▶ Integration with Governance, Risk and Compliance ▶ SAP Global Trade Services ▶ Control Data for Transfer to SAP Global Trade Services ▶ Configure Control Settings for Document Transfer ▶](#).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	426 (Service Contract Management)
Technical Object Name	F3763
Application Component	CRM - S4 - SRV - CTR (Service Contract and Quotation)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Integration with SAP Global Trade Services](#)
[Trade Compliance Check Blocked/Pending](#)

10.1.1.6 OData API: Service Contract (A2X)

Business Details

The entity [A_ServiceContract_2](#) has been enhanced so that you can now check the status of embargo checks, sanctioned party list screenings, and legal control checks for all items in SAP Global Trade Services.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	426 (Service Contract Management)
Technical Object Name	API: API_SERVICECONTRACT
Application Component	CRM-S4-SRV-CTR (Service Contract and Quotation)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Service Contract](#)

10.1.2 Service and Maintenance Plan

10.1.2.1 BAdI: Reuse Service Transaction in Recurring Srvc with Advanced Execution

Business Details

This Business Add-In (BAdI) [Reuse Service Transaction in Recurring Srvc with Advanced Execution](#) enables you to reuse a service transaction. This BAdI allows you to add execution order items to an existing service transaction.

This BAdI contains one method: GET_SERVICE_TRANSACTION_REUSE. You can use this method to determine the service transaction to which service items will be added.

Implementation Details

Customizing

You can find the BAdI in Customizing under [Service](#) [Transactions](#) [Settings for Recurring Service](#) [Business Add-Ins](#) [BAdI: Reuse Service Transaction in Recurring Srvc with Advanced Execution](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Business Add-In: CRMS4_MPLAN_CALL_TYPE_6
Application Component	CRM - S4 - SRV - MNP (Planned Recurring Service)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[BAdI: Reuse Service Transaction in Recurring Service with Advanced Execution](#)

10.1.3 Warranty Management

10.1.3.1 Enhancements in Warranty Management

Business Details

Warranty management has been enhanced with new features to allow you more control and flexibility in its use.

The features include:

- An [Under Warranty](#) checkbox to indicate warranty determination on item level of a service transaction
- Display of warranty counter information in the [Warranty](#) assignment block
- A [Transaction Under Warranty](#) field on service transaction header to aggregate individual item warranty statuses
- Considering expired warranty when creating or changing service transactions
- Copying accounting indicator from master warranty
- Warranty period

Implementation Details

Customizing

To manually override the [Under Warranty](#) checkbox in case of expired warranty, you need to select [Consider Expired warranty](#) under [Profile for Warranty Checks](#) in the Customizing activity [Define Profile for Warranty Check](#). You access the activity in Customizing for [Service](#) under ► [Transactions](#) ► [Settings for Service Transactions](#) ►.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	CRM - S4 - SRV - SVO (Service Order)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Warranty Determination](#)

10.2 Service Operations & Processes

10.2.1 Service Order Management

10.2.1.1 Qualifications in Service Transactions

Business Details

You can now define qualifications required to perform services specified in service transactions, such as service orders, service quotations, and service order templates. Using this feature, you can ensure that the right service personnel are matched to the appropriate tasks to provide top-quality service.

You can specify qualification requirements both on the header and item levels of a service transaction. You can also mark qualifications as mandatory and specify the proficiency level required for each qualification.

Implementation Details

Customizing

Using Customizing activities for [Service](#) under [Basic Functions](#) > [Qualifications](#) , you can define whether qualification requirements should be displayed in a service transaction and whether they should be inherited, for example, from header to item or within an item hierarchy. You can also define the parameters, based on which the system automatically identifies qualification requirements in a service transaction. For example, you can define that the system should consider the sold-to party or the functional location to identify qualifications needed to perform the service requested.

Using the [Edit Qualifications Catalog](#) activity, you can create new or edit existing qualifications and qualification groups of your interest.

Furthermore, you can use [BAdI: Qualification Determination in Transaction](#) to implement a custom logic for the determination of qualification requirements in service transactions.

Technical Details

Type	New
------	-----

Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: TBT116MSR App ID: TBT116TMSR App ID: TBT116QMSR
Application Component	CRM - S4 - SRV - SV0 (<i>S4CRM: Service Order</i>) CRM - S4 - SRV - SVQ (<i>S4CRM: Service Order Quotation</i>) CRM - S4 - SRV - SVT (<i>S4CRM: Service Order Template</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Qualifications in Service Transactions](#)

10.2.1.2 Billing Plan Templates in Service Quotations

Business Details

In service quotations, you can now assign billing plan templates to predetermine the billing conditions for individual items. This enables you, for example, to include the billing conditions defined in the billing plan template in the output document for the service quotation.

If you have assigned a billing plan template to a service quotation with an item category that enables ad hoc billing, and you create a follow-up service order to the service quotation, the system automatically generates the billing request lines in the corresponding service order item based on the assigned billing plan template.

Implementation Details

Customizing

- You create billing plan templates in the *Create Billing Plan Templates* Customizing activity in Customizing for *Service* under *Transactions* *Basic Settings* *Billing Plan* .
- Billing request lines can only be created for service order item categories for which ad hoc billing is enabled in Customizing for *Service*. You must also define service quotation item categories that correspond to

these service order item categories. This enables the system to automatically create billing request lines in service order items based on the billing plan templates for the service quotation items.

- If you want to include texts in the output document that have been defined in the billing plan template, add the required fields to your output document.

In the long text of the billing plan template, you can provide a text summarizing the billing conditions that have been defined in the billing plan template.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	41Z  (Service Quotation and Order Management)
Technical Object Name	App ID: TBT116QMSR (Manage Service Quotations)
Application Component	CRM - S4 - SRV - SVQ (S4CRM: Service Order Quotation)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Billing Plan Templates in Service Quotations](#)
[Ad Hoc Billing for Service Orders](#)

10.2.1.3 Assign Sales Area to Service Transaction Types

Business Details

You can now assign a sales area to a service transaction type using the Customizing activity [Assign Sales Area to Service Transaction Types](#). Depending on the assignments you make in this Customizing activity, when the sold-to party is entered in a service transaction the sales area is determined. If you manually enter a sales area that has not been mapped to service transaction, an error is raised if a sales area that has not been mapped to the service transaction is entered.

If the sales area to service transaction assignment is not maintained in [Assign Sales Area to Service Transaction Types](#), the system will fallback to the assignment made in the Customizing activity [Assign Sales Area to Sales Document Types](#). The assignment made in [Assign Sales Area to Service Transaction Types](#) is given a higher priority over the assignment made in [Assign Sales Area to Sales Document Types](#). If a sales area has not been

assigned to a service transaction or to a sales document in Customizing, then all sales areas are valid for the service transaction.

Implementation Details

To use this feature the enterprise organization model needs to be enabled. You can do this using the following path: ► [Service](#) ► [Basic Functions](#) ► [Enterprise Organizational Management](#) ► [Enable Enterprise Organizational Model](#) ►

Customizing

You can use the following path to make the assignment between sales area and service transaction ► [Service](#) ► [Basic Functions](#) ► [Enterprise Organizational Management](#) ► [Assign Sales Area to Service Transaction Types](#) ►. It is recommended not to maintain any sales area in the sales Customizing if the transaction type is only service relevant.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	CRM - S4 - MD - ORG (Organizational Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

10.2.1.4 Inheriting Division in Service Transactions

Business Details

You can now ensure that the division is always copied from the service transaction header to the item even if the division for the item maintained in the product master is different. Previously if a division was assigned to an item in the product master, it was copied from there.

Implementation Details

Customizing

To allow the division to be copied from the header to the item, you need to select the [Inherit Header Division](#) checkbox in the Customizing activity [Define Transaction Types](#). You can use the following path: ► [SAP Customizing Implementation Guide](#) ► [Service](#) ► [Transactions](#) ► [Basic Settings](#) ► [Define Transaction Types](#) ►

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	CRM - S4 - MD - ORG (Organizational Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

10.2.1.5 Enhancement in Enterprise Service Organization Customizing

Business Details

The service level agreement profiles - response profile and service profile - and the planning plant can now be automatically determined from the enterprise service organization. To allow this determination, the Customizing activity [Define Enterprise Service Organization](#) has been enhanced to allow the assignment of response profile, service profile, and planning plant to an enterprise service organization.

Implementation Details

Customizing

This assignment can be made in the Customizing activity using the following path: ► [Enterprise Structure](#) ► [Definition](#) ► [Service](#) ► [Define Enterprise Service Organization](#) ►.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	CRM - S4 - MD - ORG (Organizational Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

10.2.1.6 Reprocess in Service Orders

Business Details

During the processing of a service order, errors in the data exchange manager can prevent the creation or update of a follow-up transaction. You can use the [Reprocess](#) button to trigger the current process step again after the errors are fixed in the data exchange manager.

The reprocess button is only visible when there is an error in the data exchange manager. The button will be visible when you select the ellipsis in the top right hand corner of the user interface.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: TBT116MSR
Application Component	CRM - S4 - SRV - SV0 (Service Order)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

10.2.1.7 Credit Check in Resource-Related Billing

Business Details

Credit check is now supported for execution order items with billing relevance [Summarized Billing](#) and [Itemized Billing](#). Debit Memo Requests (DMR) created for execution order items are assigned the credit exposure category 410 and are ready for billing. If the DMR line item is deleted or rejected during the billing process, the credit exposure category is set back to 110.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	CRM - S4 - SRV - SVO (Service Order)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

10.2.1.8 Service Hierarchy with Collective Accounting

Business Details

You can now use **Service Hierarchy with Collective Accounting** to customize the inheritance of the account assignment object of a main item in a hierarchy to collect all the costs and revenue into one account assignment object for financial reporting and analytics purposes.

In a service hierarchy with collective accounting, you specify an item as the main item in the hierarchy where only this main item, but not its subitems, creates an account assignment object. The subitems inherit the account assignment object from the main item so that all the costs and revenue triggered by the subitems are only posted to the account assignment object of the main item. The subitems also inherit the attributes related to the account assignment object such as the profit center and the service contract assignment from the main item. You can use the following item categories for service hierarchy with collective accounting:

- [Service Item with Collective Accounting](#) (SHSV)
- [Service Item with Collective Accounting \(Fixed Price\)](#) (SHSF)

The following features are supported for service hierarchy with collective accounting:

- Use of unplanned items, price items, and sales items
- Planned cost and revenue and event-based revenue recognition
- Service quotations
- Service with advanced execution

Implementation Details

Customizing

- Activate item-based accounting in the Customizing activity [Enable Item-Based Accounting for Service](#) in Customizing for [Service](#) under [Transactions](#) [Settings for Service Transactions](#) [Integration](#).
- Select the value [Inherit to Subitems](#) for the item category for service hierarchy with collective accounting (SHSV or SHSF) in Customizing under [Service](#) [Transactions](#) [Basic Settings](#) [Define Item Categories](#).

Note

You can select this value from the dropdown list in the field [Inheritance of Account Assignment Object](#) under [Item-Based Accounting](#) in the Customizing activity [Define Item Categories](#).

- Assign the item category for service hierarchy with collective accounting (SHSV or SHSF) to an item to designate the item as the main item in the hierarchy.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	41Z (Service Quotation and Order Management)
Technical Object Name	App ID: TBT116MSR (Manage Service Orders) App ID: TBT116QMSR (Manage Service Quotations)
Application Component	CRM - S4 - SRV - SV0 (S4CRM: Service Order) CRM - S4 - SRV - SVQ (S4CRM: Service Order Quotation)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Service Hierarchy with Collective Accounting](#)

10.2.1.9 SOAP APIs for Service Order

Business Details

The SOAP APIs for service order have been enhanced to support the following features:

- The integration of Service with SAP digital payments add-on
- Use of WBS elements as account assignment objects or attributes of an internal order even when item-based accounting is not active
- Suppression of service contract assignment
- Net value, gross value, and tax amount

Additional Details

- The following table provides you with an overview of the added nodes and fields for the integration with SAP digital payments add-on:

Node or Field	Description	Service
PaymentPlanItem	This node has been added to these services on header level.	• Service Order - Create, Change (Asynchronous) (ServiceOrderRequest_In) • Service Order (Bulk) - Create, Change (Asynchronous) (ServiceOrderBulkRequest_In) • Service Order - Confirm Processing (Asynchronous) (ServiceOrderConfirmation_Out) • Service Order (Bulk) - Confirm Processing (Asynchronous) (ServiceOrderBulkConfirmation_Out) • Service Order - Notification Processing (Asynchronous) (ServiceOrderNotification_Out)

Node or Field	Description	Service
EPaytByDigitalPaymentSrv	This field has been added to these services on header level under the node <code>PaymentPlanItem</code>. This field represent the payment card token provided by the SAP digital payments add-on. The token is used to determine the remaining information related to payment card payments.	• Service Order - Create, Change (Asynchronous) (ServiceOrderRequest_In) • Service Order (Bulk) - Create, Change (Asynchronous) (ServiceOrderBulkRequest_In) • Service Order - Confirm Processing (Asynchronous) (ServiceOrderConfirmation_Out) • Service Order (Bulk) - Confirm Processing (Asynchronous) (ServiceOrderBulkConfirmation_Out) • Service Order - Notification Processing (Asynchronous) (ServiceOrderNotification_Out)
• PaymentCardType • PaymentCardMaskedNumber • PaymentCardHolderName • PaymentCardValidityEndDate	These fields have been added to these services on header level. You can view the details of payment cards in these fields: • Type of payment card. • A masked version of the account number embossed on the payment card. Along with the card type, this number uniquely identifies the card. • The name of the person or company embossed on the payment card. • Date up to which the payment card is valid (YYYY-MM-DD).	• Service Order - Confirm Processing (Asynchronous) (ServiceOrderConfirmation_Out) • Service Order (Bulk) - Confirm Processing (Asynchronous) (ServiceOrderBulkConfirmation_Out) • Service Order - Notification Processing (Asynchronous) (ServiceOrderNotification_Out)

Node or Field	Description	Service
- AuthorizedAmountInAuthznCrcy with attribute currencyCode - AuthorizationByDigitalPaymentSrv - PaymentCardAuthznRelationID	These fields have been added to these services on header level. You can view the details of the authorized item amount in these fields: - The amount actually authorized by the clearing house. The mandatory attribute currencyCode specifies the currency used. - Number assigned to a successful authorization by the clearing house. - ID to represent a specific relationship between payment authorizations.	- Service Order - Confirm Processing (Asynchronous) (ServiceOrderConfirmation_Out) - Service Order (Bulk) - Confirm Processing (Asynchronous) (ServiceOrderBulkConfirmation_Out) - Service Order - Notification Processing (Asynchronous) (ServiceOrderNotification_Out)

- You can now use the field `WBSElementExternalID` as an account assignment object or as an attribute of an internal order **not only** when item-based accounting is active. This field is already available since the previous release in the following services:
 - Service Order - Create, Change (Asynchronous) (ServiceOrderRequest_In)
 - Service Order (Bulk) - Create, Change (Asynchronous) (ServiceOrderBulkRequest_In)
 - Service Order - Confirm Processing (Asynchronous) (ServiceOrderConfirmation_Out)
 - Service Order (Bulk) - Confirm Processing (Asynchronous) (ServiceOrderBulkConfirmation_Out)
 - Service Order - Notification Processing (Asynchronous) (ServiceOrderNotification_Out)
- You can use the field `SrvcContrDetnIsSpprsd` to indicate that no service contract should be assigned to a service order item. This field is available in the following services:
 - Service Order - Create, Change (Asynchronous) (ServiceOrderRequest_In)
 - Service Order (Bulk) - Create, Change (Asynchronous) (ServiceOrderBulkRequest_In)
 - Service Order - Confirm Processing (Asynchronous) (ServiceOrderConfirmation_Out)
 - Service Order (Bulk) - Confirm Processing (Asynchronous) (ServiceOrderBulkConfirmation_Out)
 - Service Order - Notification Processing (Asynchronous) (ServiceOrderNotification_Out)
- The following table provides you with an overview of the added fields for net value, gross value, and tax amount of a service order or a service order item:

Field	Description	Service
-------	-------------	---------

ServiceDocNetAmount	This field has been added to these services on header level. This field displays the net value of a service order.	• Service Order - Confirm Processing (Asynchronous) (ServiceOrderConfirmation_Out) • Service Order (Bulk) - Confirm Processing (Asynchronous) (ServiceOrderBulkConfirmation_Out) • Service Order - Notification Processing (Asynchronous) (ServiceOrderNotification_Out)
ServiceDocGrossAmount	This field has been added to these services on header level . This field displays the gross value of a service order.	
ServiceDocTaxAmount	This field has been added to these services on header level. This field displays the tax amount of a service order.	
ServiceDocItemGrossAmount	This field has been added to these services on item level. This field displays the net value of a service order item.	
ServiceDocumentItemNetAmount	This field has been added to these services on item level . This field displays the gross value of a service order item.	
ServiceDocumentItemTaxAmount	This field has been added to these services on item level. This field displays the tax amount of a service order item.	

Technical Details

Type	New
Functional Localization	No localization
Scope Item	41Z  (Service Quotation and Order Management)
Technical Object Name	See the table above
Application Component	CRM - S4 - SRV - SV0 (<i>S4CRM: Service Order</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition

Related Information

[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 \(Asynchronous\)](#)

10.2.1.10 SOAP APIs for Service Confirmation

Business Details

The SOAP APIs for service confirmation have been enhanced to support the following features:

- The integration of Service with SAP digital payments add-on
- Use of WBS elements as account assignment objects or attributes of an internal order even when item-based accounting is not active
- The following table provides you with an overview of the added nodes and fields for the integration with SAP digital payments add-on:

Node or Field	Description	Service
PaymentPlanItem	This node has been added to these services on header level.	• Service Confirmation - Create, Change (Asynchronous) (ServiceConfirmationRequest_In) • Service Confirmation (Bulk) - Create, Change (Asynchronous) (ServiceConfirmationBulkRequest_In) • Service Confirmation - Confirm Processing (Asynchronous) (ServiceConfirmationConfirmation_Out) • Service Confirmation (Bulk) - Confirm Processing (Asynchronous) (ServiceConfirmationBulkConfirmation_Out) • Service Confirmation - Notification Processing (Asynchronous) (ServiceConfirmationNotification_Out)

Node or Field	Description	Service
EPaytByDigitalPaymentSrv	This field has been added to these services on header level under the node <code>PaymentPlanItem</code>. This field represent the payment card token provided by the SAP digital payments add-on. The token is used to determine the remaining information related to payment card payments.	• Service Confirmation - Create, Change (Asynchronous) (<code>ServiceConfirmationRequest_In</code>) • Service Confirmation (Bulk) - Create, Change (Asynchronous) (<code>ServiceConfirmationBulkRequest_In</code>) • Service Confirmation - Confirm Processing (Asynchronous) (<code>ServiceConfirmationConfirmation_Out</code>) • Service Confirmation (Bulk) - Confirm Processing (Asynchronous) (<code>ServiceConfirmationBulkConfirmation_Out</code>) • Service Confirmation - Notification Processing (Asynchronous) (<code>ServiceConfirmationNotification_Out</code>)
• <code>PaymentCardType</code> • <code>PaymentCardMaskedNumber</code> • <code>PaymentCardHolderName</code> • <code>PaymentCardValidityEndDate</code>	These fields have been added to these services on header level. You can view the details of payment cards in these fields: • Type of payment card. • A masked version of the account number embossed on the payment card. Along with the card type, this number uniquely identifies the card. • The name of the person or company embossed on the payment card. • Date up to which the payment card is valid (YYYY-MM-DD).	• Service Confirmation - Confirm Processing (Asynchronous) (<code>ServiceConfirmationConfirmation_Out</code>) • Service Confirmation (Bulk) - Confirm Processing (Asynchronous) (<code>ServiceConfirmationBulkConfirmation_Out</code>) • Service Confirmation - Notification Processing (Asynchronous) (<code>ServiceConfirmationNotification_Out</code>)

Node or Field	Description	Service
- AuthorizedAmountInAuthznCrcy with attribute currencyCode - AuthorizationByDigitalPaymentSrv - PaymentCardAuthznRelationID	These fields have been added to these services on header level. You can view the details of the authorized item amount in these fields: - The amount actually authorized by the clearing house. The mandatory attribute currencyCode specifies the currency used. - Number assigned to a successful authorization by the clearing house. - ID to represent a specific relationship between payment authorizations.	- Service Confirmation - Confirm Processing (Asynchronous) (ServiceConfirmationConfirmation_Out) - Service Confirmation (Bulk) - Confirm Processing (Asynchronous) (ServiceConfirmationBulkConfirmation_Out) - Service Confirmation - Notification Processing (Asynchronous) (ServiceConfirmationNotification_Out)

- You can now use the field **WBSElementExternalID** as an account assignment object or as an attribute of an internal order **not only** when item-based accounting is active. This field is already available since the previous release in the following services:
 - Service Confirmation - Create, Change (Asynchronous) (ServiceConfirmationRequest_In)
 - Service Confirmation (Bulk) - Create, Change (Asynchronous) (ServiceConfirmationBulkRequest_In)
 - Service Confirmation - Confirm Processing (Asynchronous) (ServiceConfirmationConfirmation_Out)
 - Service Confirmation (Bulk) - Confirm Processing (Asynchronous) (ServiceConfirmationBulkConfirmation_Out)
 - Service Confirmation - Notification Processing (Asynchronous) (ServiceConfirmationNotification_Out)

Technical Details

Type	New
Functional Localization	No localization
Scope Item	41Z  (Service Quotation and Order Management)
Technical Object Name	See the table above
Application Component	CRM - S4 - SRV - SCO (S4CRM: Service Confirmation)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition

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 \(Asynchronous\)](#)

10.2.1.11 ODATA API: Service Order (A2X)

Business Details

The ODATA API API_SERVICE_ORDER_SRV has been enhanced with the properties to support the following features:

- Business completion and reopening of a service order
- Basic information of a service order such as its posting date, the user who created or changed the transaction, and its creation and modification timestamp.

The following table provides you with an overview of the new properties:

Property	Description	In Entity
SrvcOrdIsBusinessCompleted	You can use this property to indicate if a service order has been set to the status <i>Business Completed</i> .	A_ServiceOrder
SrvcOrdIsBusinessReopened	You can use this property to indicate if a service order has been set to the status <i>Business Reopened</i> .	
PostingDate	This property allows you to display and change the posting date of a service order.	
ServiceDocumentCreationDate	The timestamp of when the service order was created.	
ServiceDocumentCreatedByUser	The ID of the user who created the service order.	

Property	Description	In Entity
ServiceDocumentChangedDate	The timestamp of when the service order was changed the last time.	
ServiceDocumentChangedByUser	The ID of the user who changed the service order the last time.	

Technical Details

Type	New
Functional Localization	No localization
Scope Item	41Z  (Service Quotation and Order Management)
Technical Object Name	See the table above
Application Component	CRM - S4 - SRV - SVO (<i>S4CRM: Service Order</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Service Order \(A2X\)](#)
[Service Order](#)

10.2.1.12 OData API: Service Quotation (A2X)

Business Details

The entity `A_ServiceQuotationItem` has been enhanced with the property `SrvcQtanItmIsToBeSentToPlng`. This allows the creation of a billable maintenance order to enable the detailed planning of a service in Service with Advanced Execution.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	41Z  (Service Quotation and Order Management)
Technical Object Name	API: API_SERVICE_QUOTATION_SRV_0002
Application Component	CRM - S4 - SRV - SVQ (<i>S4CRM: Service Order Quotation</i>)
Availability	CRM-S4-SRV-SVQ (S4CRM: Service Order Quotation)
Valid as Of	2023 FPS03

Related Information

[Service Quotation \(A2X\)](#)

10.2.1.13 Search for Predecessor Service Order IDs of Service Confirmations

Business Details

With the new search criterion *Predecessor Service Order ID* on the *Manage Service Confirmations* app, you can enter a service order ID and easily search for all the service confirmations that have been created as follow-up transactions of the specified service order. The new column *Predecessor Order ID* can be added to the search result with *Personalization*, which gives you a comprehensive overview of all the follow-up service confirmations of a specific service order.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	41Z  (Service Quotation and Order Management)
Technical Object Name	App ID: TBT117MSR

Application Component	CRM - S4 - SRV (S4CRM: Service Management) CRM - S4 - SRV - SCO (S4CRM: Service Confirmation)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Service Confirmations](#)

10.2.1.14 Enhancements to Billing Functions in Service

Business Details

The following billing functions in Service have been enhanced:

- New search criterion [Related to Service Order ID](#) in [Release for Billing](#) app
- Additional information on product substitution
- Display of billing document requests (BDRs) from an ad hoc billing plan in [Transaction History](#)
- Partial billing for service confirmation items

Additional details of the enhancements:

- Search criterion [Related to Service Order ID](#) in [Release for Billing](#) app
The search criterion [Related to Service Order ID](#) is now available in the [Release for Billing](#) app. If you enter specific service order IDs in the search field, you can search for all the billable service order items from these service orders and all the billable service confirmations items that are created as the follow-ups of these service orders. You can add the column [Predecessor ID](#) to the search result to display the preceding service order ID of each service confirmation item.
- Product substitution
If you replace a product that has originally been entered for a service order item or a service confirmation item with a substituted product, not only the substituted product but also the product entered originally is now copied to the BDRs and invoices when you release the item for billing. In the item details of the relevant BDRs and invoices, you can view the substituted product in the field [Material](#) and view the product entered originally in the field [Material Entered](#).
- Billing document requests (BDRs) from an ad hoc billing plan in [Transaction History](#)
When you create an ad hoc billing plan for an service order item, BDRs are created for the billing request lines in the ad hoc billing plan. Now, these BDRs are also displayed on the [Transaction History](#) tab of the service order on both header and item level.
- Partial billing for service confirmation items
Billable service confirmation items can now be released for billing even if their predecessor service order items are still at the status [Released](#). Previously, you could only release the billable service confirmation items for billing only if their predecessor service order items had the status [Completed](#). With this

enhancement, the completed service confirmations can be billed and you can create new follow-up service confirmations even when their predecessor service order items have not been completed yet. For this purpose, new service confirmation item categories are supported: SPCE for expense items and SPCS for service items. The billing relevance of these item categories is *Partial Billing*. An additional checkbox *Even If Predecessor Order Items Are Only Released* can be selected when customizing these new item categories. With this, completed service confirmations can be released for billing even if the predecessor service order items have not been completed yet.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	41Z👉 (Service Quotation and Order Management)
Technical Object Name	App ID: TBT116MSR App ID: TBTBILLRE App ID: TBT117MSR
Application Component	CRM - S4 - SRV - BIL (Billing in Service Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Billing](#)

10.2.1.15 Transition to Item-Based Accounting for Production System

Business Details

Previously, you could only use **item-based accounting** to integrate Service with Financial Accounting (FI) and Controlling (CO) in a completely new system. Now you can also activate and use **item-based accounting** in a production system where there are existing service transactions that use **integration with account assignment manager**, another concept of Finance integration with Service. This enhancement allows you to have a smooth transition from **integration with account assignment manager** to **item-based accounting** with less inconsistency.

The following scenarios are supported for this transition:

- Assign an existing service contract that uses **integration with account assignment manager** to a newly-created service order item that uses **item-based accounting**.
- Assign an existing service order item that uses **integration with account assignment manager** to a newly-created service contract that uses **item-based accounting**.
- Ensure that the existing service orders that use **integration with account assignment manager** continue with this concept and their follow-up transactions use the same concept as well.
- Ensure that the existing service orders that use **item-based accounting** continue to use **item-based accounting** and their follow-up transactions use the same concept as well.
- Automatic assignment of a settlement rule to settle service order items using **item-based accounting** to a service contract using **integration with account assignment manager**. With this, all costs and revenue from the service order are assigned to the service contract and the costs and revenue are available for further processing.

Implementation Details

Customizing

To enable the automatic generation of settlement rules to settle costs and revenue, you can use the Customizing activities under ► [Service](#) ► [Transactions](#) ► [Settings for Service Transactions](#) ► [Integration](#) ► [Settlement](#) ►.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	41Z  (Service Quotation and Order Management) 426 (Service Contract Management)
Technical Object Name	App ID: TBT116MSR
Application Component	CRM - S4 - SRV (S4CRM: Service Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Transition to Item-Based Accounting for Production System](#)

10.2.1.16 Automatic Completion of Service Order Item for Unplanned Item

Business Details

When you add an unplanned item to a service confirmation to record the additional service, a corresponding item linked to this unplanned item is created in the preceding service order as well. With this feature, if the unplanned item in the service confirmation has been set to the status *Completed*, the corresponding service order item is automatically set to *Completed* as well. This saves you the trouble of setting the status of the service order item manually and simplifies the service processing, especially if you are also using SAP Field Service Management.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	41Z  (Service Quotation and Order Management)
Technical Object Name	App ID: TBT116MSR App ID: TBT117MSR
Application Component	CRM - S4 - SRV (S4CRM: Service Management) CRM - S4 - SRV - SC0 (S4CRM: Service Confirmation)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Unplanned Items](#)

10.2.1.17 Billing on Completion for Execution Order Item from Service Contract in Financial Hierarchy

Business Details

Besides the billing relevance *Not Relevant for Billing*, you can now set the billing relevance *Billing on Completion* for an execution order item that has been assigned to a service contract that is a root item in a financial hierarchy. This means that the execution order item is billable and the revenue from this execution order item can be recognized on the service contract level as well.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	41Z  (Service Quotation and Order Management)
Technical Object Name	App ID: TBT116MSR
Application Component	CRM - S4 - SRV (S4CRM: Service Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Service with Advanced Execution](#)

[Service Contract as a Root Item in a Financial Hierarchy](#)

[Support of Billable Fixed Price Execution Order Items Assigned to Service Contract Item in Financial Hierarchy with Cost-Based POC Method \[page 50\]](#)

10.2.1.18 Account Assignment to Service for Sales Items in Service Orders

Business Details

If you use a sales item in a service order, you can now set the account assignment to *Service* for the sales item. This way, an account assignment object is created for the sales item in the service order itself but not

in the follow-up sales order whose creation is triggered by the sales item. From the perspectives of Financial Accounting (FI) and Controlling (CO), this means that planned cost and revenue calculation, event-based revenue recognition, financial reporting and analysis can be conducted on the Service side.

You can only set the account assignment to Service when item-based accounting is active. The account assignment object of the sales item is used as a reference to post costs and revenue from the sales order and its follow-up documents in Service.

Implementation Details

Customizing

You can select [Service](#) in the field *Assign CO* for the item category for sales items **SRVS** in Customizing under [► Service ► Transactions ► Basic Settings ► Define Item Categories ►](#).

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	41Z  (Service Quotation and Order Management)
Technical Object Name	App ID: TBT116MSR
Application Component	CRM - S4 - SRV (S4CRM: Service Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Items in Service Orders](#)

10.2.1.19 Integration with SAP Field Service Management

10.2.1.19.1 Replication of Business Objects to Multiple Companies in SAP Field Service Management

You can now enable the replication of business objects from SAP S/4HANA and SAP S/4HANA Cloud Private Edition to multiple companies in SAP Field Service Management. This feature allows the segregation of master

and transactional data for specific companies in SAP Field Service Management based on the business needs. The replication is controlled based on the rule type that is mapped to the business objects in SAP S/4HANA and SAP S/4HANA Cloud Private Edition.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM - S4 - INT - FSM (<i>Field Service Management Integration</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS3

Additional Information

To activate this feature, perform the following steps:

- Configure the rule type mapping for the business object related to the account and company in SAP Field Service Management in Customizing for *Service* under **Integration with Other SAP Solutions** > *SAP Field Service Management* > *Configure Multiple Company Replication*.
- In SAP Cloud Integration, deploy the *Synchronize Multiple Company Mapping configuration* integration flow, and then set the value for the `EnableMultiCompanyReplication` externalized parameter to **true** for each integration flow.

Related Information

[Integration Scenarios for Transactional Data](#)

10.2.19.2 Create and Update Contact Persons from SAP Field Service Management

You can now create or update the contact person for a customer in SAP Field Service Management and synchronize the information into SAP S/4HANA and SAP S/4HANA Cloud Private Edition.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM - S4 - INT - FSM (<i>Field Service Management Integration</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS3

Additional Information

To enable service managers and technicians to create and update the contact person, a new integration flow titled *Replicate Business Partner Contact from SAP Field Service Management* is introduced in the *SAP S/4HANA Integration with SAP Field Service Management* integration package.

Related Information

[Integration Scenarios for Transactional Data](#)

10.2.1.19.3 Replication of Service Contracts

In SAP S/4HANA and SAP S/4HANA Cloud Private Edition, you can now directly enable the replication of service contracts to SAP Field Service Management. This feature reduces the complexity of the integration and ensures improved performance. In addition, the integration solution now also supports the initial synchronization of service contract items as service contracts in SAP Field Service Management.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	CRM-S4-INT-FSM (<i>Field Service Management Integration</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS3

Additional Information

To activate this feature, perform the following steps:

- If the integration with multiple SAP Field Service Management is enabled, configure the rule type in Customizing for *Service* under [Integration with Other SAP Solutions](#) > [SAP Field Service Management](#) > [Configure Multiple Company Replication](#).
- Configure the language for notes of service contracts that needs to be replicated to SAP Field Service Management in Customizing for *Service* under [Integration with Other SAP Solutions](#) > [SAP Field Service Management](#) > [Configure Language of Service Transaction](#).
- Define the mapping of text types of service contracts to text attributes in SAP Field Service Management in Customizing for *Service* under [Integration with Other SAP Solutions](#) > [SAP Field Service Management](#) > [Configure Mapping for Text Types and Text Attributes](#).
- Configure SAP Application Interface Framework for monitoring.

Related Information

[Integration Scenarios for Transactional Data](#)

10.2.2 In-House Repair Management

10.2.2.1 Creating In-House Repairs and Repair Objects with AI-Assisted In-House Service Initiation

Business Details

You can now use generative AI technology to create in-house repairs and repair objects from documents, for example, purchase orders or packing lists. This makes it easier to create in-house repairs and to add repair objects to an in-house repair, a service quotation, or a service order without typing data manually in your system.

AI-Assisted In-House Service Initiation is available in the following apps when you click the [Create from Document](#) button:

- [Manage In-House Repairs](#): Create in-house repairs and repair objects
- [Manage Service Quotations](#) in the [Repairs Objects \(In-House Repair\)](#) assignment block: Create repair objects
- [Manage Service Orders](#) in the [Repairs Objects \(In-House Repair\)](#) assignment block: Create repair objects

After uploading the document into your system, the content is imported into the in-house repair process using the Document Information Extraction service on the SAP Business Technology Platform. Generative AI technology supports the extraction of the data required for the creation of the in-house repair and the repair objects. Based on the extracted data, the system then searches for and identifies the relevant master data for the equipment, product, or business partner in In-House Repair, for example, the sold-to party or the equipment. The result of this data extraction and data enrichment is then displayed in the corresponding fields in the apps and can be reviewed there. Having reviewed the result, you can create the in-house repair and/or the repair objects.

Implementation Details

Note

Use of this AI-assisted feature may require additional entitlement and authorization. Please consult your account executive for more information.

You can use AI-Assisted In-House Service Initiation if you have set up a connection between the intelligent scenario for the AI-Assisted In-House Service Initiation and the document information extraction service by means of Intelligent Scenario Lifecycle Management Framework. For more information, see [Setting Up the System](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Service - In-House Repair (7GB  41Z (Service Quotation and Order Management)
Technical Object Name	App ID: F4025 (Manage In-House Repairs) App ID: TBT116QMSR (Manage Service Quotations) App ID: TBT116MSR (Manage Service Orders)

Application Component	CRM-S4-IHR (S4CRM: In-House Repair)
	CRM-S4-SRV-SVQ (S4CRM: Service Order Quotation)
	CRM-S4-SRV-SVO (S4CRM: Service Order)
Availability	SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[AI-Assisted In-House Service Initiation](#)
[Repair Objects in Service Quotations and Service Orders](#)
[Create In-House Repairs and Add Repair Objects](#)

10.2.2.2 Creating In-House Repairs for Serialized and Non-Serialized Products in Service Transactions

Business Details

In service transactions and the related items (service quotations and service orders), you can now create in-house repairs with repair objects that are related to serialized products and non-serialized products. You do this by inserting products with a serial number or without a serial number (non-serialized products) in the [Repair Objects \(In-House Repair\)](#) assignment block.

For serialized products, the quantity 1 is automatically set. For non-serialized products you can enter a quantity that is greater than 1.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Service - In-House Repair (7GB )
Technical Object Name	App ID: TBT116QMSR (Manage Service Quotations)
	App ID: TBT116MSR (Manage Service Orders)

Application Component	CRM-S4-IHR (S4CRM: In-House Repair)
	CRM-S4-SRV-SVQ (S4CRM: Service Order Quotation)
	CRM-S4-SRV-SVO (S4CRM: Service Order)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Repair Objects in Service Quotations and Service Orders](#)
[Repair Object](#)

10.2.2.3 Adjusting the Actual Delivered Quantity of Repair Objects in Returns Orders

Business Details

In returns orders, you now can retroactively change the quantity of the repair objects to be returned if it turns out that a lower number of repair objects than originally announced is returned by the customer. The changed quantities are then displayed in the [Manage In-House Repairs](#) and [Manage Repair Objects](#) apps.

Before you change the quantity in the returns order, make sure that the goods receipts that have been created for the actual delivered quantities have been posted and that the delivery items in the outbound delivery that are not required have been deleted.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Service - In-House Repair (7GB )
Technical Object Name	App ID: F4025 (Manage In-House Repairs)
	App ID: F7695 (Manage Repair Objects)

Application Component	CRM - S4 - IHR (S4CRM: In-House Repair) LO - ARM (Advanced Returns Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Manage Customer Returns for Repair Objects](#)
[Repair Object](#)

10.2.2.4 Automatic Completion of Subordinate Repair Objects

Business Details

You can now set all subordinate repair objects to [Completed](#) automatically by completing the related higher-level repair object. If all subordinate repair objects and the higher-level repair object meet the required criteria, the button [Set Repair Object to Completed](#) is displayed for the higher-level repair object in the apps [Manage In-House Repairs](#) and [Manage Repair Objects](#).

The following criteria must be met by all subordinate repair objects:

- All related service quotations have been completed.
- All related service orders and the follow-up service confirmations have been completed.
- One of the following availabilities must be assigned to the subordinate repair objects at the repair center:
 - [Delivery to Repair Center Canceled](#)
 - [Material Inspection Reversed](#)
 - [Sent Back by Repair Center](#)

This means that the availability [Delivery to Repair Center Canceled](#) or [Sent Back by Repair Center](#) can therefore be assigned to the higher-level repair object.

Technical Details

Type	Changed
Functional Localization	No localization

Scope Item	Service - In-House Repair (7GB )
Technical Object Name	App ID: F4025 (Manage In-House Repairs) App ID: F7695 (Manage Repair Objects)
Application Component	CRM - S4 - IHR (S4CRM: In-House Repair)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Set Repair Objects to Completed](#)

10.2.2.5 Adding Attachments to In-House Repairs

Business Details

You can now add documents to in-house repairs in the [Manage In-House Repairs](#) app under [Attachments](#).

When you create an in-house repair using the feature **AI-Assisted In-House Service Initiation** (see [Creating In-House Repairs and Repair Objects with AI-Assisted In-House Service Initiation \[page 289\]](#)) in the [Manage In-House Repairs](#) app, the document from which data is extracted is automatically added to the in-house repair as an attachment.

Implementation Details

Customizing

Documents that you add to in-house repairs in the [Manage In-House Repairs](#) app are stored using Document Management (DMS) and processed with Harmonized Document Management (HDM).

You set up Document Management (DMS) in Customizing for [Cross-Application Components](#) under [Document Management](#) > [Control Data](#) > [Define DMS Document Types](#) .

You activate Harmonized Document Management (HDM) to be used in the respective apps in Customizing for [ABAP Platform](#) under [Application Server](#) > [Basis Services](#) > [Harmonized Document Management](#) > [Activate HDM for Attachment Object Type](#) .

For more information about setting up attachments for In-House Repair, see [Managing Attachments with Harmonized Document Management \(HDM\)](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Service - In-House Repair (7GB )
Technical Object Name	App ID: F4025
Application Component	CRM - S4 - IHR (<i>S4CRM: In-House Repair</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Managing Attachments with Harmonized Document Management \(HDM\)](#)

[In-House Repair](#)

[AI-Assisted In-House Service Initiation](#)

[Creating In-House Repairs and Repair Objects with AI-Assisted In-House Service Initiation \[page 289\]](#)

10.2.2.6 Analytics in In-House Repair

Business Details

You can now use the apps [Service Management Overview](#) and [Service Order Issues](#) to evaluate service orders that have been created within the in-house repair process and to which repair objects have been assigned.

In the [Service Management Overview](#) app, you can access the following apps that help you to analyze information in service orders that is related to the in-house repair process for repair objects:

- [Overdue Service Orders Analysis](#)
- [Service Orders Analysis](#)

Technical Details

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

Functional Localization	No localization
Scope Item	Service - In-House Repair (7GB )
Technical Object Name	App ID: F3607(Service Management Overview) App ID: F4033 (Service Order Issues)
Application Component	CRM - S4 - ANA (Analytics) CRM - S4 - IHR (S4CRM: In-House Repair) CRM - S4 - SRV - SV0 (S4CRM: Service Order) CRM - S4 - SRV - SVQ (S4CRM: Service Order Quotation)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Service Management Overview](#)
[Overdue Service Orders Analysis](#)
[Service Orders Analysis](#)
[Service Order Issues](#)
[In-House Repair](#)

10.2.2.7 Managing Ship-to Party and Delivery Terms in In-House Repairs and Repair Objects

Business Details

A new facet [Shipping](#) has been implemented on the object page in the [Manage Repair Objects](#) and [Manage In-House Repairs](#) apps. The applicable ship-to party and delivery terms, for example the shipping conditions and the incoterms, are displayed on this facet. When you create an outbound delivery for a repair object, the ship-to party and the delivery terms that have been entered for the repair object are copied to the outbound delivery.

Implementation Details

Customizing (Display Ship-to Party)

Make the following settings in Customizing for [Service](#) to display the ship-to party on the [Shipping](#) facet:

1. Assign the partner function procedure for repair objects, REPA2024 ([In-House Repair Item](#)), in the [Define Partner Determination Procedure in Service](#) Customizing activity under ► [Transactions](#) ► [Basic Settings](#) ►. The procedure REPA2024 ([In-House Repair Item](#)) is provided in the standard settings for this Customizing activity. Do not change the assigned partner function, because modified partner functions are not supported in In-House Repair.
2. In the [Define Item Categories](#) Customizing activity, assign the partner determination procedure to the item category that is used for repair objects (**IHRI**).

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Service - In-House Repair (7GB )
Technical Object Name	App ID: F4025 (Manage In-House Repairs) App ID: F7695 (Manage Repair Objects)
Application Component	CRM - S4 - IHR (S4CRM: In-House Repair)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[In-House Repair](#)
[Repair Object](#)
[Create Outbound Deliveries](#)

10.3 WebClient UI Framework

10.3.1 Advanced Search Pages Improvements

Business Details

The WebClient UI Advanced Search pages have been improved and aligned with Fiori guidelines. This includes variant management and an updated view of the search criteria.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	CA-WUI-UI (<i>WebClient UI</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Advanced Search Pages with Fiori Layout](#)

11 Sourcing and Procurement

11.1 Sourcing and Contract Management

11.1.1 Manage Sourcing Projects

Business Details

With this feature, you can now create a collaboration for internal stakeholders of a sourcing project. A collaboration in a sourcing project acts as a secure, virtual workspace where stakeholders can upload the sourcing-related documents. A collaboration is created for a sourcing project before the document is published.

Implementation Details

The prerequisites listed below should be fulfilled in your configuration system so that a collaboration can be used in your sourcing project.

- Enable the lightweight business function MM_PUR_SRCG_PROJ_PLM_COLLABN. (To access this switch, in your configuration system, go to [Purchasing](#) > [Sourcing](#) > [Product Sourcing](#) > [Sourcing Project and Supplier Quotation](#) > [Enable Internal Collaboration](#)).
To enable this activity, you should have a subscription to the external system for collaboration on SAP Business Technology Platform, SAP Integrated Product Development.
- In your configuration system, maintain the following activities under the path described below.
Go to [Purchasing](#) > [Sourcing](#) > [Product Sourcing](#) > [Sourcing Project and Supplier Quotation](#) > [Internal Collaboration](#) .
 1. [Set up RFC Destination](#)
 2. [Configure Internal Collaboration](#)
 3. [Maintain OAuth 2.0 Client](#)

Technical Details

Type	New
Functional Localization	Not Applicable

Scope Item	Direct Material Sourcing
Technical Object Name	App ID:F4861
Application Component	MM - PUR - SRC - SP (<i>Sourcing Project</i>)
Availability	SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Collaborations in Sourcing Project](#)
[Manage Sourcing Projects](#)

11.2 Operational Procurement

11.2.1 Purchase Order Processing

11.2.1.1 Extension of Detail Tree in Returns Overview for Supplier Returns

Business Details

You can extend the detail tree in the [Returns Overview for Supplier Returns](#) with additional items. An additional item can represent a new node or an additional document. Use the Business Add-In (BAI) `BADI_SD_ARM_MSR_TREE` to do this. It allows you to display documents related to a supplier returns process that are not considered in the standard detail tree. The additional items are displayed below the standard detail tree.

Implementation Details

Customizing

You can access the BAI in Customizing under [Materials Management](#) > [Purchasing](#) > [Purchase Order](#) > [Returns Order](#) > [Advanced Returns Management](#) > [Business Add-Ins \(BAIs\)](#) > [BAI: Extension of Detail Tree in Returns Overview](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BMK (Return to Supplier)
Technical Object Name	Not applicable
Application Component	LO - ARM (<i>Advanced Returns Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Supplier Returns Overview](#)
[Business Add-Ins \(BAIs\) for Supplier Returns](#)

11.2.1.2 First Come First Served (FCFS) in Stock Transport Orders

Business Details

Stock Transport Orders (STO) now support First Come First Served (FCFS) functionality. To use this feature, activate FCFS for the STO. FCFS ensures that Advanced Available-to-Promise (aATP) checks requirements in a specific sequence, defined by the FCFS priority. During an aATP check, it considers stocks, receipt elements, and concurrent requirements.

To enable a processing sequence based on FCFS priorities, activate FCFS for the corresponding STO document types and supplying plant combinations. FCFS for STOs updates the FCFS priority of schedule lines based on preponement, postponement, or changes in the requested quantity. The FCFS priority defines the sequence in which requirements are considered during an aATP check.

Implementation Details

Customizing

You can activate or deactivate the FCFS functionality for STO in Customizing under [Cross-Application Components](#) > [Advanced Available-to-Promise \(aATP\)](#) > [Configuration Activities for Specific Document Types](#) > [Stock Transport Orders](#) > [Activate First Come First Served for Stock Transport Orders](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Technical Object Name	Not applicable
Application Component	CA - ATP (Available-to-Promise (ATP))
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[First Come First Served \(FCFS\) in Stock Transport Orders](#)

11.3 Central Purchasing

11.3.1 Output of Line-Item Attachments within Centrally Managed Purchase Orders

Business Details

With this release, the centrally managed purchase order output supports line-item attachments through the SAP Business Network.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	2XT (Central Purchasing)
Technical Object Name	App ID: F3292
Application Component	MM - PUR - HUB - PO (<i>Centrally Managed Purchase Orders</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

11.4 Support of Price Scales in Mass Changes to Central Purchase Contracts

Business Details

With this release, you can now upload or download the [Scale](#) values for item condition types that are configured in the new worksheet [Central Contract Item Price Scale](#) during the creation of central purchase contracts or in the new worksheet [Hierarchy Cont. Item Prc Scale](#) of central purchase contract hierarchies using the [Mass Changes to Central Purchase Contracts](#) app in the offline mode.

You can edit the values in the [Scale](#) field for the relevant condition types even if there are existing values or newly created, and use the scale types A (Base scale or From scale) and B (To - scale). It is not applicable to scale type D (Graduated-to interval scale).

You can also add or delete scales for items conditions depending on configuration of condition types in central purchase contract and central purchase contract hierarchy items. When a line item is deleted, the line item worksheets for central purchase contract and central purchase contract hierarchy are available but the worksheets [Central Contract Item Price Scale](#), [Hierarchy Cont. Item Prc Scale](#), [Hierarchy Cont. Item Pricing](#) and [Hierarchy Cont. Item Pricing](#) are unavailable.

The [Condition Group ID](#) in the [Central Contract Item Price Scale](#) worksheet of central purchase contract and [Hierarchy Cont. Item Prc Scale](#) worksheet of central purchase contract hierarchy should be same as the [Condition Group ID](#) in the [Hierarchy Cont. Item Pricing](#) and [Hierarchy Cont. Item Pricing](#) respectively.

In [Central Contract Item Price Scale](#) worksheet of central purchase contract and [Hierarchy Cont. Item Prc Scale](#) of central purchase contract hierarchy, for each line item, the right sequence should be maintained to upload properly. When creating or uploading, the [Line number](#) is in a proper sequence. However, when you download, the [Line number](#) the line number increases in increments of three instead of being sequential.

For example, when you download, either the [Central Contract Item Price Scale](#) or [Hierarchy Cont. Item Prc Scale](#) worksheets, the sequence of line numbers will appear as shown in the example table below:

Example: Downloaded Central Purchase Contract Item Price Scale Worksheet

Central Contract	Item	Condition Group ID	Condition Type	Line Number	Scale Type	Scale Quantity	Scale Unit of Meas.	Scale Value	Scale Currency	Amount	Condition Currency	Is New	Deletion Indicator
4000000123	00010	0000000123	ABCO	0001	A	50	PC	0.00		100	EUR		
4000000123	00010	0000000123	ABCO	0004	A	70	PC	0.00		90	EUR		
4000000123	00010	0000000123	ABCO	0007	A	100	PC	0.00		80	EUR		

Note

This feature is not applicable for header condition pricing scale of a central purchase contract and central purchase contract hierarchy.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	2ME  (Central Purchase Contracts)
Technical Object Name	App ID: F3792
Application Component	MM - PUR - HUB - CTR (Central Purchase Contracts)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

11.5 Additional Fields in Mass Changes to Central Purchase Contracts

Business Details

With this release, additional fields are added to the app [Mass Changes to Central Purchase Contracts](#) for central purchase contracts and central purchase contract hierarchies.

The following are the fields added:

Section	Fields Added	Description
Central Purchase Contract Header Hierarchy Central Cont. Header	PurgContractIsInPreparation	Purchase Contract is in-Preparation
Central Purchase Contract Item Hierarchy Central Cont. Item	OrderPriceUnitToOrderUnitNmtr OrdPriceUnitToOrderUnitDnmtr PlannedDeliveryDurationInDays PurchasingDocumentItemCategory	Numerator for Conversion of Order Price Unit into Order Unit Denominator for Conversion of Order Price Unit into Order Unit Item Category in Purchasing Document
Central Purchase Contract Header Dis-tribution Hierarchy Cont. Header Dist.	IncotermsClassification IncotermsLocation1	Incoterms (Part 1) Incoterms Location 1
Central Purchase Contract Item Distri-bution Hierarchy Cont. Item Dist.	IncotermsClassification IncotermsLocation1	Incoterms (Part 1) Incoterms Location 1
Central Purchase Contract Item Pricing Hierarchy Cont. Item Pricing	ConditionToBaseQtyDnmtr ConditionToBaseQtyNmtr	Denominator for Converting Condition Units to Base Units Numerator for Converting Condition Units to Base Units

Save in Preparation in Mass Changes to Central Purchase Contracts

You can use the **Save in Preparation** field in the **Central Contract Header** and **Hierarchy Central Cont. Header** worksheets to save new central purchase contracts and central purchase contract hierarchies respectively without releasing them.

Note

- When you save a document using **Save in Preparation**, it is not submitted for approval.
- In the **Central Contract Header** and **Hierarchy Central Cont. Header** worksheets, if both **Save in Preparation** and **Is New** fields are marked X, then the central purchase contracts and central purchase contract hierarchies are always saved in preparation.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	2ME (Central Purchase Contracts)

Technical Object Name	App ID: F3792
Application Component	MM-PUR-HUB-CTR (<i>Central Purchase Contracts</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

11.6 Country/Region Specifics

For country/region-specific changes, please see [What's New for Functional Localizations in SAP S/4HANA](#).

12 Supply Chain

12.1 Logistics Cross Topics

12.1.1 Batch Management

12.1.1.1 SOAP API: Batch - Outbound Integration

Business Details

With this asynchronous outbound service, you can replicate batch master records from an SAP S/4HANA system to client system. The service has been republished with the new title *Batch - Outbound Integration*, which replaces the previous title *Batch Management SOAP Outbound Integration*.

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

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	BLF (Batch Management)
Technical Object Name	API: II_LOBM_ESR_BAT_BLK_RN_INFO_IN
Application Component	LO - BM (<i>Batch Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Batch - Outbound Integration](#)

12.1.1.2 SOAP API: Batch - Inbound Integration

Business Details

With this asynchronous inbound service, you can replicate batch master records from a client system to an SAP S/4HANA system.

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

In addition, the Business Add-In *Adopt Date of Last Goods Receipt from SOAP Message* (LOBM_BAT_SOAP_IN_ADOPT_LGRD) is available for the API. This BAdI allows you to control the update behavior for the last goods receipt date. See [Extensibility for Adoption of Last Goods Receipt Date in Batch Replication](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BLF (Batch Management)
Technical Object Name	API: II_LOBM_ESR_BAT_BLK_RN_INFO_IN
Application Component	LO - BM (<i>Batch Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Batch - Inbound Integration](#)

12.1.2 SOAP API: Batch - Outbound Integration

Business Details

With this asynchronous outbound service, you can replicate batch master records from an SAP S/4HANA system to client system. The service has been republished with the new title *Batch - Outbound Integration*, which replaces the previous title *Batch Management SOAP Outbound Integration*.

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

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	BLF (Batch Management)
Technical Object Name	API: II_LOBM_ESR_BAT_BLK_RN_INFO_IN
Application Component	LO-BM (Batch Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Batch - Outbound Integration](#)

12.2 Warehouse Management

12.2.1 Add Short Text to Goods Issue and Cancellation

Business Details

With this feature, you can provide a short text for goods issues and cancellations in several apps.

You can manually enter a text of up to 50 characters. This allows you to add an explanation or other information to the goods movement. You can add this text in the following apps:

- [Manage Physical Stock - Products](#) (F5340)
- [Manage Warehouse Documents](#) (F5341)

You can see your text in the corresponding material document in other components of SAP S/4HANA using the [Display Material Document List](#) app.

If you are using synchronous goods movements from Inventory Management to Extended Warehouse Management (EWM), only available in EWM embedded in SAP S/4HANA, you can enter a text in the [Post](#)

[Goods Movement](#) app (transaction MIGO). The text is visible in the corresponding goods movement document in EWM, and you can see it in the monitor node at ► [Documents](#) ► [Warehouse Task](#) ▾.

This functionality has also been added to the consume and scrap actions in the [Warehouse Physical Stock by Product](#) API.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: F5340 App ID: F5341
Application Component	SCM - EWM - GM (Goods Movements)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

12.2.2 Condition Codes in Inbound Deliveries

Business Details

With this feature, you can add a condition code to a material when you create a batch in the [Change Inbound Deliveries – Deliveries](#) app.

Implementation Details

Before you can add a condition code to a material, you must activate the [Defense Forces & Public Security](#) component.

Customizing

After you activate [Defense Forces & Public Security](#), the [Condition Code](#) field is visible in the [Create Batch](#) dialogue box. However, the system only adds the condition code to the batch number if you activate the

following BAdI implementations under ► [SCWM Extended Warehouse Management](#) ► [Extended Warehouse Management](#) ► [Cross-Process Settings](#) ► [Batch Management](#) ► [Batches in Delivery - Warehouse Request](#) ►:

- Batch Number Assignment When Creating Batches (/SCWM/EX_DLV_BATCH_NUMBERING)
- Batch Valuation: Additional Characteristics (/SCWM/EX_DLV_BATCH_CHAR)

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	F1706
Application Component	SCM-EWM-DLP-UI (User Interface)
Availability	SAP S/4 HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Defense Forces & Public Security](#)

12.2.3 Prevention of Quantity Reductions When Only Complete Deliveries Allowed

Business Details

With this feature, you can prevent warehouse workers from reducing the quantity of an item that has the status [Only Complete Delivery Allowed](#). When warehouse workers apply a quantity reduction to an item, the system checks whether the item has the status [Only Complete Delivery Allowed](#). If so, the system doesn't reduce the quantity.

The new checks apply to the original quantity of main items in an outbound delivery order. This includes main items in a kit to order process. However, warehouse workers are not prevented from changing the quantity of a cross-docking item during inbound or outbound delivery. If a warehouse worker changes the quantity of a cross-docking item, the system displays a warning message, but the change is allowed.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	SCM - EWM - DLP (Delivery Processing)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Cross-Docking \(CD\)](#)
[Delivery Quantity Adjustment](#)
[Kit to Order](#)

12.2.4 Search for Advanced Shipping and Receiving Deliveries in Waves

Business Details

With this feature, you can search for waves, wave items, and wave-relevant warehouse requests that are part of Advanced Shipping and Receiving deliveries in the [Maintain Waves](#) app (transaction /SCWM/WAVE) and the warehouse monitor (transaction /SCWM/MON).

You can search by the freight document (that is, the freight order in Transportation Management (TM)) or the carrier of the delivery connected to the freight document.

Implementation Details

The integration with TM is based on Advanced Shipping and Receiving.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: /SCWM/WAVE App ID: /SCWM/MON
Application Component	SCM - EWM - WAV (Wave Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

12.2.5 JIT Updates for Alternative Final Destination Bins (Embedded EWM)

Business Details

With this feature, you can set active Just-In-Time (JIT) calls to [Completed](#) for additional handling units (HUs) that didn't reach their planned final destination but were put away to a different final bin instead. You use this feature when confirming putaway warehouse tasks to final destination bins and the HU is relevant for the external replenishment process with JIT calls. This feature is available only for Extended Warehouse Management (EWM) embedded in SAP S/4HANA.

Implementation Details

If you need to create an incident regarding this feature, use component SCM-EWM-WOP or SCM-EWM-IF-JIT.

Customizing

You specify that you want to set active JIT calls to [Completed](#) for additional HUs in Customizing for [Extended Warehouse Management](#) under ► [Business Add-Ins \(BADIs\) for Extended Warehouse Management](#) ► [Cross-Process Settings](#) ► [Warehouse Task](#) ► [Confirmation of Warehouse Task](#) ► [BAdI: JIT Updates for Addnl HUs During Putaway to Diff. Bins](#) ►.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	BAdI: /SCWM/EX_JIT_UPD_PTWY_TO_PSA
Application Component	SCM-EWM-WOP (Warehouse Order Processing)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Confirmation of Putaway Warehouse Tasks for Handling Units](#)
[Putaway for Supply to Production](#)

12.2.6 Scanning Alternative HU IDs During RF Processing

Business Details

With this feature, you can scan alternative handling unit (HU) IDs on vendor labels and the system converts them to internal Extended Warehouse Management HU IDs. Converting the alternative HU IDs in RF transactions ensures that you don't need to re-label the HUs or create custom RF screens. Note that if multiple HU IDs are assigned to one alternative HU ID, you can select the relevant internal HU ID.

Implementation Details

Customizing

You specify that you want to convert alternative HU IDs to HU IDs in Customizing for [Extended Warehouse Management](#) under ► [Business Add-Ins \(BAdIs\) for Extended Warehouse Management](#) ► [Mobile Data Entry](#) ► [BAdI: Conversion of Alt. HU IDs to HU IDs in RF Processing](#) ►.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: /SCWM/RFUI BAdI: /SCWM/EX_ALT_HU_RF_CONV
Application Component	SCM - EWM - RF (<i>Radio Frequency Processing</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Radio Frequency Framework](#)

12.2.7 Prevention of Handling Unit Withdrawal During Picking

Business Details

This feature enables you to set a new parameter, **EWMHandlingUnitIsNotWithdrawn**, in the ODATA API action **ConfirmWarehouseTaskProduct**. You can set the parameter **EWMHandlingUnitIsNotWithdrawn** if you want an empty handling unit to stay in a bin after you pick all the items from the handling unit.

If **EWMHandlingUnitIsNotWithdrawn** is not set when you pick all the items from the handling unit, the handling unit moves out of the storage bin along with the items from the handling unit.

This parameter should only be set if the quantity of items to be moved matches the quantity of items in the handling unit.

Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	SCM-EWM-API (Remote APIs)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Confirm Product Warehouse Tasks](#)

12.2.8 Custom Checks for Loading Materials onto a Freight Order

Business Details

With this feature, you can add customer-specific checks for handling units or warehouse requests before loading execution in Advanced Shipping and Receiving. The checks take place during outbound delivery.

For example, your custom check could identify food that needs to be loaded onto a refrigerated truck.

Implementation Details

Customizing

To use custom checks, activate *BAdI: Checks Before Loading Execution* in Customizing for *Extended Warehouse Management* under  *Business Add-Ins (BAdIs) for Extended Warehouse Management*  *Cross-Process Settings*  *Shipping and Receiving* .

The Business Add-In (BAdI) includes the example class `/SCWM/CL_EI_SR_LOADING_CHECK`, which implements the interface `/SCWM/IF_EX_SR_LOADING_CHECK` and provides example code. You can use this class as an inheritance template to create custom logic for your checks.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	SCM - EWM - SR (<i>Shipping and Receiving</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

12.2.9 Data Migration from LE-WM to EWM

Business Details

With this feature, you can modify the contents of an XML file when you migrate your stock data or storage bin data from LE-WM to EWM using the transaction /SCWM/MIG_FILE_MC and the [Migrate Your Data](#) app. You can use your own logic to modify individual records or change the entire table of records. You can also program your own logic for data selection in the source system.

Additionally, the maximum file size accepted by the [Migrate Your Data](#) app is now 100 MB. This is the default value of the [File Size](#) field in the selection screen. You can reduce the maximum file size to less than 100 MB.

If the generated XML file is larger than the value specified in the [File Size](#) field, the XML file is split into multiple smaller files. The smaller files have the same name as the original file, with a number added at the end of the name.

In rare cases, if you have a high quantity of stock entries in the same storage bin, the generated XML file may be larger than the specified file size. This is because the stock entries must all be downloaded into a single XML file if the stock entries are in the same storage bin.

Implementation Details

Customizing

To use this feature, activate either of the following BADIs in Customizing under  [SCM Extended Warehouse Management](#) > [Extended Warehouse Management](#) > [Business Add-Ins \(BADIs\) for Extended Warehouse Management](#) > [Interfaces](#) > [Migration from LE-WM](#): 

- BAdI: Change Stock Information During Download (SCWM/EX_MIGRATION_STOCK)

- BAdI: Change Storage Bin Information During Download (SCWM/EX_MIGRATION_BIN)

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	F3473
Application Component	SCM - EWM - IF - MIG (<i>Interface Migration from LE-WM</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Migration from LE-WM](#)
[Storage Bin Migration Using the Migration Cockpit](#)
[Stock Migration Using the Migration Cockpit](#)

12.2.10 Predictive Labor Demand Planning Using Historical Workload Data for Warehouse Efficiency

Business Details

Labor Demand Planning (LDP) now enables the prediction of planned durations for picking and packing processes, enhancing the efficiency of resource and workload planning. By utilizing historical workload data, LDP provides accurate predictions for task durations, eliminating the need for extensive preprocessing or reliance on Engineered Labor Standards (ELS). This feature allows warehouses to optimize labor allocation and reduce inefficiencies by predicting the time required for tasks such as picking, packing, and outbound deliveries.

With LDP, you can view planned workload durations directly in the warehouse monitor, allowing for better visibility and control over task planning. This functionality improves operational efficiency by streamlining the planning process and ensuring more accurate and timely execution of warehouse tasks.

Implementation Details

You activate LDP in Customizing for Extended Warehouse Management under [Labor Management](#) > [Labor Demand Planning](#) > [Activate Labor Demand Planning](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	SCM - EWM - LM (Planning)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

12.2.11 Rename a Structural Node for Product Assistance

Business Details

The structural node previously titled "Stock Transfer for JIT Call" is now renamed to "Internal Replenishment for JIT Call".

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable

Application Component	Not applicable
Availability	SAP S/4HANA Cloud Private Edition Only
Valid as Of	2023 FPS03

Related Information

[Internal Replenishment for JIT Call](#)

12.3 Delivery and Transportation

12.3.1 Delivery Management

12.3.1.1 Integration of Next Generation Just-In-Time in a Supply-to-Customer (S2C) Scenario

Business Details

This feature enables the integration of Next Generation Just-In-Time (nJIT) and Delivery Management (LE-SHP) in a supply-to-customer (S2C) scenario in Advanced Shipping and Receiving (Adv. SR).

In this scenario, outbound deliveries can now be created based on JIT calls. The outbound deliveries that are based on JIT calls contain component groups as delivery items. Component groups, such as a car door or axle, are collections of materials representing tangible items. This grouping helps focus on the logistically relevant products that are physically moved.

In the [Outbound Delivery](#) app (FO233A) or in [Display Outbound Delivery](#) (VL03N), you can see the JIT calls that are the predecessor documents for the outbound delivery items. To view details of a JIT call, you can navigate from the apps to the corresponding JIT app based on the type of the JIT call.

Implementation Details

Customizing

To enable the integration of nJIT with the Advanced Shipping and Receiving outbound process, activate the Business Configuration Set (BC Set) LE_SHP_ASR_NJIT_INTEGRATION_CUST with the following steps:

- On the SAP Easy Access screen, choose [Tools](#) [Customizing](#) [Business Configuration Sets](#) [Activation of BC Sets](#) (transaction SCPR20).

- Enter the BC Set LE_SHP_ASR_NJIT_INTEGRATION_CUST, and choose [Activate BC Set](#).

The business add-in BADI_LE_SHP_TM_OBD_UPD ([Outbound Delivery Update from Freight Order](#)) was enhanced with a new method.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: F0233A App ID: VL03N
Application Component	LE - JIT - S2C (Supply to Customer) LO - INT - TM - DL (Delivery Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Integration of Next Generation Just-In-Time](#)

12.3.2 Transportation Management

12.3.2.1 Charge Calculation Based on Units of Measures (UoMs)

Business Details

As a logistics service provider or shipper, you can calculate transportation charges based on units of measures (UoMs) for the product quantities. For the system to determine the rate based on the UoMs, you specify the scale base as [QTYALL](#) and calculation base as [QTY_ALL_VAL](#) in a rate table or local rate table.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	Transportation Charge Calculation (TM-CF-CC)
Availability	SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Rate Determination based on Units of Measures \(UoMs\)](#)

12.3.2.2 Enhancements for Multimodal Transportation for Shippers

Business Details

With this feature, several functions for the ocean and air freight booking process for shippers in the Advanced Shipping and Receiving outbound process have been enhanced.

Assigning and Unassigning Container Units

For ocean freight bookings, the assignment and unassignment of container units (CU) to freight bookings, pick-up or delivery freight orders (FO) has been improved. This is especially useful for rail pick-up freight orders, where often many container units need to be assigned, and mistakes might occur. The following options have been added:

- **Unassign CU from Pick-Up or Delivery FO**

You can unassign a container unit from a pick-up or delivery freight order. To do this, you delete the selected container units from the [Items](#) tab of the freight order. The container unit is then removed from the freight order but remains assigned to the freight booking. This enables you to assign the container unit to another pick-up or delivery freight order. In some cases, the system prevents unassigning a container unit, for example, if goods movement is already posted, or if loading is completed for items inside of the container. To overcome this, you can reverse some statuses until it is allowed to delete the container unit from the pick-up freight order.

- **Unassign CU From Freight Booking**

In the [Edit Ocean Freight Booking](#) app, you can unassign a container unit from a freight booking. To do this, you delete the selected container unit from the [Items](#) tab of the freight booking. The system behavior depends on the execution status of the pick-up or delivery FO:

- If **no** pick-up or delivery FO exists, the CU is removed from the freight booking.
- If a pick-up or delivery FO that is **not yet in execution** exists, the CU is removed from the freight booking and from the pick-up or delivery FO.
- If a pick-up or delivery FO that **is in execution** exists, the CU is removed from the freight booking but remains assigned to the pick-up or delivery FO.
- **Assign CU From Freight Booking to Already Existing Pick-up or Delivery FO**
On the [Items](#) tab in the [Edit Ocean Freight Booking](#) app, you can now assign CUs from the freight booking to an already existing pick-up or delivery FO.
Two new actions for assigning CUs were added to the [Assign](#) drop-down menu:
 - [Assign to a Freight Order for Pick-Up](#)
 - [Assign to a Freight Order for Delivery](#)

Reporting of Container Loading Status

For ocean freight bookings, reporting of the container loading status was enhanced:

- In the freight order, you can now **manually** set the handling execution status of containers to [Loaded](#). Until now, this has only been possible by setting the main stop [Loaded](#).
- You can configure the system to **automatically** set all containers of a freight order to [Loaded](#) with truck departure or check-out.
To automatically set the status, you must define the event profile in Customizing for [Transportation Management](#) under ► [Freight Order Management](#) ► [Execution Settings](#) ► [Define Event Profiles](#) ►. Set the loading event (EP_LOAD_END_ITEM) to [Mandatory: Event is Derived and Reported Automatically](#). Assign the event profile to corresponding freight order type.
Note: Use the freight order types you configured for this function for containerized cargo only.
- **Reverse check-out or departure:** In case you revert the check-out or departure of a truck, the container remains loaded. You need to manually set the container to [Not Loaded](#).

Setting the container to loaded is an optional status that can be set if required for the business process. In TM standard, the loading status of the container is not coupled to any follow-up processes.

Displaying Handling Execution Status

The display for the handling execution status of freight bookings has been improved. The system retrieves the handling execution status from the documents where the loading or unloading is performed, that is from the pick-up and delivery freight orders. Therefore, you can now track the execution progress of each container in the freight booking [Overview](#) tab and monitor statuses of all booking items without having to check many documents. This gives you a good overview as a freight booking can have many containers assigned, which are delivered to or from the port by separate trucks.

Charges Update via TORGenericRequest_In Enabled

In the air freight booking process for shippers, you (as the shipper) can now receive charges information from the carrier. The carrier sends the information when it is decided which consignment orders are assigned to which flight. The message from the carrier uses the `TransportationOrderGenericRequest` service and includes the actual departure date and time, and the transportation charges on header level.

The received charges information will then be visible on the Charges tab in the corresponding air freight booking.

Simplified Multimodal Booking UI for Shippers in Private Cloud

The simplified freight booking user interfaces that were developed for SAP S/4HANA Cloud Public Edition are now available for multimodal transportation scenarios in SAP S/4HANA Cloud Private Edition. You can use these user interfaces for ocean and air freight bookings for shippers in Advanced Shipping and Receiving if the reduced fields are sufficient for your processes.

As a prerequisite, you need to configure the freight booking types. Assign the respective Web Dynpro Application in Customizing for Transportation Management under ► [Freight Order Management](#) ► [Freight Booking](#) ► [Define Freight Booking Type](#) in section [Application Configuration Settings](#):

- For an ocean freight booking type use /SCMTMS/ FRE_BOOK_OCEAN_ES.
- For an air freight booking type use /SCMTMS/ FRE_BOOK_AIR_ES.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	TM - FRM - FRB (Freight Booking)
	TM - FRM - ASR (Advanced Shipping and Receiving)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Sample Ocean Freight Process for Shippers \(Outbound\)](#)
[Ocean Freight Bookings for Shippers \(Outbound\)](#)
[Sample Air Freight Process for Shippers \(Outbound\)](#)
[Air Freight Bookings for Shippers \(Outbound\)](#)

12.3.2.3 AI-Assisted Goods Receipt Analysis

Business Details

- The feature formerly known as *Intelligent Goods Receipt* has been officially renamed to *AI-Assisted Goods Receipt Analysis*. This change reflects a more precise description of the feature's capabilities, emphasizing its role in leveraging AI technology to enhance the analysis and processing of goods receipt data.
- When you create a consignment order from a shipping document using Document Information Extraction, the unified package building function now automatically generates the item hierarchy and the corresponding quantities of packaged items and products.
- You can now use the *Application Log* for Document Information Extraction to collect messages, exceptions, and errors that occur during the intelligent processing of documents.

 Note

These functions use generative artificial intelligence (AI). Always validate information extracted using generative AI before using it for critical applications.

Technical Details

Type	Changed
Functional Localization	Not localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	TM - FRM - INT - BDP (<i>Integration with Business Document Processing</i>)
Availability	SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[AI-Assisted Goods Receipt Analysis](#)
[Creation of Consignment Order Item Hierarchy Using Document Information Extraction](#)
[Application Log for Document Information Extraction](#)

12.3.2.4 Carrier Determination

Business Details

This feature enables you to automatically determine a carrier for a business document based on simple rules.

Carrier determination is performed automatically during creation and update of a business document. The system first evaluates whether the document is relevant for triggering carrier determination. Based on the assigned carrier determination profile, it checks whether relevant data was changed on root, item, or stop level. In a second step, the system determines or redetermines the carrier if necessary. To do this, it evaluates the determination rules of the assigned carrier determination profile from top to bottom according to the specified processing sequence. It applies the first determination rule that matches and assigns the carrier that is specified in this rule to the business document.

The app [Create Carrier Determination Profile](#) lets you define the determination rules that the system uses to determine a unique carrier. You can define several rules based on business document attributes, such as gross weight or source and destination data. This app also offers a simulation function as well as a function to upload data from spreadsheets and download data into spreadsheets.

The Business Add-In (BAI) [Enhancements for Carrier Determination](#) (/SCMTMS/EX_TSPD) allows you to adjust the system behavior with regard to whether and how determination is to be performed.

Note that carrier determination is performed for freight units, freight orders, and consignment orders on document level only.

Implementation Details

Authorizations

Authorization object T_PRF_TSPD allows you to define authorizations for using carrier determination.

Customizing

To activate carrier determination, you need to assign your carrier determination profile to your business object type. To do this, the field [Carrier Determination Profile](#) has been made available in the following Customizing activities:

- [Freight Order Management](#) > [Freight Order](#) > [Define Freight Order Types](#) >
- [Freight Order Management](#) > [Consignment Order](#) > [Define Consignment Order Types](#) >
- [Planning](#) > [Freight Unit](#) > [Define Freight Unit Types](#) >

Effects on Existing Data

Several fields have been made available in the lists and hierarchies of the transportation cockpit to display and change the carrier. For more information, see the What's New document for [Enhancements for Transportation Cockpit and Manual Planning](#) [page 327].

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	TM-PLN (<i>Planning</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Carrier Determination](#)

12.3.2.5 Enhancements for Transportation Cockpit and Manual Planning

Business Details

This feature enables you to create capacity documents based on groups for carriers on freight unit document level. It also enables you to change and display carrier information in your business documents. Finally, the accuracy of street-level routing shown on the geographical map was improved.

The following functions are available:

- You can now create capacity documents based on groups for carriers on freight unit root level (document level). For this, a grouping rule, TSP_DOC *Carrier (Document)*, has been added. The existing rule *TSP Carrier* has been renamed *TSP Carrier (Stage)*.
- Previously, the street-level routing shown on the geographical map was based on the current time. Now, it's based on the departure date/time of the document's stage. If no departure time is defined for the stage, the current time is used as a fallback.

Implementation Details

Effects on Existing Data

Some field labels on the user interface of the carrier selection settings have been improved.

Freight unit stage list and combined freight unit/package unit stage list:

The existing field *Carrier* displays the proposed carrier from the respective stage. It's semantic has been changed:

- If the respective stage was already assigned to a capacity document, the carrier of the top-most capacity document is displayed.
- Otherwise, if a carrier is defined on the stage, this carrier is displayed.
- Otherwise, if a carrier is defined on document header level, this carrier is displayed.
- Otherwise, the carrier remains empty.

The following fields are now available in the field catalog:

- *Carrier (Document)* (editable)
- *Carrier (Document) (Description)* (read-only)
- *Carrier (Stage)* (read-only)
- *Carrier (Stage) (Description)* (read-only)
- *Carrier (Assigned Freight Document)* (read-only)
- *Carrier (Assigned freight Document) (Description)* (read-only)
- *Origin of Entry (Carrier, Document)* (read-only)

Freight unit stage hierarchy and combined freight unit/package unit stage hierarchy:

The existing field *Carrier* displays the carrier depending on the respective hierarchy level (document, stage, or capacity document). This field has been made editable on freight unit (document) level. The field remains read-only for the other levels.

The following fields are now available in the field catalog:

- *Carrier (Assigned Freight Document)* (read-only)
- *Carrier (Assigned freight Document) (Description)* (read-only)
- *Origin of Entry (Carrier)* (read-only)

Consignment order list and hierarchy as well as freight order list and hierarchy:

The existing field *Carrier* in the consignment order list displays the proposed carrier from the document header. If the consignment order was already assigned to a capacity document, the carrier of this capacity document is displayed. This field has been made read-only to ensure compatibility with other lists.

The existing field *Carrier* in the consignment order hierarchy displays the carrier depending on the respective hierarchy level (document, stage, or capacity document). It has been made editable on consignment order (document) level. The field remains read-only for the other levels.

The following fields are now available in the field catalog:

- *Carrier (Document)* (editable) in the consignment order list
- *Carrier (Document) (Description)* (read-only) in the consignment order list
- *Carrier (Assigned Freight Document)* (read-only) in the consignment order list and hierarchy
- *Carrier (Assigned freight Document) (Description)* (read-only) in the consignment order list and hierarchy
- *Origin of Entry (Carrier, Document)* (read-only) in the consignment order list and hierarchy, the road freight order list and hierarchy, and the freight order/freight booking list

For all these new fields, a quick view shows when you hover over these fields. Further, you can navigate to the carrier data using a hyperlink or the context menu.

Further, a button, [Document Mass Change](#), has been made available in the freight unit stage list and hierarchy as well as the combined freight unit/package unit stage list and hierarchy. It allows you to change the carrier for several freight units. Note that you need to activate this button in your page layout.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	TM - PLN - MP (Manual Planning); TM - PLN - TC (Transportation Cockpit)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

12.3.2.6 Creation of Split Rests During Scheduling

Business Details

This feature enables you to create split rests during scheduling.

Scheduling can now create split rests if you have allowed rests to be split in two in your driving and working constraint profile in Customizing.

Scheduling can create split rests only if it can exploit an existing unavailability due to a factory calendar, shift sequence, or idle time. By placing the first rest into such an existing break or idle time, scheduling can reduce the total duration of the freight order.

Implementation Details

You need to select scheduling strategy [Scheduling \(Embedded\)](#) (VSS_EMBED) in the scheduling settings for the system to consider driving time and working hours constraints during scheduling.

Customizing

You need to allow rests to be split in your driving and working constraint profile in Customizing and need to indicate the minimum duration of the split rests. For more information, see Customizing for [Transportation Management](#) under [► Planning ► General Settings ► Define Driving and Working Constraint Profile ►](#).

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	TM - PLN - SCH (Scheduling)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Considering Driving Time and Working Hours Constraints](#)

12.3.2.7 Enhancements for Load Planning and Load Consolidation

Business Details

With this feature, you can configure both your own toolbars in the 3D load plan and the colors to be used for snapping objects to the x, y, or z axis. Additionally, there are improved actions for manual load planning. Finally, you can now control the use of the new generic interface for the load planning optimizer.

The following new functions are available:

- You can now configure your own toolbars for the 3D load plan in Customizing. You can select the items that you want the toolbar to contain, such as buttons or button choices, from a list of predefined actions and specify the sequence in which they are to be displayed. To change the button texts displayed in the 3D load plan, you can modify the description of the actions in the [Actions](#), [Toolbar Items](#), and [Toolbar Subitems](#) views.
- In Customizing, you can now define the colors that the system uses when snapping objects to the x, y, or z axis.
- In your 3D load plan, you can now arrange items flat or in stacks, lift them up and drop them down again. You can align, mirror, or swap them. Actions such as positioning, selecting, and deselecting items can now be performed for multiple items simultaneously. You can select all items with the same source location, destination location, product, row, or stack.
- In Customizing, you can now control the use of the new generic interface for load planning optimizer. This interface is a prerequisite for using the optimizer engine [Free Positioning](#).

Implementation Details

Customizing

To use the improved actions in the 3D load plan, you need to activate manual load planning by selecting the checkbox *Enable Manual Load Planning* in Customizing for *Transportation Management* under ► *Basic Functions* ► *Load Planning* ► *Define Layouts for 3D Load Plan* ►.

The following has been added to the Customizing activity for defining layouts for your 3D load plan:

- Views:
 - *Actions*
 - *Toolbar*
 - *Toolbar Items*
 - *Toolbar Subitems*
- Objects on the *Colors* view:
 - *Snap X Axis*
 - *Snap Y Axis*
 - *Snap Z Axis*

For more information, see Customizing for *Transportation Management* under ► *Basic Functions* ► *Load Planning* ► *Define Layouts for 3D Load Plan* ►.

For controlling the use of the new generic interface for the load planning optimizer, a checkbox, *Use New Generic Interface for Load Planning Optimizer*, has been made available. For more information, see Customizing for *Transportation Management* under ► *Basic Functions* ► *General Settings* ► *Define General Settings for TM* ►.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	TM - LP (<i>Load Planning</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Load Planning](#)
[Load Plan](#)
[Automatic Load Planning](#)

12.3.2.8 Enhancements for Advanced Shipping and Receiving

Business Details

With this feature, several functions for Advanced Shipping and Receiving have been enhanced.

The following functions have been added:

- TM Updates for Unpacked Products with Actual EWM Weight and Volume**
When in Extended Warehouse Management (EWM) the weight and volume information for **unpacked products** in an outbound delivery order item is adjusted, the corresponding documents in Transportation Management (TM) are updated with the **actual** EWM weight and volume.
Before, weight and volume updates for unpacked product items were calculated based on the material master data. The actual weight and volume information from EWM was only sent for handling units (HUs), not for unpacked EWM products. Therefore, the total quantity of the distributed weight and volume could differ between EWM and TM.
The TM documents are updated accordingly, after the *Ready for Shipping* status is set in EWM. The updated weight and volume are sent on product item level and on handling unit header level.
- Adv. SR Inbound Process for Rail Freight Orders: Update of Predecessor Documents**
The Advanced Shipping and Receiving inbound process for rail freight orders now supports the synchronization of predecessor documents.
In the rail freight order, you can, for example, change deviating quantities, add or remove products and packages that need to be adjusted due to deviating papers on arrival. The corresponding documents such as freight units and inbound deliveries are updated accordingly.
As a prerequisite, you need to enable the synchronization of predecessor documents in Customizing for Transportation Management. You do this in the *Basic Settings* section of your freight order type with transportation mode *02* (Rail).
- Enhancements for Multimodal Transportation for Shippers**
For more information, see the What's New document for [Enhancements for Multimodal Transportation for Shippers \[page 322\]](#).

Technical Details

Type	Changed
Functional Localization	No localization

Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	TM - FRM - ASR (Advanced Shipping and Receiving) TM - FRM - FRO (Freight Order Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Ocean Freight Bookings for Shippers \(Outbound\)](#)
[Air Freight Bookings for Shippers \(Outbound\)](#)
[Advanced Shipping and Receiving](#)

12.3.2.9 Enablement of Supply to Customer nJIT Integration

Business Details

With this feature, you can create freight units (FU) based on outbound deliveries from Delivery Management (LE-SHP) for supply-to-customer (S2C) nJIT calls.

Though the component group materials in an S2C call are reflected as items in the outbound delivery, TM creates FUs for the component group materials. FUs are updated whenever you make changes to the outbound delivery and include the S2C call reference number, slot number, unloading point, and delivery address from the ship-to-party business partner.

When the supplier sends the customer the advanced shipping notification (ASN), the ASN communicates the component group materials.

Implementation Details

Customizing

BAdI [Definition of Data for Printing and Checking for Dangerous Goods](#) (/SCMTMS/BADI_EHS_DG) has been enhanced with new methods and an example implementation that enable you to perform dangerous goods checks for component group materials from a JIT call.

For more information, see Customizing for **Transportation Management** under [Basic Functions](#) [Dangerous Goods](#) [Integration with PS&S](#) [BAdI: Definition of Data for Printing and Checking for Dangerous Goods](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	TM-INT-LI-JIT-S2C (Integration with nJIT Supply-to-Customer)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Integration of Next Generation Just-In-Time](#)

12.3.2.10 Integration of Decentralized EWM and TM with GTS

Business Details

This feature enables you to integrate decentralized Extended Warehouse Management (EWM) and Transportation Management (TM) with SAP Global Trade Services (GTS). Integration between these two systems supports the execution of the outbound, or export, process. It enables you to conduct compliance checks for freight units and freight orders and complete export declaration for consignments and freight orders.

Implementation Details

To integrate your decentralized EWM and TM system with SAP GTS, a number of Customizing settings are required. You must configure activities that influence operations such as the activation of compliance checks, selection of output options, selection of customs profiles, and activation of automatic compliance messages.

Customizing

The following activities must be customized:

- Define Logistics Integration Profile for EWM
- Define Transportation Relevance of Sales Documents
- Define Freight Unit Types
- Define Freight Order Types
- Define Freight Order Types
- Define Consignment Order Types
- Define Customs Activities and Profiles

For more information, see the following:

- Customizing for Transportation Management under Integration Logistics Integration Decentralized EWM-TM Integration
- Customizing for Transportation Management under Freight Order Management Freight Order
- Customizing for Transportation Management under Freight Order Management Consignment Order
- Customizing for Transportation Management under Basic Functions Global Trade Services
- Customizing for Transportation Management under Planning
- Customizing for Transportation Management under Freight Order

Effects on Existing Data

Menu options *Create Customer Invoice* and *Cancel Customer Invoice* have been removed from the *Follow Up* drop-down menu in freight orders and consignment orders.

In order for decentralized EWM and TM to be integrated with SAP GTS, the system must send data relevant to the customs process from LE to TM. To send this data to TM, the system transfers the data from Delivery Management (LE-SHP) to EWM, then transfers the data again from EWM to TM. To enable this process, new fields for the relevant data have been added to EWM structure /SCWM/SPE_BAPIOBDLVITM.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable

Application Component	TM - INT - LI - EWM (<i>Advanced Shipping and Receiving-Based Integration with EWM</i>) SCM - EWM - DLP - INT (<i>Integration</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[SAP GTS Integration in Decentralized EWM and TM](#)

12.4 Advanced Order Promising

12.4.1 Backorder Processing (CA-ATP-BOP)

12.4.1.1 First Come First Served (FCFS) in Backorder Processing (BOP)

Business Details

With this feature, the system ensures that the availability check gives priority to earlier sales documents and stock transport orders even when later orders are altered..

Technical Details

Type	New
Functional Localization	No localization
Scope Item	1JW (Advanced Available-to-Promise Processing)
Technical Object Name	Not applicable
Application Component	CA - ATP - BOP (<i>ATP: Backorder Processing</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition

Related Information

[First Come First Served \(FCFS\) in BOP](#)

12.4.2 Interactive Backorder Processing (CA-ATP-IAB)

12.4.2.1 New App: Manage Confirmations for Backorders

Business Details

Interactive Backorder Processing (IBOP) allows users to adjust the confirmations of multiple requirements based on specific business needs.

Key Features:

- Requirement selection options: Users can select requirements using various options:
 - BOP segment: Specify a BOP segment to filter requirements.
 - Upload file: Use a pre-defined template to upload requirements in bulk.
 - User-defined selection: Define selection and exclusion criteria based on document characteristics, with the option to save these criteria for future use.
- Worklist management: Once requirements are selected, they are displayed in a worklist table. This table includes essential details such as processing status, material, plant, and requested delivery date. Users can modify the displayed worklist by adding or removing requirements as needed.
- Sorting and filtering: Users can define sort conditions to organize worklists based on specific attributes. This ensures that the most relevant requirements are prioritized. Additionally, users can apply filter conditions to streamline the displayed requirements.
- Confirmation status management: The app offers various options for modifying confirmations, including using BOP strategies or making manual changes. Users can view confirmation statuses through intuitive icons. These icons indicate whether a requirement is fully confirmed, partially confirmed, or not confirmed at all.
- Publishing changes: After modifications, users can publish changes to apply updates to the requirements. There are options to discard changes selectively or to discard the entire worklist if needed.

Technical Details

Type

New

Functional Localization	No localization
Scope Item	1JW (Advanced Available-to-Promise Processing)
Technical Object Name	App ID: F8278
Application Component	CA - ATP - IAB (<i>ATP: Interactive Backorder Processing</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Manage Confirmations for Backorders](#)

12.4.3 Product Availability Check (CA-ATP-PAC)

12.4.3.1 Temporary Quantity Assignment Handling

Business Details

With this feature, you can move quantities between requirements or backorders processed manually and in doing so, prevent any unrequired, released quantities from being used to confirm parallel external requirements

In previous releases, when availability for a requirement was rechecked for a lower than previously confirmed requested quantity, the temporary quantity assignments for the originally confirmed, higher quantity were released and could be used for other concurrent requirements. With this release, this behavior has now changed: released quantities can only be used for requirements within the same session and external requirements must respect additionally reserved quantities only.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)

Technical Object Name	Not applicable
Application Component	CA - ATP - PAC (<i>ATP: Product Availability Check</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Temporary Quantity Assignments](#)

12.5 Extended Service Parts Planning

12.5.1 Lead Time Prediction

Business Details

With this feature, you can calculate future transport durations between locations based on transport durations from the past and update existing transportation lane master data with the calculated transport durations. The possibility to predict transport durations leads to an improved eSPP planning quality (fewer late deliveries) and better safety stock recommendations.

In eSPP the lead times which occur between suppliers and entry locations (deliveries) or between the locations of a BOD (STOs) are based on various lead time components. Each lead time component refers to specific master data fields.

The transportation lane field *Transport Duration* is one of these master data fields. In eSPP standard this field refers to lead time component C6. It can be found in the transportation lane maintenance transaction (transaction /SAPAPO/SCC_TL1) on the means of transport screen (DB table /SAPAPO/TRM, field DURAT).

With the functionality *Lead Time Prediction* you can calculate future transport durations based on historical transport durations which were saved in the eSPP Inbound Monitor. It is considered an AI/ML (Artificial Intelligence / Machine Learning) functionality.

The eSPP Inbound Monitor provides the historical transport durations which are needed to do the lead time prediction.

The prediction itself can be done with the PSM planning service "SPP: Lead Time Prediction" (SPP_LEAD_TIME_PREDICTION) and selection type "Transportation Lane" (PE_LANE). This selection type offers the selection fields *Start Location*, *Destination Location* and *Means of Transport*.

The selection field *Means of Transport* refers to the SAP S/4HANA transportation lane master data. The eSPP Inbound Monitor uses its own means of transport that can be found in Customizing for *Extended Service Parts Planning* under ► *Monitoring* ► *Inbound Delivery Monitor* ► *Define Means of Transport* ►. A mapping of SAP

S/4HANA's means of transport and Inbound Monitor's means of transport is therefore needed. It can be done in Customizing for *Extended Service Parts Planning* under ► *Lead Time Prediction* ► *Mapping MOTs S/4 Master Data – Inbound Monitor* ►.

The package creation method LANE_SIMPLE can be used.

Based on the PSM selection the planning service “SPP: Lead Time Prediction” reads historical data from the eSPP Inbound Monitor and uses the ARIMA algorithm of the HANA PAL library to do the prediction. The Forecasting periodicity which is maintained in Customizing for *Extended Service Parts Planning* under ► *Basic Settings* ► *Determine Forecast Periodicity is considered* ►. The prediction is done for the current month only. The PSM service is enabled for parallel processing and it is not assigned to any triggers. It does not consume or create any triggers.

The prediction results are saved in database table /SAPAPO/LTPDURAT. They can be deleted from this table with report /SAPAPO/SPP_LTPDURAT_DELETE.

eSPP planners may approve the prediction results and update the transportation lane master data field *Transport Duration* with the predicted values whenever it makes sense from their point of view. This can be done in the *Manage Lead Time Predictions* [page 341] Fiori App which can be called from the eSPP Fiori Launchpad.

Since this feature uses the Predictive Analysis Library (PAL) to carry out the forecast calculation, the requirements to run PAL procedures apply here as well. According to that, one of the following roles has to be assigned for the user:

AFL__SYS_AFL_AFLPAL_EXECUTE

AFL__SYS_AFL_AFLPAL_EXECUTE_WITH_GRANT_OPTION

On top of that, the user must possess the role AFLPM_CREATOR_ERASER_EXECUTE
- as the eSPP implementation uses "SYS" .AFLLANG_WRAPPER_PROCEDURE_CREATE and
"SYS" .AFLLANG_WRAPPER_PROCEDURE_DROP wrapper procedures.

Implementation Details

Customizing

The service profile for the planning service “SPP: Lead Time Prediction” (SPP_LEAD_TIME_PREDICTION) can be created in Customizing for *Extended Service Parts Planning* under ► *Lead Time Prediction* ► *Define Service Profile for Lead Time Prediction* ►.

In the service profile you can maintain the number of historical periods which should be considered in the Lead time Prediction service.

A mapping of S/4HANA's means of transport and Inbound Monitor's means of transport can be done in Customizing for *Extended Service Parts Planning* under ► *Lead Time Prediction* ► *Mapping MOTs S/4 Master Data – Inbound Monitor* ►.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	SCM - APO - SPP
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Lead Time Prediction](#)

[Manage Lead Time Predictions](#)

[PSM Services for Lead Time Prediction](#)

12.5.2 Manage Lead Time Predictions

Business Details

This Fiori App enables you to manage lead time predictions by approving or rejecting transportation duration values which were calculated by the eSPP PSM service `SPP_LEAD_TIME_PREDICTION`.

The Fiori App displays both current transportation duration master data values and predicted values with an SAP Fiori Elements List Report.

A Fiori Object Page displays the underlying historical eSPP Inbound Monitor data (deliveries) as charts and as a table. It is to help the user to make an approve/reject decision.

If you approve a predicted value in the Fiori App, the transportation lane master data field [Transportation Duration](#) (DB table `/SAPAPO/TRM`, field `DURAT`) of the concerned start location – destination location – means of transport combination is updated with the predicted value at the same time. The currently existing master data value is overwritten.

When using the approval functionality, the master data change documents for transportation lanes should be switched on in Customizing for [Extended Service Parts Planning](#) under  [Master Data](#)  [Transportation Lane](#)  [Activate Change Documents](#) , so that the changes (old and new values) are recorded.

After the approval of predicted transportation durations, the approved durations will be used in the eSPP planning functionalities.

The eSPP standard triggers for master data changes are created when performing the approval functionality.

Implementation Details

Authorizations

For the destination location, the Fiori App uses the authorization object ESPP_DRP with field APO_LOC.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: F8059
Application Component	SCM - APO - SPP
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Manage Lead Time Predictions](#)

12.5.3 Simulation within Extended Service Parts Planning

Business Details

This feature enables you to simulate planning processes within Extended Service Parts Planning (eSPP) to test settings and parameters. You can change and optimize planning parameters and simulation version data, such as target service levels and inventory holding costs without affecting productive data.

Technical Details

Type	English
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	SCM-AP0-SPP
Availability	SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Simulation within Extended Service Parts Planning](#)

12.5.4 Display Application Logs – eSPP

Business Details

This Fiori app enables the display of application log for eSPP related functions.

The app reuses the component of [Application Log](#) app.

Implementation Details

Authorizations

To access this app you must have the minimum authorization delivered with the business role template SAP_BR_DATA_MAINT_SPP ([Planning Data Specialist - Service Parts](#)).

Technical Details

Type	English
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Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: F8051
Application Component	SCM-AP0-SPP
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Display Application Logs – eSPP](#)

12.5.5 Manage Mass Maintenance – eSPP Data

Business Details

With this app, you can maintain Master Data parameters for multiple business objects in a single view. The list of business objects appears on the left side, while the editing table view is on the right. You can use detailed filter options for each business object to restrict the data you want to edit. After changing the parameters, you can update the data with a single save function. This app also offers additional functions to edit multiple entries and copy and paste multiple rows to change parameters. The download feature lets you download selected data, which you can use for uploading data with the [Manage Mass Processing - eSPP Data](#) app.

Below are the list of business objects that you can edit using the Fiori app [Manage Mass Maintenance - eSPP Data](#):

- Location Master data
- Product Location Master Data
- Transportation Lane Source of Supply
- Transportation Lane Means of Transport
- Transportation Lane Means of Transport Product

Implementation Details

Authorizations

To access this app you must have the minimum authorization delivered with the business role template SAP_BR_DATA_MAINT_SPP ([Planning Data Specialist - Service Parts](#))

Technical Details

Type	English
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: F7729
Application Component	SCM-AP0-SPP
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Manage Mass Maintenance – eSPP Data](#)

12.5.6 Manage Mass Processing – eSPP Data

Business Details

With this app, users can upload master data parameters for multiple business objects. You can select a business object and a planning version to upload numerous changes simultaneously. This app provides you a two-step process to simulate and validate the data. The first step validates the data, and the second step updates it using an execution button.

Additionally, the app provides detailed logs for data validation and execution. This feature allows you to analyze and rectify any errors in the file.

Below are the list of Business objects that can be editable using the [Manage Mass Maintenance - eSPP](#) app:

- Location Master data
- Product Location Master Data
- Transportation Lane Source of Supply
- Transportation Lane Means of Transport
- Transportation Lane Means of Transport product

Implementation Details

Authorizations

To access this app you must have the minimum authorization delivered with the business role template SAP_BR_DATA_MAINT_SPP ([Planning Data Specialist - Service Parts](#))

Technical Details

Type	English
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: F7733
Application Component	SCM-AP0-SPP
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Manage Mass Processing – eSPP Data](#)

12.5.7 Manage Planning Versions – eSPP

Business Details

With this app, you can create, change, and delete planning versions in the eSPP system. The app creates new planning versions and copies relevant data, including master and transactional data. You can also use the app to display and copy existing planning versions in the system. This feature is useful for simulating different scenarios.

You can create planning versions specific to certain location product data based on the selection profile.

Implementation Details

Authorizations

To access this app you must have the minimum authorization delivered with the business role template SAP_BR_DATA_MAINT_SPP ([Planning Data Specialist - Service Parts](#))

Customizing

You can maintain the version profile for planning version in Customizing for [Extended Service Parts Planning](#) under [Basic Setting](#) > [Simulation](#) > [Define Version Profile](#).

You can maintain the service profile for copying transactional data in Customizing for [Extended Service Parts Planning](#) under [Basic Setting](#) > [Basic Setting](#) > [TDL:Define Service Profile for Copying Transactional Data](#).

Technical Details

Type	English
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: F7998
Application Component	SCM-AP0-SPP
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Manage Planning Versions – eSPP](#)

12.6 Country/Region Specifics

For country/region-specific changes, please see [What's New for Functional Localizations in SAP S/4HANA](#).

13 Integration

13.1 Business Network Integration

13.1.1 Integration with SAP Ariba Applications

13.1.1.1 Guided Buying for Central Procurement with SAP Ariba Buying (3EN)

Business Details

With this feature, the street fields, **Street 2** and **Street 3** from the 3EN (Guided Buying for Central Procurement with SAP Ariba Buying) purchase requisition are replicated and are available in the central system purchase requisition. You can view them using the [Create Purchase Requisition - Advanced](#) app.

Note

This feature is available from SAP S/4HANA 2023. For more information, refer to [3506646](#) .

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	3EN (Guided Buying for Central Procurement with SAP Ariba Buying)
Technical Object Name	Not applicable
Application Component	BNS - INT - ARI (Ariba Integration with SAP S/4HANA)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Guided Buying for Central Procurement with SAP Ariba Buying \(3EN\)](#)

13.2 Integration with Industry Cloud Solutions from SAP

13.2.1 Business Object Data Available for Replication to Industry Cloud Solutions

Business Details

This feature enables you to replicate business object data (for example, master data, transaction data, or configuration data) from SAP S/4HANA to data ingestion for industry cloud solutions for consumer industries.

The list of supported entities has been enhanced as follows:

Supported Entity (Data Ingestion for Industry Cloud Solutions)	Business Object Type	Corresponding Outbound Implementation	Outbound Implementation Description	Application Component
sap.cic.billofmaterial.BillofMaterial	6112	CIC_BOM	<i>Bill of Material (Industry Cloud Solutions)</i>	CA - ICS - INT - MD - PRD (Product)
sap.cic.common.documentflow.DocumentFlowEntry	4054	CIC_DOCFLW	<i>Document Flow Entry (Industry Cloud Solutions)</i>	CA - ICS - INT - SLS (Sales)
sap.cic.common.LogisticalRoundingProfileCodes	3679	CIC_LRP	<i>Logistical Rounding Profile (Industry Cloud Solutions)</i>	CA - ICS - INT - BC (Basis Components)
sap.cic.common.LogisticalRoundingRuleCodes	6520	CIC_LRRC	<i>Logistical Rounding Rule (Industry Cloud Solutions)</i>	CA - ICS - INT - BC (Basis Components)
sap.cic.customerorder.CustomerOrderTypeCodes	4060	CIC_COTC	<i>Customer Order Type (Industry Cloud Solutions)</i>	CA - ICS - INT - SLS (Sales)
sap.cic.customerorder.CustomerOrderItemTypeCodes	4056	CIC_COITC	<i>Customer Order Item Type (Industry Cloud Solutions)</i>	CA - ICS - INT - SLS (Sales)

Note

For more information about which entity versions are supported by which release, see SAP Note [3261630](#) .

Implementation Details

Document Flow Entry

To replicate **document flow entry** data, ensure that you have read the topics [Enhanced Filter Concept for Document Flow Entry](#) and [Activating Event Type Linkages](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	See table above.
Valid as Of	2023 FPS03

Related Information

[Integration with Industry Cloud Solutions from SAP](#)

13.3 Country/Region Specifics

For country/region-specific changes, please see [What's New for Functional Localizations in SAP S/4HANA](#).

14 Country/Region Specifics

For country/region-specific changes, please see [What's New for Functional Localizations in SAP S/4HANA](#).

15 Industries

15.1 Consumer

15.1.1 Agriculture

15.1.1.1 SAP Agricultural Contract Management

15.1.1.1.1 Performance and Usability Improvements in Contract and Pricing Fiori Apps

Business Details

With this feature, performance and usability improvements have been delivered in the [Maintain ACM Trading Contracts](#), [Approve ACM Trading Contracts](#) and [Maintain ACM Pricing](#) Fiori apps to enhance the efficiency of search help and the display of pricing information for contracts. This is achieved by implementing lazy loading, where pricing details are loaded as needed, resulting in improved performance and lesser delays.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	LO-AGR-CC (Commodity Contracts, Expenses, Basic Functions)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.1.1.1.2 Load-Out Matching Improvements

Business Details

With this feature, several performance improvements have been delivered in the manual application workcenter to improve the usability of the load-out matching and third-party storage matching processes. These improvements enhance the efficiency of the load-out matching process by adding more extensibility options and additional fields to the load-out matching workcenter, resulting in a more automated matching process.

Key improvements include the ability to automatically determine DPQS schedules based on material, commodity, and plant, as well as the display of LDC details in the load-out/match-out application documents and list of matches for commingled application documents (CADs) or accrual application documents (AADs).

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	L0 - AGR - APP (<i>Application and Call-off</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.1.1.1.3 Enhancements in the Application Collation Process to Restore Origin and Destination Weights

Business Details

With this feature, enhancements have been delivered in the application collation process to significantly reduce rework if an application item has been split using the wrong weights. In ACM, splitting an application document carries forward either origin or destination weights. Previously, if you decided to collate back to a single item after a split, only one side of weights was carried forward, depending on the side chosen during the split.

With this feature, you can now restore both origin and destination weights back to the application item when it is collated back to the parent item. This ensures that the application item can be applied to either a weights-origin or weights-destination contract, resulting in better usability and reporting.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	No localization
Technical Object Name	Not applicable
Application Component	LO-AGR-APP (Application and Call-off)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.1.2 Consumer Products

15.1.2.1 Last Mile Distribution

15.1.2.1.1 Download and Upload of Specific Batch Information (Mobile Scenario)

Business Details

With this feature, drivers can download and upload route data that contains specific batch information about products assigned to deliveries or that are required for van sales.

On completion of an individual stop or after completion of the entire route, to ensure the traceability of batch-managed products, batch numbers that differ from the originally planned batches and batch numbers of unplanned products can be recorded on a mobile device and uploaded to the back end.

Implementation Details

The [Mobile Data for Last Mile Distribution](#) service (LMD_MA) is used to download and upload route information that is required and recorded by drivers during route execution, including information related to batch-managed products. For general information about this service, see [Mobile Data for Last Mile Distribution](#) in the API documentation.

If you already use the OData service [Mobile Data for Last Mile Distribution](#) (LMD_MA) based on the mobile application for release SAP S/4HANA 2023 FPS02 and you want to use the mobile application for SAP S/4HANA 2023 FPS03, you need to change some property settings. For more information, see [Manual Steps Required After BC Set Activation](#).

Authorizations

For general information about the authorizations that are relevant for the download and upload of route data, see [Mobile Data for Last Mile Distribution](#) in the API documentation under *Authorization Details*.

Effects on Existing Data

When information about deliveries that contain batch-managed products is uploaded, in the `DocumentItem` entity, the `Batch` property is mandatory in the following cases:

- Unplanned products have been added to a route.
- The delivery document item for a planned return delivery does not contain any batch information.

For more information about the use cases in which the `Batch` property is **mandatory** in upload requests, see the API documentation:

- [Upload Use Cases: Deliveries](#)
- [Upload Use Cases: Check-Out](#)
- [Upload Use Cases: Check-In](#)

Note

If generic batch handling is used, the `Batch` property is **optional**.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	API: LMD_MA
Application Component	LE - LMD (Last Mile Distribution)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Tracking and Processing of Specific Batches During Route Stock Management and Settlement \[page 356\]](#)

15.1.2.1.2 Tracking and Processing of Specific Batches During Route Stock Management and Settlement

Business Details

This feature enables you to manage and track batches separately from other subsets of the same product, ensuring efficient inventory management and, if necessary, accurate product recalls.

With this feature, you can quickly identify batch numbers assigned to products delivered to customers or sold on van sales routes. As a result, products with quality issues are handled efficiently and return processes are simplified. Batch management using specific batch numbers is relevant in multiple scenarios, such as deliveries, return deliveries, stock transfers, and ad-hoc sales in both a paper-based and mobile scenario. For more information, see [Batches](#).

By introducing the use of specific batches, Last Mile Distribution now supports standard batch management functionalities. Previously, only generic batches were supported.

For more information about generic batches, see [Generic Batch Handling](#).

Implementation Details

For general information about implementing the [Settle Route Data](#) app, go to [SAP Fiori Apps Reference Library](#).

To use the standard functionalities of batch management, you have to make the following settings:

- Define batch-managed products in the master data. For more information, see [Batch Number Assignment](#).
- Specify the batch level for batches. For more information, see [Batch Level](#).

Effects on Existing Data

Specific batch information is now available during route assembly. Additionally, route data that contains deliveries with specific batch information can be downloaded to and uploaded from mobile devices. For more information, see [Download and Upload of Specific Batch Information \(Mobile Scenario\)](#) [page 354].

The [Settle Route Data](#) app has been enhanced in the following ways:

- A [Batch](#) column has been added to the product tables on the [Check-Out](#), [Visits](#), [Check-In](#), and [Differences](#) tabs.
- The app now visualizes batch splits when a product is split into multiple batches on the [Check-In](#) and [Visits](#) tabs.

Technical Details

Type	New
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Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: F4242
Application Component	LE - LMD (<i>Last Mile Distribution</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Batch Management \(LO-BM\)](#)
[Settle Route Data](#)

15.1.2.1.3 Assignment of Deliveries to Routes to Fulfill Rush Orders in a Paper-Based Scenario

Business Details

With this feature, in a paper-based scenario, you can add last-minute deliveries for rush orders to the load of a vehicle for a planned route after initial check-out.

When additional customer deliveries are required to complete a route, for example, to fulfill rush orders, in a **paper-based scenario**, a transportation manager can create a reload request by using the [Manage Reload Requests](#) app. The reload request contains information about the products that belong to the customer delivery which are to be loaded and the reload stop. After the reload request has been released, the system assigns the delivery to the reload request and adds the reload stop (either an existing stop or a new stop) to the route. For more information about the end-to-end process, see [Reload Request Processing](#).

Implementation Details

For general information about implementing the [Manage Reload Requests](#) app, go to [SAP Fiori Apps Reference Library](#).

Authorizations

SAP provides the template business role SAP_BR_TRANSPRT_MNGR_LMD (*Transportation Manager - Direct Distribution*). To use the [Manage Reload Requests](#) app, the relevant role must be assigned to users on the front-end server and the back-end server.

Authorizations to perform specific activities related to reload requests must be maintained and assigned to the related transportation manager user role (transaction PFCG). For more information, see [Authorizations for the Manage Reload Requests App](#).

Customizing

The following settings are required for processing reload requests related to customer deliveries:

- You define number ranges for reload requests in Customizing for [Logistics Execution](#) under ► [Last Mile Distribution](#) ► [Reload Request Management](#) ► [Define Number Ranges for Reload Requests](#) ►.
- You configure reload request types in Customizing for [Logistics Execution](#) under ► [Last Mile Distribution](#) ► [Reload Request Management](#) ► [Configure Reload Request Types](#) ►.

Note

In a **paper-based scenario**, only the processing of reload requests related to customer deliveries is supported. In this scenario, the reload request type of a reload request must not allow products for van sales to be added to the reload request and no load requests must exist for the corresponding route.

- You configure the behavior for reload check-in and reload check-out in Customizing for [Logistics Execution](#) under ► [Last Mile Distribution](#) ► [Basic Settings](#) ► [Define Behavior for Check-Out / Check-In](#) ►.
- Optional: You can configure the automatic settlement of check-out and check-in stops, which includes reload check-in and reload check-out stops, in Customizing for [Logistics Execution](#) under ► [Last Mile Distribution](#) ► [Route Settlement](#) ► [Configure Automatic Settlement](#) ►.

Effects on Existing Data

In the [Manage Reload Requests](#) app, you must create a reload request of the appropriate type. In a paper-based scenario the reload request type of a reload request must not allow products for van sales to be added to the reload request and no load requests must exist for the corresponding route.

Under [Customer Deliveries](#), you can specify the deliveries to be added to the route by choosing [Create](#) and then entering the following information about the deliveries:

- [Delivery](#)
- [Preceding Stop](#)

Customer deliveries that are added to a reload request are stored as reload request deliveries. A reload request delivery contains the ID of the corresponding delivery document and a reference to the preceding stop of the reload stop. A delivery can be assigned to an existing stop, if a visit is already planned for the relevant customer, or a new visit for the delivery can be added to the route. For more information about creating reload requests, see [Create a Reload Request](#).

Technical Details

Type	New
Functional Localization	No localization

Scope Item	Not applicable
Technical Object Name	App ID: F4745
Application Component	LE - LMD (<i>Last Mile Distribution</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.1.2.1.4 Update of Route Information Based on Changes to Outbound Deliveries

Business Details

With this feature, after a route has been assembled, it is possible to transfer any changes that have been made to the delivery items in an outbound delivery to the delivery documents that were already assigned to the route by sending a SOAP message.

To support reloading operations, a transportation manager can create a reload request that contains information about the products for van sales and/or customer deliveries that are required to complete a route. After the reload request has been released, in Delivery Management (LE-SHP), the item data in the outbound delivery, that is, the information that is used at the warehouse during picking, is adapted accordingly, for example, by using the [Change Outbound Delivery](#) app (transaction VL02N). The following types of changes can then be sent to Last Mile Distribution in a SOAP message:

- Changes to planned delivery item data, for example, product quantity, batch ID, or unit of measure
- Creation of a new delivery item for a planned delivery
- Deletion of a planned delivery item

As a result, both the delivery data at (reload) check-out and the customer delivery are up to date.

For more information about the end-to-end process, see [Route Update Based on Changes to Outbound Deliveries](#).

Implementation Details

Authorizations

Technical users must be created and the authorizations must be assigned to specific PFCG roles to call the relevant SOAP service that is used to send data to Last Mile Distribution when changes are made to outbound deliveries in Delivery Management.

For more information, see [Set Up Authorizations for SOAP Services \(LE-SHP to LMD\) for Route Update](#).

Customizing

- You specify for which shipping points and/or delivery types route update is triggered when changes are made outbound deliveries in Customizing for *Logistics Execution* under ► *Last Mile Distribution* ► *Integration* ► *Integration with Logistics Execution* ► *Shipping* ► *Specify Delivery Types for Route Update* ►.
- You set up the SOAP service that is called to update delivery documents assigned to routes in Last Mile Distribution based on changes made to outbound deliveries. For more information, see [SOAP Services for Route Update Based on Outbound Deliveries](#).

Effects on Existing Data

In a **mobile scenario**, after the delivery document or load request has been updated, the mobile data status of the route is set to *Open* and the updated route information can be downloaded to the mobile device.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	API: LMD_ON_OUTBDLV_UPD_TO_RT_IN
Application Component	LE - LMD (<i>Last Mile Distribution</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.1.2.1.5 Enhanced User Experience for Settlement Clerks Working with Route Data

Business Details

This feature provides multiple improvements in usability that make the work of settlement clerks easier and more efficient when processing route data.

When settlement clerks update and check route data by using the *Settle Route Data* app, they can now filter for and navigate to data more easily. For more information about the app in general, see [Settle Route Data](#).

Implementation Details

For general information about implementing the *Settle Route Data* app, go to [SAP Fiori Apps Reference Library](#).

Authorizations

For general information about the authorizations that are required for the *Settle Route Data* app, see [Authorizations for the Settle Route Data App](#).

Effects on Existing Data

The following changes have been made in the *Settle Route Data* app:

- In the route overview list, you can now filter routes by execution organization by choosing *Settings* and then selecting *Execution Organization*. The *Execution Organization* column is then visible in the list.
- Irrespective of which tab is displayed, you can now return to the list of routes from the navigation menu (*Route*) by choosing *Settle Route Data*.

Note

In the visit details on the *Visits* tab, the navigation menu is called *Visit* instead of *Route*.

- On the *Check-Out*, *Visits*, *Check-In*, and *Differences* tabs, you can now adjust the column width of tables to make optimal use of the available screen space.
- On the *Log* tab, you can now display invoices by choosing the link in the *Document Type* column.

Note

Users might need additional authorizations to choose the link in the *Document Type* column. For more information, see [Authorizations for the Settle Route Data App](#).

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: F4242
Application Component	LE - LMD (<i>Last Mile Distribution</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.1.3 Retail and Fashion

15.1.3.1 Fashion and Vertical Business

15.1.3.1.1 Configure Supply Protection Extension Rule - Fashion

Business Details

With this app, you can extend a supply protection object by creating a rule that

- Increases the so called "in plan" quantity by considering more than the matching time bucket.
- Considers additional time buckets when posting consumption.
- Introduces as a first-come, first-serve flavour for protection groups with equal priority.

You can then assign this new rule to existing supply protection rules in the **Manage Supply Protection** Fiori application to use the extended features. Also, you can assign the new extension rule to existing supply protection rules only if the *Restriction by Own Protection* field is set to *Restriction Outside Planned Protection* in the **Manage Supply Protection** Fiori application.

Implementation Details

Use the following business catalog, group, and role to access the corresponding apps from SAP Fiori home page:

Business Group	Business Catalog	Business Role
SAP_RFM_BCG_SUPPROT	SAP_RFM_BC_SUPPROTEXTNRULE	SAP_BR_ORDER_FUL-FILLMNT_MNGR_R

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: F8389
Application Component	L0 - RFM - SD (<i>Sales and Distribution for Retail & Fashion</i>)

Availability	SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Configure Supply Protection Extension Rule - Fashion](#)

15.2 Discrete Industries

15.2.1 Automotive

15.2.1.1 Maintaining Vehicle Assignments

Business Details

With this new feature Vehicle Management System (VMS) enables you assign vehicles to sales orders that have been placed using SAP Commerce, which is then analyzed and assigned to a vehicle that matches the order configurations.

Modifications of the vehicle assignments and unassigning vehicles from the sales orders can also be performed using the Maintain Vehicle Assignment app.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: F8261
Application Component	IS - A - VMS (Maintain Vehicle Assignments)
Availability	SAP S/4HANA
Valid as Of	2023 FPS03

15.2.1.2 Monitoring Vehicle Credit Status

Business Details

With this new feature Vehicle Management System (VMS) enables you access the credit status of the vehicles assigned to sales orders and enables you to check the credit history.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: F8524
Application Component	IS - A - VMS (Monitor Vehicle Credit Status)
Availability	SAP S/4HANA
Valid as Of	2023 FPS03

15.3 Energy & Natural Resources

15.3.1 Oil & Gas

15.3.1.1 Field Logistics

15.3.1.1.1 Enhancements for Process Receipts - Stock and Non-Stock Items Application

Business Details

This feature enables you to:

- Determine the Field Logistics supply processes for stock, non-stock, and service items from IW31/IW32 transactions. Field Logistics delivers a reference implementation of the BAdI **WORKORDER_UPDATE** to enable the same.

- Create batch with valuation type for stock items if the materials are batch and split-valuation managed using [Create Batch](#) action.
- Receive items into staging location for the single plant scenario.
- Receive consolidated items from the same supplier at base plant which includes stock, non-stock, free-text, and service items in the single purchase order.
- Receive items with alternate unit of measurement (UoM).
- Delete the serial numbers from serial number facet.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	40G (Field Logistics Planning and Execution) 50M (Field Logistics Planning and Execution-Direct Procurement) 4AH (Field Logistics Planning and Execution- Supplier Items)
Technical Object Name	App ID: F5316
Application Component	CA - FL - GR (Goods Receipt)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.3.1.1.2 Enhancements for Manage Logistics-Supplier Items Application

Business Details

This feature enables you to:

- View multiple open and confirmed warehouse tasks under the warehouse task facet.
- View additional milestones [Staged](#), [Dropped](#) and [Sent for Post Processing](#) (applicable only for single plant scenario) done for a Non-Stock/SERV item in the Milestones section.
- View additional statuses [Staged](#), [Dropped](#) and [Sent for Post Processing](#) (applicable only for a single plant scenario) for a Non-Stock/SERV item

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4AH (Field Logistics Planning and Execution- Supplier Items) 50M (Field Logistics Planning and Execution-Direct Procurement)
Technical Object Name	App ID: F5082
Application Component	CA - FL - SRV (<i>Services for Field Logistics</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.3.1.1.3 Enhancements for Pack Container Application

Business Details

This feature enables you to:

- Display the updated IM (Inventory Management) deliveries in case of delivery split done from backend transaction in the *Ready to Pack* tab.
- Display the updated IM deliveries in case of delivery split done from backend transaction in the *Kit* object page.

Note

The OBD (Outbound Delivery) must be a part of the *Kit*.

- Post goods issue and dispatch the split deliveries.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	6BA (Field Logistics Planning and Execution – Containers and Voyages)

Technical Object Name	App ID:F5786
Application Component	CA - FL - SG (<i>Shipping for Field Logistics</i>)
Availability	6BA (Field Logistics Planning and Execution – Containers and Voyages)
Valid as Of	2023 FPS03

15.3.1.1.4 Enhancements for Logistics Tracking Application

Business Details

This feature enables you to:

- Display the maintenance/network orders for the base plant along with the applicable milestones.
- Track the staging and dropping of the components.
- Track if the component is sent for post processing (single plant scenario).
- Track the delivery split components and their milestones. The milestone updates happen in an additional line created for the split quantity.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	6VA (Field Logistics Analytics)
Technical Object Name	App ID: F7382
Application Component	CA - FL - MT (<i>Material Tracking</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.3.1.1.5 Enhancements for Initiate Returns by Order Application

Business Details

This feature enables you to:

- [Return to Stock](#) and [Initiate Returns](#) for the maintenance/network orders that have the single plant setup.

Note

[Return to Stock](#) is applicable only for the stock items.

- [Return to Stock](#) and [Initiate Returns](#) for the items belonging to different orders in mass.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	40G (Field Logistics Planning and Execution)
Technical Object Name	App ID:F4682
Application Component	CA - FL - RET (Returns)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.3.1.1.6 Enhancements for Manage Kits Application

Business Details

This feature enables you to:

- View all the requirements of an order that has the single plant setup and perform [Stage](#), [Drop](#) and [Issue](#) of the kit items.
- [Stage](#) the items after receiving items into the main inventory.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	6BA (Field Logistics Planning and Execution – Containers and Voyages)
Technical Object Name	App ID: F8005
Application Component	CA - FL - SG (<i>Shipping for Field Logistics</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.3.1.1.7 Enhancements for Process Returned Items Application

Business Details

This feature enables you to :

- [Add Activity](#) and [Complete](#) the items belonging to maintenance/network orders that have the single plant setup.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	6BA (Field Logistics Planning and Execution – Containers and Voyages)
Technical Object Name	App ID: F7985
Application Component	CA - FL - SG (<i>Shipping for Field Logistics</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.3.1.1.8 Enhancements for Process Cross-Plant Receipts Application

Business Details

This feature enables you to:

- [Receive](#) and [Issue to Order](#) for all the delivery split items that are dispatched and [To be Recieved](#) in the [Process Cross-Plant Receipts](#) application.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	40G (Field Logistics Planning and Execution)
Technical Object Name	App ID: F4713
Application Component	CA - FL - RET (Returns)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.3.1.1.9 Enhancements for Intelligent Equipment Returns – Return Identification Framework

Business Details

This feature enables you to trigger the rules framework where rules are class-based or custom BRF+ application-based. Once the rule is successfully executed, the proposed return action along with the due date appears on the [Initiate Returns by Product](#) app under an additional column [iER Proposed Due Date](#).

Technical Details

Type	New
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Functional Localization	Not applicable
Scope Item	40G (Field Logistics Planning and Execution) 50M (Field Logistics Planning and Execution-Direct Procurement) 4AH (Field Logistics Planning and Execution- Supplier Items)
Technical Object Name	App ID: F4252
Application Component	CA - FL - RET (Returns)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.3.1.1.10 BAdI: Change Standard API for Goods Receipt in Process Receipts Application

Business Details

This BAdI enables you to change the standard API to perform goods receipts in the [Process Receipts](#) application. You can use a RAP complaint custom API of your choice and ensure to return error or success messages accordingly for the [Process Receipts](#) application to be displayed on the user interface.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	40G (Field Logistics Planning and Execution) 50M (Field Logistics Planning and Execution-Direct Procurement) 4AH (Field Logistics Planning and Execution- Supplier Items)
Technical Object Name	App ID: F5316
Application Component	CA - FL - GR (Goods Receipt)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition

15.3.1.1.11 BAdI: Append Supply Process Version Attribute for FLOG_CHG_SUPPLY_PROCESS

Business Details

This BAdI enables you to change the SAP delivered standard supply process version with a custom supply process version during creation of maintenance order/network order.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	40G (Field Logistics Planning and Execution) 50M (Field Logistics Planning and Execution-Direct Procurement) 4AH (Field Logistics Planning and Execution- Supplier Items)
Technical Object Name	App ID: F5316
Application Component	CA - FL - GR (<i>Goods Receipt</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.3.1.1.12 BAdI: Mapping Custom Fields Data to Print HU Label Structures

Business Details

This BAdI enables you to extend the validation and/or fill calculated values for custom fields added by key user along with the SAP delivered standard fields.

You can use this Business Add-In (BAI: FLOG_OUTP_RET_HU_LABEL_MAP) method for mapping custom fields data to print label structures in the HU Label print functionality. This allows you to implement your custom logic for filling-in the values for the custom fields added to the print label form.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	40G (Field Logistics Planning and Execution)
Technical Object Name	App ID: F4252
Application Component	CA - FL - RET (Returns)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.3.1.1.13 BAI: Mapping Custom Fields Data to Print Product Label Structures

Business Details

This BAI enables you to extend the validation and/or fill calculated values for custom fields added by key user along with the SAP delivered standard fields.

You can use this Business Add-In (BAI: FLOG_OUTP_RET_PROD_LABEL_MAP) method for mapping custom fields data to print label structures in the Product Label print functionality. This allows you to implement your custom logic for filling-in the values for the custom fields added to the print label forms

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	40G (Field Logistics Planning and Execution)

Technical Object Name	App ID: F4252
Application Component	CA - FL - RET (<i>Returns</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.3.1.1.14 BAdI: Mapping Custom Fields Data to Print Voyage Summary Label Structures

Business Details

This BAdI enables you to extend the validation and/or fill calculated values for custom fields added by key user along with the SAP delivered standard fields.

You can use this Business Add-In (BAdI: FLOG_OUTP_PRINT_VOY_LABEL_MAP) method for mapping custom fields data to print label structures in the HU label print functionality. This allows you to implement your custom logic for filling-in the values for the custom fields added to the print label forms.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	6BA (Field Logistics Planning and Execution – Containers and Voyages)
Technical Object Name	App ID: F6040
Application Component	CA - FL - SG (<i>Shipping for Field Logistics</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.3.1.2 Production and Revenue Accounting

15.3.1.2.1 OData API: PRA Simple Plant Volume

Business Details

With this feature, you can record residue and natural gas volumes for use by Contractual Allocation (CA) methods for calculation of actual and entitled quantities for an owner. The volumes are recorded per production month, delivery network structure and measurement point.

Implementation Details

Authorizations

O_OIU_TXN

OIU_TCODE	Activity
03U_CA071	01 - Create
03U_CA072	02 - Change
03U_CA073	03 - Display
03U_CA076	06 - Delete

Customizing

Effects on Existing Data

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	API_PRASIMPLEPLANTVOLUME

Application Component	IS - OIL - PRA - REV - CA (<i>Contractual Allocation</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.3.1.2.2 OData API: PRA Manual Entry Sales Volume

Business Details

This service enables you to read, create, update, delete Production and Revenue manual entries of sales volumes.

Implementation Details

Authorizations

O_OIU_TXN, OIU_TCODE: 03U_CA033, Activity: 03

Customizing

Effects on Existing Data

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	PRAManaulEntrySalesVolume
Application Component	IS - OIL - PRA - REV - CA (<i>Contractual Allocation</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.3.1.2.3 OData API: PRA Contract Volume by Sales Point

Business Details

With this feature, you can record actual volumes for contracts at sales point for SPO (Sales Point Originated) method for use by Contractual Allocation (CA) methods for calculation of actual and entitled quantities for an owner. The volumes are recorded on contract level per delivery network, measurement point, sales date, allocation frequency, material and transporter.

Implementation Details

Authorizations

O_OIU_TXN

OIU_TCODE	Activity
03U_CA052	02 - Change
03U_CA053	03 - Display

Customizing

Effects on Existing Data

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	API_PRACONTRVOLBYSLSP0INT
Application Component	IS-OIL - PRA - REV - CA (<i>Contractual Allocation</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.3.1.2.4 Tax and Royalty 2.0 History Uploaders

Business Details

With this feature, you can upload legacy reported history data to the SAP system's tax and royalty tables using the relevant Tax and Royalty 2.0 History Uploaders. This enables you to submit the amended reports for the legacy tax and royalty data.

You can use the Tax and Royalty 2.0 History Uploaders, to upload data for the below reports:

- New Mexico Tax and Royalty 2.0 reports
- Oklahoma Tax 2.0 report
- North Dakota Oil Tax 2.0 report
- Louisiana Tax 2.0 report
- Wyoming Severance & Conservation Tax 2.0 reports

Report Programs Added

Report Program	Description
/PRA/TAX_R_NM_LEGACY_DATA_MU	This report is used to upload the legacy reported tax data for the state of New Mexico
/PRA/ROY_R_NM_LEGACY_DATA_MU	This report is used to upload the legacy reported royalty data for the state of New Mexico
/PRA/TAX_R_OK_LEGACY_DATA_MU	This report is used to upload the legacy reported tax data for the state of Oklahoma
/PRA/TAX_R_ND_LEGACY_DATA_MU	This report is used to upload the legacy reported tax data for the state of North Dakota
/PRA/TAX_R_LA_LEGACY_DATA_MU	This report is used to upload the legacy reported tax data for the state of Louisiana
/PRA/TAX_R_WY_LEGACY_DATA_MU	This report is used to upload the legacy reported tax data for the state of Wyoming

Transaction Codes

Transaction Code	Description
/PRA/TAX_NM_DATA_UP	This transaction is used to upload tax data for the state of New Mexico.
/PRA/ROY_NM_DATA_UP	This transaction is used to upload royalty data for the state of new Mexico.
/PRA/TAX_OK_DATA_UP	This transaction is used to upload tax data for the state of Oklahoma.

Transaction Code	Description
/PRA/TAX_ND_DATA_UP	This transaction is used to to upload tax data for the state of North Dakota.
/PRA/TAX_LA_DATA_UP	This transaction is used to to upload tax data for the state of Louisiana.
/PRA/TAX_WY_DATA_UP	This transaction is used to to upload tax data for the state of Wyoming.

Technical Details

Type	New
Functional Localization	Localized for US only
Scope Item	5NM
Technical Object Name	See the table above
Application Component	IS - OIL - PRA - REP - TAX (Tax Reporting) IS - OIL - PRA - REP - ROY (Royalty Reporting)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.3.1.2.5 Pricing Audit Report

Business Details

The [Pricing Audit Report](#) is a new functionality that allows transparency into pricing components and pricing level details that are used in formula pricing calculations as well as in fixed pricing calculations.

The [SAP Production and Revenue Accounting \(PRA\)](#) valuation process uses fixed and formula-based pricing for deriving prices. Net price derived from fixed and formula pricing is made available in the Valuation Document. However, the pricing components used in formula price derivation are not transparent to users. It takes a lot of manual effort to reason out how the formula price is derived based on the Formula and Average (F&A) Pricing formula definition and related pricing components.

After the valuation process is completed, you can access this new report to view the price determination details, as well as the relevant formula details, quote details, and gravity scales, if applicable.

Technical Details

Type	New
Functional Localization	Localized for US only
Scope Item	5NM
Technical Object Name	Not applicable
Application Component	IS - OIL - PRA (<i>Production and Revenue Accounting</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.3.1.2.6 Production Regulatory Reporting Process 2.0

Business Details

This feature enables you to generate new regulatory reporting by maintaining the necessary generic master data and report generation using the workplace.

Implementation Details

Customizing

- You can use the standard-delivered Texas W-10, G10, and Kansas CG7 reporting generation by enabling the corresponding process ID.
- You can also generate custom regulatory reporting by maintaining the necessary process 2.0 customization.

Technical Details

Type	New
Functional Localization	Localized for U.S.
Scope Item	5NM

Technical Object Name	Not Applicable
Application Component	IS-OIL-PRA (<i>Production Revenue Accounting</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.3.2 Utilities

15.3.2.1 Utilities

15.3.2.1.1 Integration with SAP Emarsys Customer Engagement

Business Details

The integration of the SAP S/4HANA Utilities solution with the SAP Emarsys Customer Engagement solution features replication processes to replicate utilities-specific data from SAP S/4HANA Utilities to SAP Emarsys Customer Engagement.

A new chapter 'Integration with SAP Emarsys Customer Engagement' is available in the SAP S/4HANA Utilities help.sap.com documentation, describing the data flow, data mapping, features of SAP Emarsys Customer Engagement, and including a dedicated integration guide.

This documentation can also be viewed on the [SAP Business Accelerator Hub](#), where the Emarsys Integration Flow and Message Mapping are published.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable

Application Component	IS-U-CS-MA (<i>Marketing</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Links

[Integration with SAP Emarsys Customer Engagement](#)

[SAP Business Accelerator Hub](#) 

15.3.2.1.2 Display of Utilities Invoices in the Business Partner Financial Overview App

Business Details

The SAP Fiori app *Business Partner Financial Overview* now includes the facet "IS-U Invoicing Documents", which can be used to display documents from IS-U Invoicing in addition to the invoicing documents from Convergent Invoicing, which could previously be displayed. To use this facet, the industry solution *SAP for Utilities* must be active (Switch ISU_UTIL_1 active).

The new facet was developed as a BAdI implementation, and must be activated before you can use it.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID F2429
Application Component	IS-U-IN (<i>Invoicing</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Links

SAP Note [3531957](#) 

[Business Partner Financial Overview](#)

[Enhancements in Fiori App Business Partner Financial Overview](#)

15.3.2.1.3 Clean Core for SAP S/4HANA Utilities

Business Details

New clean core-compliant Business Add-Ins (BAIs) for frequently used user exits are now provided.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	IS-U (<i>SAP Utilities</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Links

SAP Note [3406389](#) 

15.3.2.1.4 Provisioning and Extraction of Data for Unbilled Revenue Reporting with SAP S/4HANA Utilities and SAP Datasphere

Business Details

You can now perform analysis related to sales statistics and unbilled revenue reporting in SAP Datasphere. With SAP S/4HANA Utilities FPS3, new ODP data sources are available that support the provisioning and extraction of required data to SAP Datasphere.

Existing processes and capabilities, such as statistics groups and their assignments, ODP data sources, ODP delta queue, simulation period, and IS-U mass simulation index are reused.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	IS - U - IN (<i>Invoicing</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Links

SAP Note [3473213](#) 

15.3.2.1.5 Extraction of EDM Profile Header and EDM Profile Header Assignments

Business Details

CDS views for EDM profiles and profile assignments have now been enabled for data extraction.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	IS - U - EDM (Energy Data Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Links

For more information about CDS views related to Energy Data Management, see [Energy Data Management](#).

15.3.2.2 Customer Engagement

15.3.2.2.1 Migration of utilities contracts with a history

Business Details

With this feature, you can migrate utilities contracts to utilities sales contracts while preserving their historical data, allowing for a comprehensive transfer of contract terms, including billing-relevant changes like rate adjustments. This enhancement ensures that the entire lifecycle of a utilities contract is accurately reflected in the utilities sales contract. The introduction of Simple Variant Configuration (SVC) improves performance by minimizing configuration engine use, making it ideal for background processes. Customers benefit from more accurate contract migrations and customizable configuration procedures.

Implementation Details

Customizing

Use and integrate own process implementation under ► [SAP Utilities](#) ► [Customer Engagement](#) ► [Sales Contract Management](#) ► [Modify Process Definition \(Client-Specific\)](#) ►

The configuration mode setting has been added to the customizing of Utilities UI-Processes. The "Configuration Mode" field is now part of the Process Framework Process and Process Framework Process (Customer)) tables. Here the user can select between "Simple Variant Configuration" and "Advanced Variant Configuration".

Utilities sales contract entities can be created using this transaction type. This allows customers and partners to define their own transaction types. Certain attributes can then be changed, e.g., Partner profile, Date Profile, Organizational Data Profile.

Technical Details

Type	Changed
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Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	CRM - S4 - IU (<i>S4CRM: Utilities Industry</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Migrating from IS-U and CRM to S/4HANA Utilities for customer engagement](#)
[Utilities Sales Contract Management S/4HANA Utilities for customer engagement](#)

15.3.2.2.2 Display appointments in the utilities sales contract overview

Business Details

After selecting a product within the sales contract management process, you can use the product configuration to define values for the date types and duration. You can define date types, durations, and date rules through customization and output these by assigning date profiles to an item category. In the Utilities sales contract overview, the data and calculated time periods are displayed under the "Appointments" section.

Implementation Details

Customizing

A new customizing entry has been added under  *SAP Customizing Implementation Guide* > *SAP Utilities* > *Customer Engagement* > *Sales Contract Management* > *Period Control* , allowing users to manage time periods in the context of sales contracts in the utilities industry involves defining and managing specific periods that are crucial for the execution and administration of the contract. These periods can include performance periods, during which certain services or deliverables are provided, as well as contract renewal periods, which specify when a contract can be extended or renegotiated.

Effects on Existing Data

BAdI definition CRMS4_IU_CM_PF_PROCESS_CTI_FLT was added to enhancement spot CRMS4_IU_CM_PROCESS_FRAMEWORK. The existing BAdI definition did not support filter values. Method ADJUST_APPOINTMENTS can be used to adjust the appointments before the actual function module is called.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	CRM - S4 - IU (<i>S4CRM: Utilities Industry</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Period Control](#)

[Creating New Date Rules in SAP CRM](#) 

[SAP S/4Service - New persistency table for Durations in service transactions](#) 

[How to Create XML Date Rules for Service Contracts](#) 

15.3.2.2.3 Prices in characteristics for Sales Contract Management and Sales Integration Interface

Business Details

With this feature it is possible to use a characteristic for a product-determined price amount to a sales product for a quantity-based price.

- Prices, amounts, etc. can be directly maintained on product level
- Usage of average prices supported

Implementation Details

Customizing

The reworked Customizing structure for the Utilities Product Integration Layer (UPIL) under  [SAP Customizing Implementation Guide](#)  [SAP Utilities](#)  [Contract Billing](#)  [Product Integration](#)  [Define Mapping of Commodity Product Attributes to Billing Master Data](#) , introduces a new feature aimed at enhancing the

management and application of price amounts. You can maintain templates for price amounts, which can be particularly useful for managing and standardizing pricing strategies. By adding a characteristic for a product-determined price amount, you can assign specific price amounts to sales products based on their quantities. This means that you can set up predefined pricing templates that automatically adjust the price of a product according to the quantity being sold.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	IS - U - BI - PI (<i>Utilities Product Integration Layer (U PIL)</i>) CRM - S4 - IU (<i>S4 CRM: Utilities Industry</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Sales Pricing to Utilities](#)

15.3.2.2.4 APIs for Utilities Products, Utilities Sales Contracts and Utilities Sales Contract Processes

Business Details

With this feature, you can utilize the new OData v4 web API services to efficiently read utilities sales contracts and simulate pricing for utilities. This innovation introduces a custom view entity to handle complex data models, enabling seamless data retrieval and process execution within the CE process framework. Customers benefit from streamlined operations, enhanced data access, and the ability to simulate billing scenarios, ultimately improving decision-making and operational efficiency.

API Utilities Sales Contract

The introduction of the new OData v4 web API service `API_UtilitiesSalesContract` specifically for reading utilities sales contracts represents an enhancement in how data is accessed and utilized within the

system. This change is centered around the Virtual Data Model (VDM) of the utilities sales contract, which has been expanded with new views to accommodate this functionality.

API Utilities Product

The introduction of the **API_UtilitiesProduct** as an OData V4 Web API represents a significant advancement in how utilities products' pricing and attributes are managed and simulated. It exposes necessary information and attributes to generate user interfaces (UIs) in any Customer Experience (CX) system. The API maps data to scenarios, utilizing characteristics for data types and values. The API can determine up to three consumption values from input runtime characteristic values, returning a table with these consumptions for bill simulation purposes.

The API uses semantic configuration to integrate with S/4HANA Sales modules, ensuring that consumption values are correctly interpreted and utilized.

API Utilities Sales Contract Process

The introduction of the OData v4 service **API_UtilsSalesContractProcess** for the customer engagement process framework represents an advancement in how processes are managed within the utilities sales contract process.

This service is built on a newly created RAP (ABAP Restful Application Programming) business object, enhancing the management of utilities sales contract processes. Instead of executing the PF process directly, the RAP registers a background processing task that is executed upon commit. This task eventually triggers the execution of the PF process, ensuring that the process execution is decoupled from the immediate transaction, which can improve performance and reliability.

Two actions have been implemented to allow users to resume or cancel a process. These actions include prechecks and validations to ensure that the operations are executed under the correct conditions.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	API: API_UtilsSalesContractProcess API_UtilitiesProduct API: API_UtilitiesSalesContract
Application Component	CRM-S4-IU (<i>S4CRM: Utilities Industry</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.3.2.3 SAP Waste & Recycling

15.3.2.3.1 CDS Views for Waste and Recycling

Business Details

This feature enables you cater to the analytical and data extraction capabilities. CDS views are provided to fetch cleaning objects, bulky waste, and resource-related details for Waste Disposal Order, Weighing, Container Allocation and Route based on business partner, status, container locations, container details, routes, waste, waste disposal facilities, service types, service areas, date range, and contract reference as well.

The following CDS views are released.

CDS Views Released for Waste Disposal Order

CDS View Name	Application Component	Solution Capability
Waste Disposal Order Resource DEX (C_EWA_WasteDsplOrdRsceDEX)	IS-U-WA	Data Extraction for Waste Disposal Order Resource

CDS Views Released for Weighing:

CDS View Name	Application Component	Solution Capability
Waste Disposal Order Weighing DEX (C_EWA_WasteDsplOrdWeighDEX)	IS-U-WA	Data Extraction for Waste Disposal Order Weighing
Waste Disposal Order Item Weighing DEX (C_EWA_WasteItemWeighingDEX)		Data Extraction for Waste Disposal Order Item Weighing
Waste Order Weighing Cube (I_EWA_WASTEORDERWEIGHCUBE)		Cube view for Weighing details in Waste Disposal Order
Waste Order Weighing Query (C_EWA_WASTEORDERWEIGHQUERY)		Query view for Weighing details in Waste Disposal Order
Weighing Process Cube (I_EWA_WeighingProcessCube)		Cube view for Weighing Process
Weighing Process Query (C_EWA_WeighingProcessQuery)		Query view for Weighing Process
Weighing Process (I_EWA_WeighingProcess)		Weighing Process

CDS View Name	Application Component	Solution Capability
Waste Order Weighing Note (I_EWA_WasteOrderWeighingNote)		Weighing Note for Waste Order

CDS Views Released for Container Allocation

CDS View Name	Application Component	Solution Capability
Container Allocation Cube (I_EWA_ContainerAllocationC)	IS-U-WA	Cube view fo Conatiner Allocation
Container Allocation Query (C_EWA_CONTAINERALLOCQ)		Query view for Container Allocation
Service Frequency DEX (C_EWA_ServiceFrequencyDEX)		Data extraction for Service Frequency
Service Frequency Note DEX (C_EWA_ServiceFreqNoteDEX)		Data extraction for Service Frequency Note
Service Frequency Date DEX (C_EWA_ServiceFreqDatesDEX)		Data extraction for Service Frequency Date
Service Frequency Item DEX (C_EWA_SrvcFreqSDSubitemDEX)		Data extraction for Service Frequency Item

CDS Views Released for Route

CDS View Name	Application Component	Solution Capability
Waste Disposal Route Basic (I_EWA_WasteDisposalRoute)	IS-U-WA	Basic view for Waste Disposal Route
Waste Disposal Route Cube (I_EWA_WasteDisposalRouteCube)		Cube view for Waste Disposal Route
Waste Disposal Route Query (C_EWA_WasteDisposalRouteQ)		Query view for Waset Disposal Route
Waste Disposal Route DEX (C_EWA_WasteDisposalRouteDEX)		Data Extraction for Waste Disposal Route

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	See the table above
Application Component	IS-U-WA (Waste Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.4 Financial Services

15.4.1 Banking

15.4.1.1 Loans Management (FS-CML)

15.4.1.1.1 FS-CML Enhanced Functions for Rollover Contracts

Business Details

These new features are enhancements related to rollover contracts, display of condition headers, and related functionalities.

Implementation Details

Customizing

You can enable the rollover enhancement function in Customizing for SAP Banking under ► [Loans Management](#) ► [Transaction Management](#) ► [Product Types](#) ► [Company Code-Dependent Settings for Product Type](#) ►.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	
Application Component	FS - CML (<i>Loans Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Enhanced Functions for Rollover Contracts](#)

15.4.2 Insurance

15.4.2.1 Policy Management

15.4.2.1.1 CDS Views for Providing Benefit Cases/Claims

Business Details

Policy Management now provides Core Data Services (CDS) views that you can use to access benefit cases/claims of a policy in accordance with the virtual data model (VDM) of Policy Management in SAP S/4HANA.

Interface views (basic and composite views) provide the data of the benefit cases/claims of a policy. You can then use the composite views to build consumption views, for example.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	Not applicable
Technical Object Name	Basic View: I_INSURPLCYCRTEBNFTCASESBASIC; Field Exposure: Expose All Fields) Private Composite View: P_INSURPLCYBNFTCASESANDCLAIM ; Field Exposure: Expose All Fields Transactional View: R_INSURPLCYBNFTCASESANDCLAIMTP; Field Exposure: Expose All Fields External API View: A_INSURPLCYBNFTCASESANDCLAIM; Field Exposure: Expose All Fields; Projection on R_INSURPLCYBNFTCASESANDCLAIMTP
Application Component	FS - PM (<i>Policy Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.4.2.1.2 CDS Views for Providing the Planned Processing Activities

Business Details

Policy Management now provides Core Data Services (CDS) views that you can use to access planned processing activities of a policy in accordance with the virtual data model (VDM) of Policy Management in SAP S/4HANA.

Interface views (basic and composite views) provide the data of the planned processing activities of a policy. You can then use the composite views to build consumption views, for example.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable

Technical Object Name

Basic Views:

I_INSURPLCYPLANNEDDATEBASIC

I_INSURPLCYBUSTRANSACDATEBASIC

I_INSURPLCYCORRESPNCDATEBASIC

I_INSURPLCYEXTERNALDATEBASIC

I_INSURPLCYPRODUCTGROUPBASIC

I_INSURPLCYTMPLATTRIBUTEBASIC

I_INSURPLCYTMEMDLFUNCSQNCBASIC

Field Exposure: Expose Required Fields

Private Views

P_INSURPLCYPLANNEDDATE

P_INSURPLCYBUSTRANSACTION

P_INSURPLCYCORRESPNCDATES

P_INSURPLCYCORRESPONDENCEDATE

P_INSURPLCYEXTERNALDATES

Composite Views:

I_INSURPLCYTMEMDLFUNCSQNC

I_INSURPLCYPLNDPROCGACTIVITY

I_INSURPLCYPLNDDATEPROCESSING

Field Exposure: Expose Required Fields

Transactional View:

R_INSURPLCYPLNDDTEPROCESSINGTP

Field Exposure: Expose All Fields

External API View:

A_INSURPLCYPLNDDTEPROCESSING

Field Exposure: Expose All Fields; Projection on

R_INSURPLCYPLNDDTEPROCESSINGTP

Application Component

FS-PM (*Policy Management*)

Availability

SAP S/4HANA and SAP S/4HANA Cloud Private Edition

Valid as Of

2023 FPS03

15.4.2.1.3 CDS Views for Providing the Dual Control

Business Details

Policy Management now provides Core Data Services (CDS) views that you can use to access the dual control of a policy in accordance with the virtual data model (VDM) of Policy Management in SAP S/4HANA.

Interface views (basic and composite views) provide the data of the dual control of a policy. You can then use the composite views to build consumption views, for example.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Basic Views: I_INSURPLCYDUALCONTROLBASIC I_INSURPLCYDLCTRLLONGTEXTBASIC I_INSURPLCYDLCTRLMESSAGEBASIC Field Exposure: Expose Required Fields Composite View: I_INSURANCEPOLICYDUALCONTROL; Field Exposure: Expose Required Fields Transactional Views: R_INSURPLCYDUALCONTROLTP R_INSURPLCYDLCTRLMESSAGETP Field Exposure: Expose All Fields External API View: A_INSURANCEPOLICYDUALCONTROL; Projection on R_INSURPLCYDUALCONTROLTP A_INSURPLCYDLCTRLMESSAGE; Projection on R_INSURPLCYDLCTRLMESSAGETP Field Exposure: Expose All Fields
Application Component	FS - PM (<i>Policy Management</i>)

Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.4.2.1.4 CDS Views for Providing the Coinsurance Cashflow

Business Details

Policy Management now provides Core Data Services (CDS) views that you can use to access the coinsurance cashflow of a policy in accordance with the virtual data model (VDM) of Policy Management in SAP S/4HANA.

Interface views (basic and composite views) provide the data of the coinsurance cashflow of a policy. You can then use the composite views to build consumption views, for example.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable

Technical Object Name

Basic Views:

I_INSURPLCYDISTRPLNRELSHPBASIC
I_INSURPLCYCOINSURHEADERBASIC
I_INSURPLCYCOINSURSEGMENTBASIC
I_INSURPLCYCOINSURCOMMSNBBASIC
I_INSURPLCYAPPLJRNLHEADERBASIC
I_INSURPLCYCASHFLOWHDRBSBASIC
I_INSURPLCYCASHFLOWITEMBSBASIC
I_INSURPLCYPOSTINGCODEBASIC
I_INSURPLCYBIZTRANCTRLBSC
I_INSURPLCYAPPLJRNLITEMBASIC
I_INSURPLCYCONTRJRNLBASIC

Field Exposure: Expose All Fields

Private Composite Views:

P_INUSRANCEPOLICYCASHFLOW
P_INSURPLCYCASHFLOWSEARCHORDER
P_INSURPLCYCOINSURCSHFLWJRNL
P_ INSURPLCYCASHFLOWHEADERITEM
P_INSURANCEPOLICYCASHFLOWITEM
P_INSURANCEPOLICYCOINSURANCE
P_INSURPLCYCOINSURHDRSGMT
P_ INSURPLCYCOINSURADDTAX
P_INSURPLCYAPPLICATIONJOURNAL

Field Exposure: Expose All Fields

Interface Views

I_INPLCOINSURCSHFLWLDNGCOMMSN
I_INPLCOINSURCSHFLWLDNGOWNACCT
I_INPLCOINSURCSHFLWLDNGPREMTX
I_INPLCOINSCFPRTCPCNTCOMMSN
I_INPLCOINSCFPRTCPCNTPREMTX
I_INPLCOINSCFTRANSFCOMMSN
I_INPLCOINSCFTRANSFPREMTX
I_INSURPLCYCOINSURCSHFLWLDNG

	I_INSPLCYCOINURCSHFLWPRTCPNT
	I_INSPLCYCOINSURCSHFLWTRANSF
	I_INSURPLCYCOINSURANCECASHFLOW
	Transactional View:
	R_INSURPLCYCOINSURCASHFLOWTP
	Field Exposure: Expose All Fields
	External API View:
	A_INSURPLCYCOINSURANCECASHFLOW; Projection on R_INSURPLCYCOINSURCASHFLOWTP
	Field Exposure: Expose All Fields
Application Component	FS-PM (<i>Policy Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.4.2.1.5 OData API: Insurance Policy (Version 2.2.0)

Business Details

The RESTful API *Insurance Policy* has been enhanced. The following enhancements are available:

- The service definition now exposes the following entities under the policy level: *Benefit Cases/Claims*, *Dual Control*, *Planned Processing Activities*, and *Coinsurance Cashflow*.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable

Technical Object Name	API: API_INSURANCEPOLICYSERVICE_2 Entities: A_INSURPLCYBNFTCASESANDCLAIM A_INSURANCEPOLICYDUALCONTROL A_INSURPLCYPLNDDTEPROCESSING A_INSURPLCYCOINSURANCECASHFLOW Root View Entities: R_INSURANCEPOLICYTP_2 A_INSURANCEPOLICY_2
Application Component	FS-PM (<i>Policy Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS3

15.4.2.1.6 Remote-Enabled Function Modules for Change Business Process

Business Details

This feature enables you to call the following functions from the *Change* business process by Remote Function Call (RFC):

- Change Representative
- Settle Actual Reported Value

For more information about the remote-enabled function modules (RFMs), call transaction SE37 and read the long text of the function module documentation.

Implementation Details

Customizing

BADls for the remote-enabled function modules are available for customer-specific enhancements. For more information about mappings and BADls, see Customizing for Policy Management under [► Integration ► Services ► Remote-Enabled Function Modules ► Change ► Business Transactions ►](#):

- *BAdI: Change Representative (Extension In/Out)*

For more information about the BADIs, see the relevant BAdI documentation.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	RFM: /PM0/ABT_SVC_REP_AMD (Change Representative) RFM: /PM0/ABT_SVC_REPVAL_SETTLE (Settle Actual Reported Value) BAdI: /PM0/ABT_SVC_REP_AMD_BADI (BAdI: Change Representative (Extension In/Out))
Application Component	FS-PM (Policy Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Change Representative](#)
[Settle Actual Reported Value](#)

15.4.2.17 Remote-Enabled Function Modules for Reset Business Process

Business Details

This feature enables you to call the following functions from the [Reset](#) business process by Remote Function Call (RFC):

- Perform Reinstatement after Reversal

For more information about the remote-enabled function modules (RFMs), call transaction SE37 and read the long text of the function module documentation.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	RFM: /PM0/ABT_SVC_IPRP_REINST_CNCL (Perform Reinstatement after Reversal)
Application Component	FS-PM (Policy Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Perform Reinstatement after Reversal](#)

15.4.2.1.8 BAdI: Change of Cash Flow Documents before Transfer

Business Details

With this feature, you can change cash flow documents during the transfer to Collections and Disbursements (FS-CD). The changed cash flow documents will be saved to the database.

Implementation Details

Customizing

To use this feature, you must create a BAdI implementation for [BAdI: Change of Cash Flow Documents before Transfer](#). You can find the [BAdI: Change of Cash Flow Documents before Transfer](#) in Customizing for Policy Management under [Accounting Component](#) [Business Add-Ins \(BAdIs\)](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	BAdI: /PM0/ABN_ADJUST4TRANSFER Customizing Activity: /PM0/ABN_ADJUST4TRAN
Application Component	FS - PM (<i>Policy Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	1809 SPS13

15.4.2.1.9 BAdI: Deactivate Commission Case Creation

Business Details

With this feature, you can deactivate the commission case creation in Policy Management. You can, for example, deactivate the commission case creation for a specific sales product.

Implementation Details

Customizing

To use this feature, you must create a BAdI implementation for *BAdI: Deactivate Commission Case Creation*. You can find the *BAdI: Deactivate Commission Case Creation* in Customizing for Policy Management under [► Integration ► Incentive and Commission Management FS-ICM ► Business Add-Ins \(BAdIs\) ►](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable

Technical Object Name	BAdI: /PM0/ABT_CHECKCASECREATE_BADI
	Customizing Activity: /PM0/ABT_CHECKCASECR
Application Component	FS - PM (<i>Policy Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	1809 SPS13

15.4.2.1.10 Alternative Investment Logic for a Specific Period of Time in Fund Management

Business Details

With this feature, you can now define a temporarily valid investment logic for unit-linked products in the Customizing-activity [Assign Investment Logic](#).

An investment logic without a time limit is considered default investment logic. Note that at any given point in time only one temporarily valid investment logic is permitted to be valid alongside an existing default investment logic.

For a temporarily valid investment logic, both the start date and the end date of its validity must be defined. Also, the start date must be earlier than or the same as the end date.

Implementation Details

Customizing

To create an additional investment logic, in Customizing for [Policy Management](#), choose ► [Fund Management](#) ► [Investment Logic](#) ► [Define Investment Logic and Intervals](#) .

To define a start and end date for this investment logic, in Customizing for [Policy Management](#), choose ► [Fund Management](#) ► [Investment Logic](#) ► [Assign Investment Logic](#) .

Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	Not applicable
Technical Object Name	Customizing-activity and view: /PM0/ALU_PILFBT Data elements: BEGDATUM, ENDDATUM
Application Component	FS - PM (<i>Policy Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Fund Management](#)

15.4.2.1.11 Display Reversed Contracts at the End of the Policy/Contract Overview

Business Details

With this feature, you can display reversed contracts at the end of the policy/contract overview.

Implementation Details

Customizing

To use this feature, select the *Display Reversed Contracts at the End* checkbox in the *Edit Display Options* Customizing activity. You can find the Customizing activity in Customizing for Policy Management under ► *In-Force Business Management* ► *Basis* ► *Business Processes* ► *Policy/Contract Summary* ►.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	Note applicable
Technical Object Name	Data element: /PM0/ABU_REVPPD_LAST_FG Customizing activity and view: /PM0/ABU_POLSUMM
Application Component	FS-PM (<i>Policy Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	1809 SP13

Related Information

[Display Policy Summary](#)

[Settings for Displaying Cancelled Policies in Policy Summary](#)

15.4.2.1.12 RFM Change Contract

Business Details

You can use the following remote-enabled function module (RFM) for auto insurance policies:

- [Change Contract](#) (PM0/ABT_SVC_POLPR_AMD)

Implementation Details

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	RFM: PM0/ABT_SVC_POLPR_AMD (Change Contract)

Application Component	FS - PMA (Policy Management for Auto Insurance)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2020 SP09

Effects on System Administration

For customer-specific enhancements, a BAdI (/MVA/AMT_SVC_POLPR_AMD_BADI) is available for the RFC-enabled function module [Change Contract](#) (/PM0/ABT_SVC_POLPR_AMD). For more information about the BAdI, see Customizing under [SAP Insurance > Policy Management > Integration > Services > Remote-Enabled Function Modules > Change > Business Transactions > BAdI: Change Contract \(Auto LoB/Mapping\)](#).

Additional Details

For more information about the function modules, see the following SAP Policy Management release note:

RFMs for Change

15.4.2.1.13 (De)Referencing of a Bonus-Malus If Exchanged

Business Details

With this function, you can change the credited bonus-malus if a bonus-malus has the rating reason "Exchange from Third-Party Contract". The newly credited bonus-malus is referenced and the deleted bonus-malus is dereferenced. This function is available in the dialog as well as via existing BTS dates and RFMs.

Technical Details

Type	Changed
Functional Localization	Localized for Germany and Austria
Scope Item	Not applicable
Technical Object Name	Not applicable

Application Component	FS - PMA (<i>Policy Management for Auto Insurance</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	1909 SP11

Additional Details

In this case, referencing and dereferencing means that both sides of the bonus-malus relationship are removed. This affects the contract data of the target bonus-malus (/MVA/AMDABM) and the global data of the credited bonus-malus (/MVA/AMDBBM).

The change in behavior affects the following scenarios:

- **Change to the credited bonus-malus:** If the credited bonus-malus is changed in the target bonus-malus, the system cedes the new bonus-malus to be credited to the target bonus-malus and dereferences the **deleted** bonus-malus or the bonus-malus no longer credited. This bonus-malus no longer appears as ceded and can be used further.
- **Reactivation of statuses in the event of retroactive changes and possible undo/redo:** In the event of retroactive changes, a different bonus-malus may be credited for the status being loaded than in the current status. The bonus-malus that is relevant for this status must be credited. The system removes the link to the bonus-malus that is not relevant for the loaded status.
- **Rejection of application statuses:** If the credited bonus-malus is changed within the application, the system restores the original status before the application was created if the application status is rejected.
- **Reset business transaction (undo):** If the credited bonus-malus is changed and the [Change B/M Data](#) business transaction is reset, the system restores the status before the business transaction was executed.
- **Reset/corrected policy issuance:** The system procedure is the same as for the reactivation of statuses in the event of retroactive changes.

The credited bonus-malus can only be changed with the corresponding authorizations (authorization object/MVA/6VBM) with an effective date that is not the bonus-malus start date in the contract or coverage. Otherwise, a change is only possible at the start.

If a bonus-malus with the rating reason "Exchange from Third-Party Contract" is completely removed and replaced by a new bonus-malus, the link to the bonus-malus is removed only if the target bonus-malus does not yet have any released statuses and can therefore no longer be queried after it has been removed.

15.4.2.1.14 Support FS-PM RFMs

Business Details

You can use all the listed remote-enabled function modules (RFM) for auto insurance policies:

- [Suspend](#) (PM0/ABT_SVC_SUS_SET)

- [Perform Reinstatement After Suspension](#) (PM0/ABT_SVC_RASUS)

Implementation Details

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	See the table above
Application Component	FS - PMA (Policy Management for Auto Insurance)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2020 SP09

Remote-Enabled Function Modules

Function Module (RFM)	Technical Name
Suspend	/PM0/ABT_SVC_SUS_SET
Perform Reinstatement After Suspension	/PM0/ABT_SVC_RASUS

Additional Details

For more information about the function modules, see the following SAP Policy Management release note:

RFMs for Change

15.4.2.1.15 RFMs to Shift Start of Policy, Contract, Coverage

Business Details

You can use the following RFMs for the application version for auto insurance policies:

- [Shift Policy Start Date](#) (/PM0/ABT_SVC_INPI_POLICY_SHIFT)
- [Shift Contract Start](#) (/PM0/ABT_SVC_INPI_POLPR_SHIFT)
- [Shift Coverage Start](#) (/PM0/ABT_SVC_INPI_COV_SHIFT)

Implementation Details

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	See the table below
Application Component	FS - PMA (Policy Management for Auto Insurance)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2020 SP09

Remote-Enabled Function Modules

You can also use the function modules to create, process, and change new business applications of an auto insurance policy:

Function Module (RFM)	Technical Name
Shift Policy Start Date	/PM0/ABT_SVC_INPI_POLICY_SHIFT
Shift Contract Start	/PM0/ABT_SVC_INPI_POLPR_SHIFT

Additional Details

For more information about the function modules, see the following SAP Policy Management release note:

RFMs for New Business

15.4.2.2 Claims Management

15.4.2.2.1 OData API: Insurance Claim Bundle Service

Business Details

Claims Management now provides the OData API Insurance Claim Bundle Service that you can use to search for a specific claim bundle or to request the claim bundle data.

Extensibility of the Insurance Claim Bundle Service

You can extend existing RESTful Application Programming Model (RAP) business objects from other software components or SAP-delivered RAP business objects to optimize and adapt their functionality to your business requirements. Each layer in the stack of a RAP business object can be extended and adapted depending on your business use case. This extensibility covers events, CDS views, behavior, nodes.

Claim Bundle Events

Claim Bundle Events notifies a remote system about created and changed claim bundles in the SAP S/4HANA system. The following events are available for the claim bundle:

- Created
- Changed

Implementation Details

Authorizations

To use the Insurance Claim Bundle Service, the following authorization objects must be assigned to the user:

- I_ICLE_CAT
- B_BUPA_GRP
- B_BUPA_RLT

- B_BUP_DCDP

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	API_InsuranceClaimBundle
Application Component	FS - CM (<i>Claims Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Insurance Claim Bundle Service](#)

15.4.2.2.2 Real-Time Payments

Business Details

You can use real-time payments when payments are initiated externally to forward the payment data directly to the bank and handle the immediate bank confirmation.

Implementation Details

Prerequisites

Before you initiate the payment creation, the following prerequisites must be fulfilled:

- Customize the functionality in SAP Collections and Disbursements for Insurance (FS-CD).
- Set up the method REAL_TIME_EXT_BRANCH_CASH in BAdI BADI_ICLF_CD ([Insurance](#) > [Claims Management](#) > [Claim](#) > [Business Settings](#) > [Payments/Subrogation/Recovery](#) > [General Settings for](#)

[Collections/Disbursements](#) ➤ [BAdI: Interface to Collections/Disbursements](#) ➤ to determine which external ID of Branch and Cash Desk should be used.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	FS - CM (Claims Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Real-Time Payments](#)

15.4.2.2.3 Archiving Infotype Values Using CA_BUPA

Business Details

You can use archiving object CA_BUPA to archive data from the relevant infotypes, such as social insurance, fiscal data, corrections and special provisions. The infotype data is stored within business partner master data, and the archiving process is initiated using CA_BUPA. Infotype data is archived along with other data stored in the business partner master data.

Implementation Details

To run archive functionality for CA_BUPA, follow the procedure as described in [Archiving Business Partners Using CA_BUPA](#).

The archiving object /GSINS/NHI is now obsolete and no longer used for archiving additional data in HCM.

Prerequisites

Before archiving infotype values, the business partner has to reach the [End of Purpose](#) status. To reach this status for the application MKK, archive and delete business partner data from `/GSINS/INH_CPHRR(Claim Payee and HCM Person Relation)` database table, using `/GSINS/HR` archiving object.

Technical Details

Type	New
Functional Localization	Localized for the Netherlands
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	FS - CM - LC (Claims Management Localization for the Netherlands)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Archiving Business Partners Using CA_BUPA](#)
[Archiving of Relation Between Payee and Person in HCM](#)

15.4.2.3 msg.PMQ

15.4.2.3.1 Switching the Test Execution to a Separate Java VM

Business Details

This feature enables you to use a stabilized and adaptable configuration of the test execution, that was outsourced to a separate Java VM.

The following advantages result:

- The Java heap of PMQ.Runtime can be monitored (in the upper area of the Test Execution view).

- The Java heap of the Designer Java VM is not used for test execution and can therefore be configured individually (in the configurations of a test case or the settings of a workspace using the new Runtime Environment tab).
- The execution times are not affected by the Designer Java VM.
- It is easy to cancel a separate process in the event of a deadlock/endless loop.
- The Java VM for the execution can be selected and configured separately.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	FS - MPM (<i>msg.PMQ</i>)
Availability	SAP S/4HANA
Valid as Of	2023 FPS03

15.4.2.3.2 Structure Copy with Copy Pattern

Business Details

This feature enables the user to create copies of PMQ objects with forward-referenced objects in any depth of structure trees.

To significantly improve the usability of the structure copy, the use of copy patterns is supported from this release. For this purpose, there is a new tab **Copy Pattern** in the right area of the structure copy assistant. A copy pattern starts with the product module type of the start object. A defined pattern of subtrees to be copied can be applied using the context menu action **Apply Copy Pattern**.

The **Switch View** icon can be used to switch between the target view (simplified display) and the path view (more detailed display). By default, the definition of the copy pattern is started in the target view.

There is also a new action **Collapse all**, which collapses the entire tree to a maximum (regardless of the selection). This action is also available in the assistant for deleting a structure

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	FS - MPM (msg.PMQ)
Availability	SAP S/4HANA
Valid as Of	2023 FPS03

15.4.2.3.3 Improvements for Importing Test Structures

Business Details

This feature enables the user to import test structures with a new option: **Open imported test structures and test cases (max. 10)**. If this option is activated, the first 10 imported test cases are opened immediately.

Previously, a message box was always displayed when the import was successful. This behavior has been changed. A message box now only appears in the case of an error.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	FS - MPM (msg.PMQ)
Availability	SAP S/4HANA
Valid as Of	2023 FPS03

15.4.2.3.4 Quick Fix for Adopting Schema Values in Product Modules

Business Details

This feature enables you to set the value of the associated type attribute for non-nullable product attributes on product modules that do not have a value now with a new quick fix.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	FS - MPM (msg.PMQ)
Availability	SAP S/4HANA
Valid as Of	2023 FPS03

15.4.2.3.5 Performance Improvements for Large Tables

Business Details

The performance for the use of large tables has been significantly improved.

The following operations have been optimized:

- Mass operations for set default value and delete cell value
 - Validation on table after mass operation
 - Execute mass data validation in the background when saving the table editor
 - Refresh of the Properties view
 - Open the context menu in table
 - Scrolling for cells with truncated content
 - Searching in large tables
 - Filtering and sorting of large tables
- The following operations have been changed:
- Undo/Redo operations that affect more than 10,000 table cells can no longer be undone

- Table editor: The visual highlighting of changed cells by bolding has been removed
 - Insert and delete 100,000 rows from Excel or the Designer in tables
- The above user interactions with large tables were tested with tables of up to 2 million rows and 6 columns.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	FS - MPM (msg.PMQ)
Availability	SAP S/4HANA
Valid as Of	2023 FPS03

15.4.2.3.6 Export and Import of Table Extensions

Business Details

This feature enables you to export and import table extensions. The CSV or XSL/XSLX formats can be used for this purpose.

Exporting tables from PMQ.Designer with over 200,000 rows to MS Excel is not recommended, as this can lead to restrictions when subsequently re-importing them into Designer. In this case, the CSV format should be used.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable

Application Component	FS - MPM (msg.PMQ)
Availability	SAP S/4HANA
Valid as Of	2023 FPS03

15.4.2.3.7 Simplified Build Statistics

Business Details

This feature enables the user to reduce the scope of the build statistics and to reduce the effort required to generate the build statistics with the 3 levels FULL, MEDIUM and MINIMAL.

Furthermore, a new parameter `buildStatisticsLevel=FULL/MEDIUM/MINIMAL` can now be used to specify the level in headless mode. The default level is FULL.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	FS - MPM (msg.PMQ)
Availability	SAP S/4HANA
Valid as Of	2023 FPS03

15.4.2.3.8 Display of all Extension Libraries with Multi-Level Core/Customer Separation

Business Details

This feature enables the user to display all libraries in an extension chain by the option **Hide libraries not directly extended by a project** in the view-specific menu of the PMQ Explorer under **Filters and Customization**. This option is deactivated by default.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	FS - MPM (<i>msg.PMQ</i>)
Availability	SAP S/4HANA
Valid as Of	2023 FPS03

15.4.2.3.9 POTATO: Combined Table Import with Streaming API

Business Details

This feature enables the user with the help of the combined table import, data from internal tables that have a common table type can be imported together from an Excel file with POTATO.

By using a streaming API, it is now possible to read in the data in blocks and thus support Excel worksheets with a size of up to 1.2 million rows.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	FS - MPM (<i>msg.PMQ</i>)
Availability	SAP S/4HANA
Valid as Of	2023 FPS03

15.4.2.3.10 Detail Improvements

Business Details

The following features describe detail improvements:

PMQ.Designer

- **Output of Progress Messages on the Console During Test Case Import**
When importing test cases, the same progress messages are now displayed on the console that appear on the output console when the corresponding headless command is executed.
- **Open Action for the Table Layout View via the Properties View**
For a table in content mode, the layout can also be viewed via the properties view. As of this release, the special Layout tab can be used to navigate to constraint objects using the Open action.
- **Display of the Owner of Aggregated Product Components in the Comparison Editor**
For aggregated product modules, the owner product module is now also displayed in the name column of the comparison editor.
- **Creating an Extension Object in the Selected Extension Project**
In the case of multiple extension projects, you can now select in which extension project the extensions are to be created using a dialog. The dialog only appears if it is not unique (i.e. there are at least 2 potential target projects).
- **Creating and Importing External Tables without Schema Specification**
When creating and importing external tables, it is no longer necessary to explicitly select a specific database schema. In the connection settings for external tables, an additional entry is now available in the schema list: <Standard schema of the connection (currently: "schema_name")>. If this entry is selected, a schema is no longer stored in the external table. This means that the schema remains variably configurable in the Runtime environment.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	FS - MPM (msg.PMQ)
Availability	SAP S/4HANA
Valid as Of	2023 FPS03

15.4.2.3.11 Error Corrections and Usability Improvements

Business Details

With this release, smaller issues has been fixed and the usability has been improved.

- PMQ.Designer
 - When creating a CAIMAN content archive, errors could occur. This has been fixed.
 - The Caiman Content Service Packager of the deployment generated an exception if an underscore was contained in the root package of a project or a library. This has been fixed.
 - A new validation for corrupt data files of internal tables has been added. This validation runs as part of the mass data validation.
In addition, when opening table editors, the system checks whether the data file is corrupted. If not, a corresponding error dialog is displayed and the editor is closed again.
 - Aggregated product modules can now be deleted from the Search Results page without errors.
 - If overwritten enumeration entries are copied from an enumeration extension and inserted into an enumeration, the values of the entries are copied correctly.
 - If multiple quick fixes are to be carried out for a content object, they will now be carried out all at once. This improves the performance of these quick fixes.
 - If the constraints or nullability of an attribute are overwritten on a product module, then the validation of the attribute on the product module is now also applied with regard to the deviation from the type, even if the product module and its template are of the same type.
 - The dialog for selecting the test method now remembers its last size.
 - The Dimension column has been added to the Calculation Function tab in the properties of methods and calculated attributes.
 - When inserting test instructions into test cases, the names of methods and attributes were changed (made unique by appending numbers). This has been fixed.
 - When validating elements with enumeration restrictions, errors occurred if multiple enumerations or enumeration extensions had the same GUID. This has been fixed.
 - The validation for root modules of time-controlled product modules now also checks whether the visibility of the root modules matches that of the product module. If not, a warning is generated. Furthermore, the visibility of the root modules can be adjusted to the visibility of the product module using a quick fix.
 - A new validation for corrupt data files of internal tables has been added. This validation runs as part of the mass data validation. In addition, when opening table editors, a check is made to see whether the data file is intact. If not, a corresponding error dialog is displayed and the editor is closed again.
 - Test case: When changing a product module instance in the Add Calculation dialog, the filter was not automatically adjusted. This has been fixed.
 - The performance when inserting many enumeration entries has been improved.
 - The validation of relation cardinalities has been optimized in terms of performance. Furthermore, the maximum number of cardinality errors/warnings per test structure has been limited to 100.
 - Unchanged multidimensional values that have not been edited in the dialog for editing multidimensional values no longer lead to changes to the edited object (attribute, value restriction, etc.).
 - Circular relations (source and target identical) are now given different forward and backward names, even with automatic naming. The backward name is always formed from the forward name and the suffix _rev when creating such relations and during refactorings.

- The filter dialog in tables and in the product navigator could not be closed with OK for a large number of hits. This has been fixed.
- The initial table column width of columns with PMQ object constraints is now automatically adjusted again after the column values have been asynchronously converted from qualified names to the display names of the PMQ objects.
- Importing CSV data from internal tables now also works if a data cell contains several line breaks in succession.
- Errors in tables from library projects were not displayed visually. This has been fixed.
- When refactoring columns of internal tables with CSV data, the CSV data files are now correctly adjusted.
- The GUIDs and PM IDs of inserted objects are now updated before the content\hierarchy (e.g. virtual folders) is adjusted.
- The Link with Editor action in PMQ.Explorer now also works for extension libraries and even if the Hide extended PMQ project content filter is deactivated.
- The quick fix for "There is no declaring type for the member ..." now also works for tables with CSV data and thus also cleans up the primary keys.
- There is now a validation for internal base tables that checks whether the columns in the data file match the table. If the columns in the data file differ, there is now also a quick fix that removes unnecessary columns from the data file or adds missing columns.
For extensions of internal tables, there is now also a new quick fix that adds missing columns to the base table or deletes columns that do not exist in the base table.
- The wizard for defining table restrictions with restricted values now also works for internal tables with CSV data.
- The references view can now also be opened for restriction elements in the product module editor without an error window.
- POTATO
 - Exporting an empty string as a constraint value caused errors. This has been fixed.
 - The error that templates are exported even though "Transport templates" is disabled in the selection filter of an Excel export task has been fixed. However, this behavior only occurred when templates with the same name as a product module in another package were used in the content. Fixing this error ensures that templates are only exported when "Transport templates" is enabled.
 - The entry point for PM.Designer 3.x has been removed from the POTATO configuration wizard.
- PMQ.Deployment
 - In the context menu of the deployment directory for deployment projects, there are now actions for creating new deployment and content configurations in the project explorer, similar to the PMQ Explorer.
 - Deployment no longer reads over faulty projects. If the deployment is started, only content validation errors can be ignored. All other errors prevent execution.
 - The parameter overwriting procedure of the headless deployment has been reset to the status of release 2306. This means that parameter overrides are possible for the JBoss transporter, but not for the JBoss packager.
 - If the deployment is aborted due to fatal errors, additional information about the errors is now displayed in headless mode.
 - For the Java and C runtime, adjustments have been made to the compilation database for C compilations. A maximum size of 4 GB is now supported.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	FS - MPM (msg.PMQ)
Availability	SAP S/4HANA
Valid as Of	2023 FPS03

15.4.2.4 Incentive and Sales Force Management

15.4.2.4.1 OData Services for Posting and Simulating Commission Cases/Commission Documents

Business Details

This feature enables you to simulate and post commission cases and commission documents.

With the extension of the existing OData services for reading commission cases and commission documents it is now possible for external applications to simulate the processing of commission cases and commission documents in order to validate input and result data. Further, it is possible to post single commission cases and commission documents or sets of commission cases and documents (batch processing).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	API:API_COMMISSIONCASE API: API_COMMISSIONDOCUMENT
Application Component	ICM (Incentive and Commission Management)

Availability	SAP S/4HANA
Valid as Of	2023 FPS03

15.5 Public Services

15.5.1 Defense & Security

15.5.1.1 Consistent Visualization of Installed Equipment in the Authorized/Actual Comparison

Business Details

This feature enables you to view the installed equipment in the authorized/actual comparison based on a best practice technical structure. If a material is installed at either a functional location or an equipment, it is displayed in the authorized/actual comparison. To display materials without any FMPO assignment, you can set the assignment setting to *Unauthorized*.

Implementation Details

You need to follow the best practices for the technical structure setup to ensure that the authorized/actual comparison as well as disconnected operations work correctly:

- Only the top-level equipment must be posted to stock.
- Additional equipment within the technical structure must not be posted to stock.
- In a technical structure with functional locations, the top-level equipment must be installed directly below the functional location.
- Only one top-level equipment should be found below the top-level functional location.
- Any equipment within the structure that is posted to stock and is installed is **not** counted as installed equipment, but as equipment in stock, and is associated with the force element to which the storage location belongs.

Technical Details

Type	Changed
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Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: F4776
Application Component	IS - DFS - OF - FMP (<i>Flexible Material Planning Object</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.5.1.2 Consideration and Calculation of Restricted Stock into Actuals

Business Details

This feature enables you to manually determine whether restricted stock is to be considered in the calculation of the actuals. This user intervention is supported by an additional selection option in the authorized/actual comparison. Additionally, a new column *Restricted Quantity* is available for restricted stock that provides more insight into the composition of the actual quantity.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: F4776
Application Component	IS - DFS - OF - FMP (<i>Flexible Material Planning Object</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.5.1.3 Exclusion of Infrastructure Assignments in the Authorized/Actual Comparison

Business Details

This feature enables you to assign infrastructure materials that are not visible in the authorized/actual comparison. The feature can only be used if the logistics data has been maintained for the force element. You must maintain the infrastructure-relevant logistics data for the force element either for the combination of the plant and storage location or the plant and MRP area. Without maintaining any infrastructure-relevant logistics data, FMPO infrastructure assignments are visible.

Implementation Details

FMPO assignments for infrastructure materials are filtered out from the authorized/actual comparison according to the following settings:

- The infrastructure-relevant logistics data maintained in the [Manage Force Elements](#) app. Here, you can maintain a plant, an MRP area, and a storage location.
- The setting in the table DFS_FE_INFRASLOC ([Table to determine infrastructure storage location](#)).

If the setting [PLANT](#) is maintained in the table DFS_FE_INFRASLOC, all FMPOs are filtered out that have a material master view for the combination of plant and storage location maintained in the logistics data. If it is set to [MRPAREA](#), you can maintain either the MRP area only or the MRP area and a storage location. If you have created multiple storage locations for one MRP area, the system checks whether one of them has a material master view available and filters it out if required. If you maintain both the MRP area and storage location options, the system validates whether the storage location has a material master view.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: F4776
Application Component	IS-DFS-OF-FMP (Flexible Material Planning Object)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.5.1.4 Adjust External Procurement Data During Maintenance Order Distribution

Business Details

This feature provides the capability to automatically adjust relevant maintenance order data during data distribution to prevent external procurement processes being triggered by purchase requisitions in the target system. This ensures that maintenance business processes remain consistent while operating at a remote site working offline in a communication-challenged environment.

The following details apply to the adjustment of external procurement data during maintenance order distribution:

- Data that in the target system would but should not lead to external procurement processes triggered by purchase requisitions is automatically adjusted:
 - Non-stock material components
 - Non-stock material components
- For **non-stock material components** the following adjustments are made:
 - On the tab "General Data" the "Res./Purc.req." value is changed to "1 = Never"
 - On the tab "Purchasing Data" the "Actual Data" section with the purchase requisition number is removed
- The following adjustments are made for **external operations without service items**:
 - On the tab "Actual Data" the Requisition Number is removed and the "Res./Purc.req." value is changed to "1 = Never"
- The following adjustments are made for external operations with service items:
 - The control key is replaced by the value TM03
 - On the tab "Actual Data" the requisition number is removed and the "Res./Purc.req." value is changed to "1 = Never"
 - All services are removed
 - An operation long text is added containing details about the removed services
- If the maintenance order is edited in the target system where the adjusted data is available, re-distribution to the original sender system does not overwrite the original data with the adjusted data.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	MDO - Handler : CL_DFS_PM_WORKORDER_DO

Application Component	IS-DFS-PM-DIS (<i>Distributed Maintenance</i>)
Availability	Distributed Maintenance
Valid as Of	2023 FPS03

15.5.1.5 Display the Change Protection Dialog Box During Mass Change of Notifications and Orders

Business Details

This feature provides a dialog box, on which a decision can be made about change protection distribution, during mass processing of maintenance notifications or orders. This facilitates consistent maintenance business processes, while operating at a remote site working offline in a communication-challenged environment.

The following details apply to the display of the change protection dialog box:

- The feature applies to
 - Mass change of notifications using transaction IW28
 - Mass change of notifications using transaction IW28
- The dialog box for the change protection distribution decision is displayed when the mass change is executed if:
 - The "main work center" field in a notification/order is selected for mass change and
 - The new value for the main work center has ownership in a different system to the one in which the mass change is executed.
- If the change protection distribution is confirmed on the dialog box:
 - The change protection for all notifications/orders that are selected and applicable (for example with change protection in the current system) for the mass change is removed from the current system and distributed to the target system that owns the new work center.
 - The change protection for other notifications/orders that are part of a notification/order network for the selected notifications/orders is also distributed to the target system.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable

Technical Object Name	Not applicable
Application Component	IS-DFS-PM-DIS (<i>Distributed Maintenance</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.5.1.6 Enable Stocktaking on the Remote Server with Data Distribution to the Central System

Business Details

This feature provides the capability to post stock takings (document, count, difference) on the remote server and re-distribute the data to the central system, thereby assuring consistent material stock data in the system landscape while operating at a remote site working offline in a communication-challenged environment.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	MDO-Handler: CL_DFS_MM_MATSTOCK_TRANSFER_D0
Application Component	IS-DFS-MM-DIS (<i>Distributed Materials Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.5.1.7 Enhance Distribution of Stock Transfer Requisitions

Business Details

This feature provides enhancements for the distribution of stock transfer requisitions in the areas of change protection, release strategy, blank supplier, and customer-defined texts. These improve flexibility in cross-

system supply processes, while operating at a remote site working offline in a communication-challenged environment.

The following details apply to this feature :

- Header text can be edited in the central and remote servers if at least one item has CP in that system that is distributed back to the central system. If no item has CP in the central system, the header text can't be edited in this system. The same applies to the remote system. Texts are added to the existing text with a log/time stamp that shows its origin.
- Item CP according to the ownership of the issuing storage location
- For STRs that have multiple line items with different CP receivers and a release strategy, the CP for each line item is distributed after the individual item is released.
- If a cross-system STR has a blank issuing SLOC (blank supplier) for a line item, an error is raised when the STR is checked and saved, which identifies the item with the missing supplier.
- Customer-defined texts.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	MD0 - Hand ler : CL_DFS_MM_STR_D0
Application Component	IS -DFS-MM-DIS (<i>Distributed Materials Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.5.1.8 Improve Usability in the Monitor Disconnected Operations Systems SAP Fiori App

Business Details

This feature provides usability enhancements to the card view of the "Monitor Disconnected Operations Systems" (MDOS) SAP Fiori app, referring to the display of data on the card or the display of related subscriptions. This provides system administrators with an improved overview of the data distribution between the central S/4HANA system and multiple disconnected remote servers.

The following details apply to this feature :

- Only show subscriptions related to the system for the respective card

- Improve display of information on the card view
- “Refresh” button on the card view
- Display more than 100 subscriptions
- Lazy loading for the list of subscriptions

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	F7484
Application Component	IS-DFS-BIT-DIS (<i>Distributed System Landscape</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.5.1.9 Provide Hyperlinks in the Manage and Monitor Subscriptions SAP Fiori App

Business Details

This feature enables you to navigate from the data derivation and data transfer lists in the “Manage and Monitor Subscriptions” SAP Fiori app to the respective apps for the individual business objects displayed in the lists. This provides system administrators with quick access to relevant data during the initial data distribution process.

The following details apply to :

- Hyperlinks to BOs

Technical Details

Type	Changed
Functional Localization	No localization

Scope Item	Not applicable
Technical Object Name	F6172
Application Component	IS-DFS-BIT-DIS (<i>Distributed System Landscape</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.5.1.10 Enhance Capabilities for Generic Data Distribution

Business Details

This feature provides enhancements for the “Generic Data Distribution” (GDD) report in the areas of distribution of change protection, distribution of dependent data or display of details in the application log. This provides complete and consistent data distribution outside of the subscription process and enables required business processes at a remote site, while working offline in a communication-challenged environment.

The following details apply to the enhancements to the generic data distribution:

- Change protection is removed from objects in the sending system immediately during the GDD data checkout.
- Improved derivation and distribution of dependent data, for example in the case of distribution of functional location/equipment structures.
- Display of additional information in the GDD application log, such as the owning system before and after the data checkout for objects with ownership or change protection.
- Transaction: DFS_GENERIC_DISTR

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	IS-DFS-BIT-DIS (<i>Distributed System Landscape</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.5.1.11 Update MAIF Table Entries for Mobile Version Downward Compatibility

Business Details

This feature provides enhancements to the mobile version downward compatibility, which allow the central S/4HANA system to communicate and distribute data with disconnected remote servers, even if the systems have different release versions. This provides greater flexibility of upgrade times for systems within a disconnected operations landscape.

The following enhancements are available:

- Automatic update of MAIF tables that have already been synchronized to the new mobile version

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	IS-DIFS-BIT-DIS (<i>Distributed System Landscape</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.5.1.12 Accelerate Subscription Data Derivation and Data Transfer

Business Details

This feature provides enhancements to the “Manage and Monitor Subscriptions” SAP Fiori app that improve the performance of the data derivation and data transfer processes. This accelerates the initial data distribution during the subscription process when setting up new servers for use at a remote site, while working offline in a communication-challenged environment.

The following details apply to the performance improvements during the subscription process:

- bgRFC

Technical Details

Type	Changed
Functional Localization	No localization>
Scope Item	Not applicable
Technical Object Name	F6172
Application Component	IS - DFS - BIT - DIS (<i>Distributed System Landscape</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.5.1.13 Performance Improvements in SAP S/4 HANA Defense & Security

Business Details

This feature provides performance improvements in various areas of S/4HANA Defense & Security solution. Overall, we have improved performance by adopting the latest database techniques to speed up the overall data retrieval process, whilst optimizing key features and streamlining processes. These improvements result in faster load times, smoother operation, and a generally more efficient user experience.

Performance improvements have been made across the S/4HANA Defense & Security solution and notably in the following applications:

- Manage Force Elements
- Manage Positions
- Compare Authorized with Actual Materials
- Display Status Board

Several performance improvements have been made to the [Manage Force Elements](#) and [Manage Positions](#) applications to accelerate retrieval of data and adopt the latest DB mechanisms. Technical improvements have also been made to improve navigation at facet level across these apps.

In the [Compare Authorized with Actual Materials](#) application, the performance of the comparison results list, equipment details and position-related assignments has been improved.

In the [Display Status Board](#) application, the status aggregation logic for equipment has been optimized. By introducing the latest methodology to the database layer, the relevant data can now be fetched more quickly in the list view and on the object page.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	IS - DFS - OF (<i>Organizational Flexibility</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

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 Add Additional Customer-Defined Fields to the Commitment Carryforward Table

Business Details

This feature enables you to add additional customer-defined fields to the commitment carryforward document and commitment carryforward lot, to enable customer-defined fields to be reassigned.

Implementation Details

You implement the logic for the customer field value reassignment in the Business Add-In (BAI) FM_FYC_REASSIGN_CUST_FIELD.

Customizing

The BAI is available in the Public Sector Management Implementation Guide under ► [Funds Management Government](#) ► [Closing Operation](#) ► [Commitment Closing Operations](#) ► [Business Add-Ins \(BAIs\)](#) ► [Reassignment of Extension Fields for Year End Closing](#) ►.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Business Add-In: FM_FYC_REASSIGN_CUST_FIELD
Application Component	PSM - FM (<i>Funds Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Reassign Customer Field Values During the Commitment Carryforward for Year End Closing](#)

15.5.2.1.1.2 My Overall Budget App

Business Details

This feature provides you with an overview of the overall budget and spending status (consumable, consumed, available amount) within your area of responsibility.

You may

- Drill down to the underlying data at various flexible summarization levels
- Focus on specific areas of your overall budget by creating additional tiles

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: F5179

Application Component	PSM - FM (Funds Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[My Overall Budget](#)

15.5.2.1.1.3 My Overall Budget Alerts App

Business Details

This feature provides you with a personalized insight into the number of objects for which the overall budget available is nearing a critical threshold when compared with the consumable budget. A template threshold of 100% is delivered.

You may:

- Display the critical object combinations and the detailed information about consumable, consumed, and available amounts
- Drill down to the underlying data to identify the issue

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: F5178
Application Component	PSM - FM (Funds Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[My Overall Budget Alerts](#)

15.5.2.1.1.4 Personalization for Overall AVC Apps

Business Details

You can use this feature to define your own list of control objects, which are used in the SAP Fiori apps [My Overall Budget](#) and [My Overall Budget Alerts](#), by determining the FM area and the control ledger. In each account assignment element, you need to specify a single value, including the wildcard symbol (*), a group, or an interval of single values.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	T-code: FMAVC_PERS_OVERALL
Application Component	PSM - FM (Funds Management)
Availability	FMAVC_PERS_OVERALL
Valid as Of	2023 FPS03

Related Information

[My Overall Budget](#)
[My Overall Budget Alerts](#)

15.5.2.1.1.5 Trial Balance for US Federal Government app

Business Details

This feature enables you to generate the Trial Balance details in a report that is designed based on the Core FS pre-built business reports as outlined by the Financial Management Quality Service Management Office (FM QSMO).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: W0214
Application Component	PSM - FG (<i>US Federal</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Trial Balance for US Federal Government](#)

15.5.2.1.1.6 Transaction Detail for US Federal Government app

Business Details

This feature enables you to generate the transaction details of a federal agency in a report that is designed based on the Core FS pre-built business reports as outlined by the Financial Management Quality Service Management Office (FM QSMO).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: F8486
Application Component	PSM - FG (<i>US Federal</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Transaction Detail for US Federal Government](#)

15.5.2.1.1.7 Obligation Status for US Federal Government app

Business Details

This feature enables you to generate the details of the obligation status of your organization, in a report that is designed based on the Core FS pre-built business reports, as outlined by the Financial Management Quality Service Management Office (FM QSMO).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: W0212
Application Component	PSM - FG (<i>US Federal</i>)

Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Obligation Status for US Federal Government](#)

15.5.2.1.1.8 Schedule X/P - Report on Program and Financing Schedule for US Federal Government app

Business Details

This feature enables you to produce a report of the Obligations, Budgetary Resources, Changes in Obligated Balances, Budgetary Authority and Outlays by Treasury Account Symbol (TAS), as well as other Public Sector account assignments such as Fund, Budget Period, and Application of Fund (AoF), for a specified period.

Schedule P is a subset of the Schedule X - Report of Program and Financing of the Treasury. Schedule X provides a comprehensive overview of budgetary resources and obligations for appropriations of an agency, while the Schedule P focuses specifically on program and financing details, showing how budgetary resources are allocated to various activities and projects, using either Program Activity Codes (PAC) or Program Activity Reporting Keys (PARK).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: W0209
Application Component	PSM - FG (US Federal)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Schedule X/P - Report on Program and Financing Schedule for US Federal Government](#)

15.5.2.1.1.9 Status of Funding for US Federal Government app

Business Details

This feature enables you to generate the funding status details of your organization, in a report that is designed based on the Core FS pre-built business reports, as outlined by the Financial Management Quality Service Management Office (FM QSMO).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: W0208
Application Component	PSM-FG (<i>US Federal</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Status of Funding for US Federal Government](#)

15.5.2.1.1.10 AP Invoice Status for US Federal Government app

Business Details

This feature enables you to generate the details of the AP invoice status of your organization, in a report that is designed based on the Core FS pre-built business reports, as outlined by the Financial Management Quality Service Management Office (FM QSMO).

The report shows a list of vendor line items with clearing information. The document type has to be used to limit the selection to invoices. Open and cleared amounts are shown and can be summarized.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: W0211
Application Component	PSM - FG (<i>US Federal</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[AP Invoice Status for US Federal Government](#)

15.5.2.1.1.11 Receivable Status for US Federal Government

Business Details

This feature enables you to generate the details of the receivables status of your organization, in a report that is designed based on the Core FS pre-built business reports, as outlined by the Financial Management Quality Service Management Office (FM QSMO).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: W0210
Application Component	PSM - FG (<i>US Federal</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

Related Information

[Receivable Status for US Federal Government](#)

15.5.2.1.1.12 Funds Management Fiori Apps with Segment

Business Details

This feature enables you to use profit center and segment data in Funds Management (FM).

- FM commitment and actual tables are enhanced to determine and update data from integrated components, such as Purchasing, Sales, Earmarked Funds and Finance, based on the cost objects used in the integrated components.
- Filters and other output have been added to reporting in the existing Funds Management Fiori apps.
- Global hierarchies are supported in the FM and G/L account assignments in Funds Management Fiori apps.

This feature allows a reporting that is based on additional dimensions, in accordance with the SAP guidelines for using Profit Center and Segment instead of the business area. It allows flexible grouping of account assignment dimensions and facilitates streamlined reporting at flexible aggregated levels.

The following Funds Management Fiori apps are enabled for these additional dimensions:

- Commitments and Actuals Analyses (F2903)
- Budget and Commitment/Actual Line Item Analyzer (W0153)
- Period Budget and Commitment/Actual Line Item Analyzer (W0191)
- Commitment Line Item Analyzer (W0187)
- Controlling Line Item Analyzer (W0188)
- Actual Line Item Analyzer (W0189)

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App IDs: • F2903 • W0153 • W0191 • W0187 • W0188 • W0189
Application Component	PSM - FM (Funds Management) PSM - FG (U.S. Federal Government)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.5.2.1.1.13 Funds Management and US Federal Reports with Segment

Business Details

This feature enables you to use profit center and segment data from Funds Management and the U.S. Federal Government in SAP GUI reports.

- The SAP GUI reports are enhanced by filters and outputs for the new dimensions profit center and segment.
- The SAP GUI reports now support global hierarchies for the FM and G/L account assignments.

This feature allows a reporting based on additional dimensions in accordance with the SAP guidelines for using profit center and segment data instead of the business area. It allows flexible grouping of account assignment dimensions and facilitates streamlined reporting at flexible aggregated levels.

The following Funds Management and U.S. Federal Government SAP GUI reports have been enhanced and enabled for these additional dimensions:

Funds Management:

- Document Journal (program RFFMEPGAX)
- FM Line Item Browser (transaction FMBROWSER)

U.S. Federal Government:

- FG Line Item Browser (transaction FMFG_FW_BROWSER)
- Transaction Register (transaction FMFG_E_TRANS_REG)
- Trial Balance with Attributes (transaction FMFGTB)
- GTAS Bulk File Creation (transaction FMFG_GTAS_FILE)

Technical Details

Type	New
Functional Localization	Localized for United States
Scope Item	Not applicable
Technical Object Name	Program: RFFMEPGAX Transactions: • FMBROWSER • FMFG_FW_BROWSER • FMFG_E_TRANS_REG • FMFGTB • FMFG_GTAS_FILE
Application Component	PSM - FM (Funds Management) PSM - FG (U.S. Federal Government)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.5.2.1.1.14 US Federal Government: Trading Partner Treasury Account Symbol Fields in Contract & Lease Management

Business Details

This feature enables you to record partner TAS component details in the CLM contract by reusing the framework delivered with the GTAS changes in 2013/2014. This includes the following:

- Push-button for the US government key which can be used to fill, derive or define default entries for the TP TAS fields and store this combination centrally in the table 'FMFGUSKONTKEY'
- Option to add agency-specific fields to those on the push-button

- F4 value helps for the TP TAS fields
- Validation message for federal trading partners
- BAdIs to support default entries, validation and extension of the US government key
- The 'commitment string' is used to derive the TP TAS fields in subsequent documents, such as FI invoice and payment and store these fields in ledger 95.

The CLM contract was not previously able to record partner TAS component details. These details are required when an invoice to be paid to another federal agency is generated as part of the GTAS requirement. As is also the case for the purchase order and funds commitment, it should be possible to maintain partner TAS components in the CLM contract document and transfer these to the funds commitment, so they can be populated when the vendor invoice is created.

Implementation Details

As a prerequisite for using this feature, you have to activate the CLM sub-application [PSGT - Public Sector GTAS Extension](#).

Customizing

The BAdI is available in the Public Sector Management Implementation Guide under [► Functions for US Federal Government ► General Settings ► US Federal Government Fields ► BAdI: Definition of US Federal Government Fields ►](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	-
Application Component	PSM - FM (Funds Management) RE - FX (Contract and Lease Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.5.2.1.15 Reclassification of Lease-in Contract Liabilities into Funded and Unfunded Portions

Business Details

This feature enables US Federal Government agencies to reclassify lease-in liabilities into funded and unfunded portions based on the funding (for example earmarked funds) created. A liability posting from the valuation posting (RECEEP) is considered to be a funded portion by default. The reclassification program (REFMRC) calculates the unfunded portion and establishes the unfunded liability by offsetting the funded liability.

- Reclassification of funded and unfunded liabilities application is an extension to the valuation, which reads the valuation results on the basis of the valuation cash flow to identify the liability.
- This application calculates the present value portion for the earmarked funds by reading the summarization start and end dates. It identifies the corresponding present value from the valuation cash flow and calculates the values for the funded liabilities.
- Create a financial document that reduces the initial liability posted by the valuation posting and increases the unfunded liability, for example if the earmarked fund was created for the first fiscal year, but the contract is for multiple years.
- As the funding becomes available, such as when earmarked funds are created in subsequent fiscal years, this application establishes the funded liability by offsetting the unfunded liabilities.

Implementation Details

As a prerequisite, you must enable the CLM sub-application [PS02 \(PSM: Reclass Lease Liabilities\)](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	-
Application Component	PSM - FM (Funds Management) RE - FX (Contract and Lease Management)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.5.2.1.1.16 Carryforward Balances Between PSM Account Assignments in the Valuated Lease Contract

Business Details

This feature enables you to carryforward CLM lease contract balances to the new Public Sector Management (PSM) account assignments. Previously, when changes were made to the PSM account assignments, there was no option to carryforward the contract balances to the new PSM account assignments.

Covered balances carryforward:

- Lease-out accounts receivable balances
- Lease-in lease liability balances (funded and unfunded in the case of the US Federal Government)
- Lease-in assets posted with balance sheet accounts (those without asset accounting integration)
- Lease-in accumulated depreciations with balance sheet accounts (those without asset accounting integration)

Restrictions:

- Postings made to assets with asset accounting integration are not observed by this feature to carryforward.
- Multiple accounting bases, such as multiple/parallel valuation rules, are also not observed here.

Implementation Details

As prerequisite for using this feature, you must enable the sub-function *PS04 (PSM: Rollover Contract Balances)* and the CLM contract must be valuated.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	-
Application Component	PSM - FM (<i>Funds Management</i>) RE - FX (<i>Contract and Lease Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 FPS03

15.5.2.1.1.17 Multifunding in the CLM Lease Valuation Posting

Business Details

This feature enables you to post valuations using the public sector account assignments that are maintained in the condition split for a lease contract. This allows multi-funded valuation postings to be made for all direct general ledger postings from RE-FX (Contract and Lease Management). PSM account assignments are split according to the equivalence number maintained in the condition split.

Previously, public sector account assignments that were maintained in the posting parameter condition split were used to create earmarked funds and periodic postings, however, they were not used in the valuation postings.

Implementation Details

As prerequisite for using this feature, you must enable the sub-function *PS02 (PSM: Reclass Lease Liabilities)* and the CLM contract must be valued.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	-
Application Component	PSM - FM (<i>Funds Management</i>) RE - FX (<i>Contract and Lease Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
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