



What's New | PUBLIC

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What's New in SAP S/4HANA and SAP S/4HANA Cloud Private Edition 2023 SPS04

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1 What's New

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

2 Cross Components

2.1 Master Data Maintenance

2.1.1 Customer/ Supplier Master Data

2.1.1.1 UI Changes in Maintain Business Partner Report

Business Details

With this release, the user interface of the *Maintain Business Partner* report (transaction *BP*) was changed. The fields for customer and supplier blocking were moved to new locations.

You can find an overview of all changes in below table:

Note

The fields remain visible in their original locations on the UI but are no longer editable there. Please refer to the table below for information on where these settings can now be made.

Business Partner Role: Customer (Accounting/ Sales)

Business Partner Role	Fields	Old Location	New Location
Customer (Accounting)	<i>Posting Block for All Company Codes</i>	In the <i>Company Code</i> data area, on the <i>Customer: Status</i> tab.	In the <i>General Data</i> area, on the new <i>Customer: Status</i> tab.
Customer (Sales)	<ul style="list-style-type: none"><i>Sales Order Block</i><i>Delivery Block</i><i>Billing Block</i><i>Block Sales Support</i> for <i>All Sales Areas</i>	In the <i>Sales and Distribution</i> data area, on the <i>Status</i> tab.	In the <i>General Data</i> area, on the new <i>Customer: Status</i> tab.

Business Partner Role: Supplier (Accounting/ Purchasing)

Business Partner Role	Fields	Old Location	New Location
Supplier (Accounting)	<i>Posting Block for All Company Codes</i>	In the <i>Company Code</i> data area, on the <i>Vendor: Status</i> tab.	In the <i>General Data</i> area, on the new <i>Supplier: Status</i> tab.

Business Partner Role	Fields	Old Location	New Location
Supplier (Purchasing)	<i>Purchasing block</i>	In the <i>Purchasing</i> data area, on the <i>Purchasing Data</i> tab under <i>Additional Purchasing Data</i> .	In the <i>General Data</i> area, on the new <i>Supplier: Status</i> tab.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	SAPLBUPA_DIALOG_JOEL
Application Component	CA-FS-CVI (<i>Customer Vendor Integration – FS-BP part</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 SPS04

2.2 Master Data Governance, Data Quality Management

2.2.1 Access Data Model Tables in Derivation Scenarios Using Procedure Calls

Business Details

With this feature, you can use procedure calls to access all data model tables of the current data model that are not provided in the BRFplus context.

Implementation Details

For information about using this feature in lower releases, please refer to SAP Note [3536809](#).

Technical Details





Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App IDs: F5954 (<i>Define Derivation Scenarios for Business Partners</i>) and F5522 (<i>Define Derivation Scenarios for Products</i>)
Application Component	CA-MDG-ADQ (<i>Master Data Quality Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 SPS04

2.3 Classification System

2.3.1 Classification System: Small Enhancements as Part of Continuous Influence Program

Business Details

Improvements in the *Classification System* 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-CL (<i>Classification</i>)	Enlarged Characteristic Value Maintenance Screen Improving Usability in CT04	SAP_ABA 75I	New	299448 	3429021 
CA-CL (<i>Classification</i>)	Record Changes of Descriptions on Characteristic and/or Values Level	SAP_ABA 75I	New	299450 	3429227 

Technical Details



Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	CA-CL (<i>Classification</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 SPS04

2.4 Document Management

2.4.1 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-DMS (<i>Document management</i>)	Multiple File Upload Available When Using Simple Create Document Functionality	S4CORE 108	New	301787 	3517321 

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 Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

2.5 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-JOU (<i>Joule integration with FLP</i>)
Availability	SAP S/4HANA Cloud Private Edition
Valid as Of	2023 SPS04

Related Information

[Joule in SAP S/4HANA Cloud Private Edition](#)
[Integrating Joule with SAP S/4HANA Cloud Private Edition](#)

2.6 Country/Region Specifics

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

3 Finance

3.1 Accounting and Financial Close

3.1.1 General Ledger Accounting

3.1.1.1 AI-Assisted Journal Upload

3.1.1.1.1 New Application Component for AI-Assisted Journal Upload

Business Details

With this release, the new application component `FI-GL-AI-IJU` (*AI Assisted Manual Journal Upload*) is now available for the AI-assisted Journal Upload feature.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	<code>FI-GL-AI-IJU</code> (<i>AI Assisted Manual Journal Upload</i>)
Availability	SAP S/4HANA Cloud Private Edition
Valid as Of	2023 SPS04

Related Information

[AI-Assisted Journal Upload](#)

3.1.1.1.2 Deprecation of Intelligent Scenario FIN_INTLGNT_JEUPLD

Business Details

The Intelligent Scenario Lifecycle Management (ISLM) scenario FIN_INTLGNT_JEUPLD is deprecated due to the availability of improved successor scenarios. Instead, you should use the new Intelligent Scenario FIN_INTLGNT_JRNLUPLD for the AI-assisted Journal Upload feature.

For more information, refer to SAP Note [3631989](#).

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	FI-GL-AI-IJU (<i>AI Assisted Manual Journal Upload</i>)
Availability	SAP S/4HANA Cloud Private Edition
Valid as Of	2023 SPS04

Related Information

[AI-Assisted Journal Upload](#)

3.1.2 Joint Venture Accounting

3.1.2.1 Master Data Transaction for JIB Class/Subclass Mapping (GJ68N)

Business Details

This feature enables you to use a master data application table to persist the Joint Interest Billing (JIB) mapping entries.

- The transaction GJ68 or the IMG structure *Mapping JIB Classes and Accounts to Overwrite Classes* under *Joint Venture Accounting (JVA) IMG*, is now removed.
- The transaction **GJ68**, used to manipulate the mapping entries, is now converted to a master data transaction, **GJ68N**.
- In this transaction, JIB subclass A is added along with JIB class and transaction type for the account ranges at the source to overwrite the JIB codes of the target.
- You can now map both JIB class and JIB subclass A from the cost objects.
- You are automatically redirected to new transaction GJ68N while accessing GJ68 or the above mentioned IMG structure.

Implementation Details

Authorizations

You must maintain authorization object `J_JVA_CUS` to access the transaction code GJ68N.

The object should include all the necessary fields and values as follows:

- ACTVT (Activity)
 - 02 - Create new entries
 - 23 - Maintain existing entries
- BUKRS (Company Code)
 - Based on business requirement
- JV_CUGROUP (Customizing group for authorization)
 - D_01 - Joint Interest Billing (JIB) Class Mapping

Effects on Existing Data

The new master data transaction code **GJ68N** uses a master data application table to store the mapped entries.

Therefore, the existing mapped configuration contents should be moved to the new master table.

The data conversion should be carried out as a part of system conversion/ release upgrade follow-on process or when any of the support package from OP 2023 SP04 is imported.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	3F7
Technical Object Name	GJ68N

Application Component	CA-JVA-JVA (<i>Joint Venture Accounting</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[SAP Note 3340526](#) 

[SAP Note 3585715](#) 

3.2 Financial Operations

3.2.1 Manage Credit Accounts

Business Details

Financial statement data that have been sent by credit agencies via SAP S/4HANA Cloud for credit integration are now displayed in the *Manage Credit Accounts* app.

Via SAP S/4HANA Cloud for credit integration, credit agencies can send financial statement data as additional data in their credit reports. With the new integration, you can see them in the *Manage Credit Accounts* app in the *Financial Statement Data* section.

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	1RY (Credit Agency Integration)
Technical Object Name	App ID: F4596
Application Component	FIN-FIO-CCD-CR (<i>Fiori UI for Credit Management</i>) FIN-FSCM-CR (<i>Credit Management</i>) FIN-FSCM-CAI (<i>Credit Agency Integration</i>)

Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 SPS04

Related Information

[Manage Credit Accounts](#)

[Available Fields for Financial Statement Data](#)

3.3 Billing and Revenue Innovation Management

3.3.1 Convergent Invoicing

3.3.1.1 Key User Extensibility for Consumption Items and Billable Items

Business Details

With this feature, you can automatically transfer custom fields to follow-on objects: specifically from consumption items to billable items and from billable items to dependent consumption items.

The business scenarios *Consumption Items to Billable Items* and *Billable Items to Dependent Consumption Items* provide optional extensibility for the transfer of data in Convergent Invoicing. These business scenarios are available for the following business contexts:

- *Convergent Invoicing: Consumption Item*
- *Convergent Invoicing: Billable Items*

Implementation Details

When a business scenario is activated for a custom field, note the following principles:

- The value in the custom field is always copied from source to destination, even when the source field is empty.
- The standard logic for Convergent Invoicing processes applies:
 - Fields with character format serve as split criteria.
 - Fields with numeric format are aggregated.

If you want a numeric value to be shown for information only, you can avoid the aggregation by using type character for the field instead of type numerical. However, use this option with care as it increases data consumption.

Authorizations

To create custom fields, you need the [Extensibility](#) role assigned to your user.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Business scenario: CINV_CIT_2_BIT_IT CINV_BIT_IT_2_DIT_CIT
Application Component	FI-CA-INV (Convergent Invoicing)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

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

3.4 Country/Region Specifics

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

4 Manufacturing

4.1 Production Engineering

4.1.1 CDS Views for Basic Work Center Data

Business Details

New CDS views were released for *Production Engineering* under the *Basic Work Center Data* area.

The following table summarizes the CDS views that were released or changed for *Production Engineering* under the *Basic Work Center Data* area.

New CDS Views Released for Basic Work Center Data

Name	Technical Name	Details
Work Center Capacity Intervals	I_WorkCenterCapIntvl_4	Work Center Capacity Intervals
Workcenter Capacity Shift Details	I_WorkCenterCapacityShift_4	Workcenter Capacity Shift Details
Work Center Capacity	I_WorkCenterCapacity_3	Work Center Capacity
Work Center Hiererchy Header	I_WorkCenterHierHeader	Work Center Hiererchy Header
Work Center Hiererchy Header Text	I_WorkCenterHierarchyHeaderTxt	
Work Center Hierarchy Structure	I_WorkCenterHierStructure	Work Center Hierarchy Structure
Work Center Pooled Capacity Allocation	I_WorkCenterPooledCapAlloc	Work Center Pooled Capacity Allocation
Work Center Quantity Calculation Formula	I_WorkCenterQtyCalcFormula	Work Center Quantity Calculation Formula
Work Center Quantity Calculation Formula - Text	I_WorkCenterQtyCalcFormulaText	
Operation Setup Group Category	I_OperationSetupGroupCategory	Operation Setup Group Category
Operation Setup Group Category - Text	I_OperationSetupGroupCatText	

The following table summarizes the CDS views that were updated with field additions for *Production Engineering* under the *Basic Work Center Data* area.

CDS Views Changed for Basic Work Center Data

Name	Technical Name	Details
Work Center	I_WorkCenter	Work Center
Work Center Cost Center	I_WorkCenterCostCenter	Work Center Cost Center
Work Center Text	I_WorkCenterText	Work Center Text

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	CDS View: I_WorkCenter I_WorkCenterCapIntvl_4 I_WorkCenterCapacityShift_4 I_WorkCenterCapacity_3 I_WorkCenterCostCenter I_WorkCenterCostCenter I_WorkCenterHierarchyHeaderTxt I_WorkCenterHierarchyHeaderTxt I_WorkCenterPooledCapAlloc I_WorkCenterText I_WorkCenterQtyCalcFormula I_WorkCenterQtyCalcFormulaText I_OperationSetupGroupCategory I_OperationSetupGroupCatText
Application Component	PP-VDM (<i>Virtual Data Model in PP</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

4.1.2 CDS Views for Basic Routing Data

Business Details

New CDS views were released for *Production Engineering* under the *Basic Routing Data* area.

The following table summarizes the new CDS views that were released for *Production Engineering* under the *Basic Routing Data* area.

New CDS Views Released for Basic Routing Data

Name	Technical Name	Details
Production Routing Component Allocation	I_ProdnRoutingCompAllocDEX	Production Routing Component Allocation
Production Routing Material Assignment	I_ProdnRoutingMatlAssgmtDEX	Production Routing Material Assignment
Production Routing Operation Subordinate Operation	I_ProdnRoutingOpSubordOpDEX	Production Routing Operation Subordinate Operation
Production Routing Sequence	I_ProdnRoutingSequenceDEX	Production Routing Sequence
Production Routing Document PRT Assignment	I_ProdnRtgDocPRTAssgmtDEX	Production Routing Document PRT Assignment
Production Routing Equipment PRT Assignment	I_ProdnRtgEquipPRTAssgmtDEX	Production Routing Equipment PRT Assignment
Production Routing Inspection Characteristic Assignment	I_ProdnRtgInspCharcAssgmtDEX	Production Routing Inspection Characteristic Assignment
Production Routing Material PRT Assignment	I_ProdnRtgMatlPRTAssgmtDEX	Production Routing Material PRT Assignment
Production Routing Inspection Characteristic Assignment	I_ProdnRtgInspCharcAssgmtDEX	Production Routing Inspection Characteristic Assignment
Production Routing Miscellaneous PRT Assignment	I_ProdnRtgMiscPRTAssgmtDEX	Production Routing Miscellaneous PRT Assignment
Bill of Operations Sequence Operation Assignment	I_ProdnRtgSqcOpAssgmtDEX	Bill of Operations Sequence Operation Assignment
Production Routing Main Header	I_ProductionRoutingDEX	Production Routing Main Header
Production Routing Header	I_ProductionRoutingHeaderDEX	Production Routing Header

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable

Technical Object Name	CDS View:
	I_ProdnRoutingCompAllocDEX
	I_ProdnRoutingMatlAssgmtDEX
	I_ProdnRoutingOpSubordOpDEX
	I_ProdnRoutingSequenceDEX
	I_ProdnRtgDocPRTAssgmtDEX
	I_ProdnRtgEquipPRTAssgmtDEX
	I_ProdnRtgInspCharcAssgmtDEX
	I_ProdnRtgMatlPRTAssgmtDEX
	I_ProdnRtgInspCharcAssgmtDEX
	I_ProdnRtgMiscPRTAssgmtDEX
	I_ProdnRtgSqncOpAssgmtDEX
	I_ProductionRoutingHeaderDEX
	I_ProductionRoutingDEX
Application Component	PP-VDM (<i>Virtual Data Model in PP</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

4.2 Production Planning

4.2.1 CDS Views for Production Planning

Business Details

New CDS views were released for *Production Planning*.

The following table summarizes the new CDS views that were released for *Production Planning* under the *Material Requirements Planning* area.

New CDS Views Released for Production Planning

Name	Technical Name	Details
MRP Exception Message	I_MRPEXceptionMessage	MRP Exception Message
MRP Exception Message - Text	I_MRPEXceptionMessageText	
MRP Element Category	I_MRPElementCategory	MRP Element Category

Name	Technical Name	Details
MRP Element Category - Text	I_MRPElementCategoryText	
MRP Selection Group for Exception Messages	I_MRPExcptnMessageSelGroup	MRP Selection Group for Exception Messages
MRP Selection Group for Exception Messages - Text	I_MRPExcptnMessageSelGroupText	
Planning Strategy Group	I_PlanningStrategyGroup	Planning Strategy Group
Action Control for Planned Order - Value Help	I_PlannedOrderActionControlVH	Action Control for Planned Order - Value Help
Scheduling Float Profile - Value Help	I_SchedulingFloatProfileVH	Scheduling Float Profile - Value Help
Processing Action for Planned Order	I_PlannedOrderProcgAction	Processing Action for Planned Order
Processing Action for Planned Order - Text	I_PlannedOrderProcgActionText	

The following table summarizes the CDS views that were updated with field additions for *Production Planning* under the *Material Requirements Planning* area.

CDS Views Changed for Production Planning

Name	Technical Name	Details
Material Procurement Profile	I_Mat1ProcurementProfile	Material Procurement Profile
MRP Area Planning File Entry	I_MRPAreaPlanningFileEntry	MRP Area Planning File Entry

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable

Technical Object Name	CDS View: I_MRPEXceptionMessage I_MRPEXceptionMessageText I_MRPElementCategory I_MRPElementCategoryText I_MRPEXCPTNMessageSelGroup I_MRPEXCPTNMessageSelGroupText I_PlannedOrderActionControlVH I_PlanningStrategyGroup I_SchedulingFloatProfileVH I_PlannedOrderProcgAction I_PlannedOrderProcgActionText I_MRPAreaPlanningFileEntry I_MatIProcurementProfile
Application Component	PP-VDM (<i>Virtual Data Model in PP</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

4.2.2 Material Requirements Planning

4.2.2.1 Planning Time Fence and Last MRP Run

Business Details

The *Manage Material Coverage (F0251 and F0251A)* app has been enhanced to include information about the last MRP run, and information about the planning time fence or manual firming date of a material.

Last MRP Run

The *Manage Material Coverage* apps now contain an additional column called *Last MRP Run* which specifies the date and time at which the last MRP run was performed for a material. You can also view this information from the *Material Information* tab.

You can also use the *Last MRP Run* filter to only display materials for which an MRP run was performed on a specific date or during a certain time range.

Planning Time Fence and Manual Firming Date

You can use a planning time fence to protect procurement proposals from automatic changes during the MRP planning run. If a planning time fence is defined in the material master data or for the MRP group a material

is assigned to, the system can automatically firm the following types of receipt elements, depending on the firming type of the material:

- Purchase Requisitions
- Planned Orders
- Delivery Schedule Lines

The same applies to materials with a manual firming date. If the manual firming date is after the end of the planning time fence, the system uses this date to determine which elements are firming.

For materials with a planning time fence or manual firming date, the stock / requirements list in the [Manage Material Coverage](#) apps now display a separate row to indicate that a planning time fence or manual firming date is assigned, and to provide information about the corresponding dates. This way, you can easily check which elements have been firming automatically, because their availability date is before the end of the planning time fence or manual firming date. If you want to adapt the manual firming date for a material, you can also edit it directly from the new row. The changes are immediately reflected in the stock / requirements list.

Note

You can also implement this feature in lower versions of 2023. Learn more in SAP Note [3586336](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: <ul style="list-style-type: none">• F0251A• F0251
Application Component	PP-FIO-MRP-2CL (Material Requirements Planning)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

4.2.2.2 Accept Planning Result of MRP Run

Business Details

With this feature, you can accept the planning result of the MRP run, in cases where the production planner chooses to ignore material issues.

This feature provides the following enhancements:

- In the *Manage Material Coverage (F0251A and F0251)* apps, you can accept the planning result of the MRP run for the selected material at the selected segment using the *Accept MRP Result* button. Subsequently, you can revoke the acceptance of the planning result of the MRP run using the *Revoke Acceptance* button.
- The *Monitor Material Coverage - Net Segments (F0247A)* and *Monitor Material Coverage - Net and Individual Segments (F2101A)* apps now contain an additional filter and column named *MRP Result Accepted* to identify materials based on the status of their MRP run result acceptance.
- You can accept and subsequently, revoke the acceptance of the planning result of the MRP run from the *Display Stock/Requirements Situation (MD04)* and *Current Material Overview (MD07)* transactions.

Note

When the next MRP planning run is performed, the system may reset the acceptance, depending on the type of planning run:

- If you perform a net change run, the status is only reset for materials that have MRP-relevant changes and are therefore, included in the planning.
- If you perform a regenerative planning run, the status is reset for all materials.

Note

You can also implement this feature in lower versions of 2023. Learn more in SAP Note [3576000](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: <ul style="list-style-type: none">• F0247A• F2101A• F0251A• F0251

Application Component	PP-MRP (<i>Material Requirements Planning</i>) PP-FIO-MRP (<i>Fiori UI for Material Requirements Planning</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[Monitor Material Coverage - Net and Individual Segments](#)

[Manage Material Coverage \(F0251\)](#)

[Manage Material Coverage \(F0251A\)](#)

4.2.2.3 Rescheduling Proposals for MRP Elements

Business Details

With this feature, the *Monitor Material Coverage - Net Segments (F0247A)* and *Monitor Material Coverage - Net and Individual Segments (F2101A)* apps were enhanced to display information about the number of rescheduling proposals that are available for a material in the *Manage Material Coverage (F0251A and F0251)* apps.

When you perform a rescheduling check for a material, the system can determine and propose actions for MRP elements to make sure requirements can be covered as planned. The *Monitor Material Coverage* apps now include additional columns that display the number of rescheduling proposals that are available for the MRP elements of a material in the *Manage Material Coverage* apps:

- **Reschedule In**
This column displays the number of proposals to reschedule MRP elements to an earlier date.
- **Reschedule Out**
This column displays the number of proposals to reschedule MRP elements to a later date.
- **Cancel Process**
This column displays the number of proposals to cancel MRP elements that are no longer required.
- **Rescheduling Proposals**
This column displays the sum of all rescheduling proposals that are available for a material.

You can use the *Manage Material Coverage* apps to display details about the rescheduling proposals and perform the proposed actions as required.

Note

You can also implement this feature in lower versions of 2023. Learn more in SAP Note [3586336](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: <ul style="list-style-type: none">• F0247A• F2101A• F0251A• F0251
Application Component	PP-FIO-MRP (<i>Fiori UI for Material Requirements Planning</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[Monitor Material Coverage - Net and Individual Segments](#)
[Actions for Material Coverage Issues](#)

4.2.2.4 BAdI for Adjustment of Planned Order Component Data during BOM Explosion

Business Details

With this new Business Add-In (BAdI), *Adjustment of Planned Order Component Data during BOM Explosion* (PPH_PLDORD_COMP_ADJ), you can modify the storage location and production supply area of components in planned orders during BOM explosion in the following processes:

- Planning run of material requirements planning and master production scheduling
- Manual planned order creation
- Backflush for repetitive manufacturing without planned order

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	PPH_PLDORD_COMP_ADJ
Application Component	PP-MRP (<i>Material Requirements Planning</i>) PP-PLO (<i>Planned Orders</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

4.2.2.5 BAdI for Allowing Additional Parameters for Navigation Profile

Business Details

With this new Business Add-In (BAdI), *Additional Parameters for Navigation Profile* (MD-NAVIGATION_ADJUST), you can change the parameter IDs for transactions which are maintained in Customizing activity *Define Navigation Profiles*.

Navigation profiles enable you to navigate faster and more flexibly between transactions. This BAdI offers the possibility to use more than only three parameter IDs.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	MD_NAVIGATION_ADJUST
Application Component	PP-MRP (<i>Material Requirements Planning</i>) PP-MRP-PE (<i>Planning Evaluation</i>)

Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

4.3 Production Operations

4.3.1 CDS Views for Discrete and Process Manufacturing

Business Details

New CDS views were released for *Production Operations* under the *Discrete and Process Manufacturing* area.

The following table summarizes the new CDS views that were released for *Production Operations* under the *Discrete and Process Manufacturing* area.

New CDS Views Released for Discrete and Process Manufacturing

Name	Technical Name	Details
Production Scheduling Profile - Value Help	I_ProductionSchedgProfileVH	Production Scheduling Profile - Value Help
Production Supervisor - Standard Value Help	I_MfgOrderProdnsupervisorStdVH	Production Supervisor - Standard Value Help

The following table summarizes the CDS views that were updated with field additions for *Production Operations* under the *Discrete and Process Manufacturing* area.

CDS Views Changed for Discrete and Process Manufacturing

Name	Technical Name	Details
Order Header	I_Order	Order Header
Manufacturing Order Status	I_ManufacturingOrderStatus	Manufacturing Order Status
Manufacturing Order with Status	I_MfgOrderWithStatus	Manufacturing Order with Status

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable

Technical Object Name	CDS View: I_Order I_ProductionSchedgProfileVH I_ManufacturingOrderStatus I_MfgOrderWithStatus I_MfgOrderProdnSupervisorStdVH
Application Component	PP-VDM (<i>Virtual Data Model in PP</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

4.3.2 CDS Views for Discrete Manufacturing

Business Details

New CDS views were released for *Production Operations* under the *Discrete Manufacturing* area.

The following table summarizes the new CDS views that were released for *Production Operations* under the *Discrete Manufacturing* area.

New CDS Views Released for Discrete Manufacturing

Name	Technical Name	Details
Production Order Header	I_ProductionOrder	Production Order Header
Production Order - Standard Value Help	I_ProductionOrderStdVH	Production Order - Standard Value Help
Production Order Component	I_ProductionOrderComponent	Production Order Component
Production Order Confirmation	I_ProductionOrderConfirmation	Production Order Confirmation
Production Order Document Link	I_ProductionOrderDocumentLink	Production Order Document Link
Production Order by Internal ID	I_ProductionOrderInternalID	Production Order by Internal ID
Production Order Item	I_ProductionOrderItem	Production Order Item
Production Order Operation	I_ProductionOrderOperation_2	Production Order Operation
Production Order Operation - Value Help	I_ProductionOrderOperationVH	Production Order Operation - Value Help
Individual Capacity of Production Order Operation	I_ProdnOrderOperationCapacity	Individual Capacity of Production Order Operation
PRT of a Production Order	I_ProductionOrderPRT	PRT of a Production Order
Production Order Sequence	I_ProductionOrderSequence	Production Order Sequence

Name	Technical Name	Details
Production Order Sequence - Value Help	I_ProductionOrderSequenceVH	Production Order Sequence - Value Help
Production Order Trigger Point	I_ProductionOrderTriggerPoint	Production Order Trigger Point
Production Order Type	I_ProductionOrderType	Production Order Type
Production Order Type - Standard Value Help	I_ProductionOrderTypeStdVH	Production Order Type - Standard Value Help
Serial Number of Production Order Item	I_ProdnOrderItemSerialNumber	Serial Number of Production Order Item

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	<p>CDS View:</p> <ul style="list-style-type: none"> I_ProductionOrder I_ProductionOrderStdVH I_ProductionOrderComponent I_ProductionOrderConfirmation I_ProductionOrderDocumentLink I_ProductionOrderInternalID I_ProductionOrderItem I_ProductionOrderOperation_2 I_ProductionOrderOperationVH I_ProdnOrderOperationCapacity I_ProductionOrderSequence I_ProductionOrderSequenceVH I_ProductionOrderTriggerPoint I_ProductionOrderType I_ProductionOrderTypeStdVH I_ProdnOrderItemSerialNumber ProductionOrderPRT



Application Component	PP-VDM (<i>Virtual Data Model in PP</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

4.4 Quality Management

4.4.1 Quality Management: Small Enhancements as Part of SAP Continuous

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 (<i>Quality Planning</i>)	Print List for Tasklists With <i>My Default</i> Using Transaction QP05N	S4CORE 108	New	329631 	3580094 

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 SPS04

4.5 Country/Region Specifics

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

5 R&D/Engineering

5.1 Enterprise Portfolio and Project Management

5.1.1 SAP Portfolio and Project Management

5.1.1.1 Portfolio Management

5.1.1.1.1 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>)	Mass Analysis of Change Documents with Report /RPM/ CDOC_ANALYZE	S4CORE 108	New	314598	3560661

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-PPM (<i>Portfolio Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 SPS04

5.1.1.2 Project Management

5.1.1.2.1 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 (<i>Project Management</i>)	Distribute Remaining Work in Role-Task Assignments	S4CORE 108	New	301283	3421220
PPM-PRO (<i>Project Management</i>)	Gantt Chart Legend	S4CORE 108	New	310974	3486391
PPM-PRO (<i>Project Management</i>)	Individual Phase/ Task Transferred to Project System Based on Status	S4CORE 108	New	301505	3544740
PPM-PRO (<i>Project Management</i>)	Uniqueness Check for Project Element Phase and Tasks	S4CORE 108	New	318743	3591747
PPM-PRO (<i>Project Management</i>)	Include Multiple Roles	S4CORE 108	New	313428	3571638

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-PRO (<i>Project Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 SPS04

5.2 Product Lifecycle Management

5.2.1 Product Change Management

5.2.1.1 Enhancements to BAdI: Dynamic Field Control

Business Details

The BAdI *Dynamic Field Control* (/PLMI/BD_CR_DYN_FLD_CTRL) has been enhanced: You can now use this BAdI to control the visibility of standard and custom fields in the header of the *Manage Change Records* app for complex use cases.

Implementation Details

The following new import parameter is supported: IV_CR_UUID – for the retrieval of CR data that can be used in a complex logic. The following new change parameter is supported: CS_STD_FL_CTRL – structure for standard field control, dynamically built up based on field availability.

Customizing

You can access this BAdI from the SAP Customizing Implementation Guide (IMG) via [► Logistics – General](#) [► Product Lifecycle Management](#) [► Change Records](#) [► Business Add-Ins \(BAdIs\)](#) [► BAdI: Dynamic Field Control](#) [►](#). Please refer to the system documentation for details.

Effects on Existing Data

Settings made via this BAdI overrule the existing Customizing settings made in Customizing at [► Logistics – General](#) [► Product Lifecycle Management](#) [► Change Records](#) [► Settings for Change Records](#) [► Define Change](#)

[Record Types](#) > [Dynamic Field Control](#) > For additional instructions and benefits of this feature, you can refer to the [3580843](#).

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	BAdI: /PLMI/BD_CR_DYN_FLD_CTRL
Application Component	PLM-CR (Change Record)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[Customizing Settings](#)

5.2.1.2 New Report for Change Record Data Correction

Business Details

A new report `/PLMI/CR_BIT_CORRECTION` is available. You can use this report to correct change record BOM item data after a system upgrade.

Implementation Details

It is mandatory to run this report after an upgrade to the 2023 SPS04 release. The purpose of this report is to avoid BOM item duplicates in the [Manage Change Records](#) app due to incomplete keys.

Effects on Existing Data

This report updates the database table `/IAM/D_I_OBJ_REF` for Change Record BOM items:

For BOM items where the `INTERNAL_ID1 = M`, this ID is set to `Empty` so that component data can be stored correctly.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	/PLMI/CR_BIT_CORRECTION
Application Component	Not applicable
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

5.2.1.3 User Interface Visual Harmonization

Business Details

User interface elements and some navigation functions were harmonized for the *Manage Change Records* app.

For the change record items *Equipment BOM (EBM)*, *Class (CLS)*, *Specification (SPC)*, and *Functional Location BOM (FBM)*, new navigation buttons for create, update and display functionalities were added for several reference items; the order of existing buttons was harmonized. For detailed information, see [3604166](#) and [3631317](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: F2097
Application Component	PLM-CR (<i>Change Record</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[Manage Change Records](#)

5.2.1.4 Tracking Changes via New Tab: Change Documents for Change Records

Business Details

A new tab *Change Documents* is now available in the *Manage Change Records* app. On this tab, the system tracks changes to the change record. You can adapt the view to include detailed information on which value was changed in which field (down to the related table entries), which user made the change, as well as the date and time of the change, and others. You can sort and group the tracked changes.

Changes that are tracked include header, items, classifications, and comments.

Note

Tracking happens on field level and is based on backend Customizing for the related field table entries. To check if tracking is enabled, you need to call up the related table and verify the following on field label: If on the *Further Attributes* tab of a field, the *Change document* checkbox is marked, changes to this field are tracked and appear in the *Change Documents* section of the *Manage Change Records* app.

Implementation Details

Tracking is available for all change record types. If you don't want the *Change Documents* tab to be visible in the *Manage Change Record* app, you can hide the tab in backend Customizing at ► [Logistics – General](#) ► [Product Lifecycle Management](#) ► [Change Records](#) ► [Settings for Change Records](#) ► [Define Change Record Types](#) ► [Control Status-Based Tab Visibility](#) ►.

Authorizations

You have the appropriate authorization, see the section *Participants in Change Management* in [Change Record \(PLM-CR\)](#).

For additional instructions and benefits of this feature, including information on which fields are tracked, please, you can refer to the SAP Note [3608693](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: F2097
Application Component	PLM-CR (Change Record)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[Adding Objects to a Change Record](#)

5.2.1.5 New Option: Default Item Relevance for Impact Analysis

Business Details

A new option to define a default relevance for change record items has been added. If you now define a default relevance for a specific change record item, this default item relevance will be used when the item is linked to a change record during impact analysis.

Implementation Details

Customizing

The new value can be mapped in Customizing under [Logistics – General](#) > [Product Lifecycle Management](#) > [Change Records](#) > [Settings for Change Records](#) > [Define Item Relevance](#). To define a default item relevance, mark the [Default for Link to CR](#) checkbox. For additional instructions and benefits of this feature, you can refer to the SAP Note [3578782](#).

Effects on Existing Data

If this checkbox is marked, the selected relevance will be used when an item is newly linked to a change record during impact analysis.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	PLM-CR (Change Record)
Availability	PLM-CR (Change Record)
Valid as Of	2023 SPS04

Related Information

[Define Change Record Types](#)

5.2.1.6 Enhancements to BAdI: Extend Actions and Checks in Change Records

Business Details

The BAdI [Extend Actions and Checks in Change Records](#) (/PLMI/CR_STS_ACTION) has been enhanced: This BAdI now verifies that any related change records that have been added to a change record in the [Manage Change Records](#) app are completed before the change record can be completed.

Implementation Details

The following new implementation is provided: /PLMI/IM_ES_CR_REL_STATUS. When the BAdI is called by default, this implementation ensures that a change record can only be completed if all related change records are completed. The implementation only checks for relations of type [Depends on \(DO\)](#). The BAdI is executed if, in the Customizing activity [Define User Status Actions](#), the column [Business Object](#) contains the business object /PLMI/CHANGE_RECORD and the column [BO Action Name](#) contains the value COMPLETEPROCESS.

Customizing

You can access this BAdI from the SAP Customizing Implementation Guide (IMG) via [Logistics – General](#) [Product Lifecycle Management](#) [Change Records](#) [Business Add-Ins \(BAdIs\)](#) [BAdI: Extend Actions and Checks in Change Records](#). Please refer to the system documentation for details.

Effects on Existing Data

If a user tries to complete a change record before the related change records are completed, the change record can't be completed and an error is raised. For additional instructions and benefits of this feature, you can refer to the [3569108](#).

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	BAdI: /PLMI/CR_STG_ACTION
Application Component	PLM-CR (Change Record)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[App Extensibility: Manage Change Records \(Expert\)](#)

5.2.1.7 Extended List of Objects for Non-Regulated Industries

Business Details

Checks for regulated industry objects have been extended in the [Manage Change Records](#) app: You can specify if a change record will be used for a regulated industry using the [Non Regulated Industry](#) checkbox. If this checkbox is not marked and a user uses a specific change number to make changes to a business object, the system will use the change number to find the related change record and check if the changed object is assigned to this change record. This check is now done for objects of type bill of material (BOM), BOM item (BIT), material (MAT), document (DOC), production routing (PRG) equipment task list (ETL), functional location (FTL), maintenance task list (MTL), and product structure variant (PSV).

Implementation Details

Customizing

You can set this checkbox in Customizing at [Logistics - General](#) > [Product Lifecycle Management](#) > [Change Records](#) > [Settings for Change Records](#) > [Define Change Record Types](#).

Follow the system documentation or field help to perform the necessary Customizing steps. For additional instructions and benefits of this feature, you can refer to the SAP Note [3568700](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	not applicable
Technical Object Name	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Application Component	PLM-CR (Change Record)
Availability	PLM-CR (Change Record)
Valid as Of	2023 SPS04

5.2.1.8 Viewing Details and Accessing Attachments of Process Route Workflow Items in CR

Business Details

Process routes can be used to manage the workflow tasks of the change record. As part of a workflow, agents receive process route tasks in their inbox for processing. As an agent, you can now view details and access attachments of a workflow task directly from the [Process Route](#) section in the [Manage Change Records](#) app.

In the [Process Route](#) section, process tasks are displayed in a structured list. The following new functions were added to the list of process tasks:

- A new [Attachments](#) button to the right lets you access all attachments that exist for a particular process task, for example, text files or images in a separate [Attachments](#) window. From this window, you can open or download the existing attachments.
- You can access additional information using the [View Details](#) button. Here, you can now also see which user completed the task under [Processed by](#).

Implementation Details

Authorizations

You have the appropriate authorization, see the section *Participants in Change Management* in [Change Record \(PLM-CR\)](#). For additional instructions and benefits of this feature, you can refer to the SAP Note [3608941](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: F2097
Application Component	PLM-CR (Change Record)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[Manage Change Records](#)

5.2.1.9 ECM Lifecycle Checks Indicator

Business Details

You can select the *ECM Lifecycle Checks Indicator* checkbox to block changes to the change master related to a change record, if the change record has any of the following statuses: closed, completed, canceled, or deleted.

Implementation Details

Customizing

The new checkbox is located in the Customizing for [Define Change Record Types](#) under [Logistics - General](#) [Product Lifecycle Management](#) [Change Records](#) [Settings for Change Records](#).

Follow the system documentation or field help to perform the necessary Customizing steps. For additional instructions and benefits of this feature, you can refer to the SAP Note [3558318](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: F2097
Application Component	PLM-CR (Change Record)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[Define Change Record Types](#)

5.2.1.10 Editing Component Information When Adding BOM Items

Business Details

You can now edit the *Component* information when adding a BOM item to a change record directly in the [Manage Change Records](#) app. The API `API_CHANGE_RECORD` has been enhanced accordingly.

When adding a BOM item to a change record and creating a relevance directly in the [Manage Change Records](#) app, items with identical BOM numbers may already exist in the change record. You can now identify the added items and avoid duplicate entries through editing the component information directly in the app.

Implementation Details

For additional instructions and benefits of this feature, you can refer to the SAP Note [3524888](#) and SAP Note [3586904](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	not applicable
Technical Object Name	App ID: F2097
Application Component	PLM-CR (<i>Change Record</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[BOM Item Assignments to Change Records](#)

5.2.1.11 Change Record Reverse Item Relevance

Business Details

With this feature, you can maintain a reverse item relevance and define its relationship to an existing change record item relevance. A reverse item relevance establishes a mutual relationship between linked change records. Possible relationships are, for example, *Resolves* or *Implements*.

Implementation Details

Customizing

You can maintain reverse item relevances in Customizing for [Logistics – General](#) > [Product Lifecycle Management](#) > [Change Records](#) > [Settings for Change Records](#) > [Define Item Relevance](#). A reverse item relevance establishes a mutual relationship between linked change records. This option is only considered for objects of type *Change Record*. Only one reverse item relevance can exist for each relevance. For additional instructions and benefits of this feature, you can refer to the SAP Note [3550029](#).

Effects on Existing Data

The defined relevance types are referenced in the Customizing activity [Define Change Record Types](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	not applicable
Technical Object Name	App ID: F2097
Application Component	PLM-CR (Change Record)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[Adding Objects to a Change Record](#)

[Create Links Between Change Records via New Tab: Related Change Records \[page 46\]](#)

5.2.1.12 Create Links Between Change Records via New Tab: Related Change Records

Business Details

You can create links between change records directly in the [Manage Change Records](#) app using the new [Related Change Records](#) tab. If a relevance between change record items is created in Customizing, you can create and edit links to [Related Change Records](#) via setting item relevances between change record items using the [Derive New Change Record](#) dialog. Links between change records can be set based on the respective object type. The API `API_CHANGE_RECORD` has been enhanced accordingly.

Implementation Details

Customizing

You need to create the required relevances in the Customizing activity [Define Item Relevances](#) at [Logistics – General](#) [Product Lifecycle Management](#) [Change Records](#) [Settings for Change Records](#). You can use these relevances to create relationships between change record items per object type in the Customizing activity [Define Change Record Types](#). The [Related Change Records](#) tab is only visible in the [Manage Change Records](#) app if the selected change record contains [Change Record](#) as reference item (see also [Change Record](#)

[Reverse Item Relevance \[page 45\]](#)). For additional instructions and benefits of this feature, you can refer to the SAP Note [3550029](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: F2097
Application Component	PLM-CR (<i>Change Record</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[Adding Objects to a Change Record](#)

[Change Record Reverse Item Relevance \[page 45\]](#)

[OData API for Change Record: Version Number Change and New Entities \[page 49\]](#)

5.2.1.13 New Mapping Value for Change Number Handling: Effectivity Type

Business Details

You can set a new value `EFFECTIVITY_TYPE` to map an effectivity type as change number attribute to the corresponding change record value at header or item level.

Implementation Details

Customizing

The new value can be mapped in Customizing under [Logistics – General](#) > [Product Lifecycle Management](#) > [Settings for Change Records](#) > [Define Change Record Types](#) > [Change Number Handling at Change Record](#)

[Header](#) or [Change Number Handling at Change Record Item](#) > [Object Types](#) > [Define Attributes](#). For additional instructions and benefits of this feature, you can refer to the SAP Note [3564262](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	not applicable
Technical Object Name	App ID: F2097
Application Component	PLM-CR (Change Record)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[Define Change Record Types](#)

[Effectivity Type Added in Service Interfaces for Change Management \[page 56\]](#)

5.2.1.14 Modifying Change Record Status via API

Business Details

You can now change the status of a change record using the API `API_CHANGE_RECORD`.

A new action `updateUserStatus` has been added to the API `API_CHANGE_RECORD`. This action can be used to change the status of a change record via the API.

Implementation Details

For additional instructions and benefits of this feature, you can refer to the SAP Note [3595229](#).

Customizing

User statuses and user status actions need to be defined in the Customizing activities [Create User Statuses](#) and [Create User Status Actions](#) at [Logistics – General](#) > [Product Lifecycle Management](#) > [Change Records](#) > [Settings for Change Records](#) > [Define User Statuses](#) .

Effects on Existing Data

Upon a status change of a change record, the related user status action invoked

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	API API_CHANGE_RECORD
Application Component	PLM-CR (Change Record)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[Change Record Header Data](#)
[Update User Status of a Change Record](#)

5.2.1.15 OData API for Change Record: Version Number Change and New Entities

Business Details

The OData V2 API API_CHANGE_RECORD has been updated with a new version number, two new entities were added:

- The version number has changed to: 1 . 5 . 0 .
- The following new entities were added:

- *Change Record Description* (A_ChangeRecordDesc): This new entity allows you to read and create change record descriptions in multiple languages. For more information, see [Change Record Description](#).
- *Related Change Record Assignments to Change Record* (A_ChangeRecordRelatedChange): This new entity allows you to read, update, remove, and link information on related changes to a change record. For more information, see [Related Change Record Assignments to Change Records](#).

Implementation Details

Effects on Existing Data

The data is added to the existing change record data and can be used in the *Manage Change Records* app.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	API_CHANGE_RECORD
Application Component	PLM-CR (<i>Change Record</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[Create Links Between Change Records via New Tab: Related Change Records \[page 46\]](#)

[Enhanced Change Number Handling and New Data at Item Level \[page 50\]](#)

5.2.1.16 Enhanced Change Number Handling and New Data at Item Level

Business Details

The handling of change numbers at the header and item level of a change record has been enhanced. On the header level, you can now configure the system to automatically update a change master when the change

record moves to a certain status. Moreover, attribute mapping and field synchronization have been enhanced. On the item level, you can map the value of a CR item description to any field in the ECN for create and update scenarios.

- Header Level:
 - Configure the system to automatically update a change master when the change record moves to a certain status. The *Update Change Number* checkbox controls if a change number will be updated automatically when the change record moves to the respective status. The corresponding attributes can be mapped from the change record to the ECN and will be changed during the CR status change according to Customizing. You can now flag several change record statuses for ECN creation or update. Please note: If you choose to create or update change numbers, the *Change Number* field in the *Manage Change Record* app will be read-only for that change record type.
 - You can now map fields from a change record to an ECN with more flexibility. You can map any field from a change record or constant to any change number field.
 - A *Keep in Sync* checkbox allows you to map attributes even without a change record status change. If the checkbox is marked for a combination of change record field and change number field, field mapping happens during the saving of the change record or the change number (backward scenario). If the checkbox is not marked, mapping happens only once during a change record status change. Backwards mapping from an ECN to a change record is only possible if the *Keep in Sync* flag is set for a combination of change record field and change number field. You can mark only one CR field for *Keep in Sync* with the respective ECN field.

Note

The fields *Effectivity Type*, *Function*, and *Profile* can only be mapped during initial ECN creation.

- Item Level:
 - On item level, you can map the value of a CR item description to any field in the ECN for create and update scenarios. Example: You map the new CR item DESCRIPTION field to ECN fields for create and update scenarios (see also [Enhanced Descriptions Handling for Change Records, including Multiple Languages \[page 52\]](#)). This field is available for the following object types: BIT, BOM, CHR, CLS, CPP, DOC, EQB, ETL, FBM, FTL, INP, LBL, MAT, MRC, MTL, OBM, PRG, PSV, RCP, RRT, SBM, SPC, WBM, ROS, RRO, VBM.

Note

On item level, attribute mapping for an inherited change number through a CR item status update is no longer possible

- The *Deactivate CN* option on item level has been replaced by an *Update CN* option. It is now possible to map attributes for this option during a change record item status change. You can map any change record item attribute or constant to any of the change number fields.

Implementation Details

Customizing

You can access the enhanced function in Customizing at [Logistics – General](#) > [Product Lifecycle Management](#) > [Change Records](#) > [Settings for Change Records](#) > [Define Change Record Types](#) > [Change](#)

[Number Handling at Change Record Header](#) or [Change Number Handling at Change Record Item](#). Please refer to the system documentation for details.

For additional instructions and benefits of this feature, you can refer to the SAP Notes [3586681](#), [3578782](#), and [3596394](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	PLM-CR (Change Record)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[Customizing Settings](#)

[Creating a Change Record](#)

[OData API for Change Record: Version Number Change and New Entities \[page 49\]](#)

[Enhanced Descriptions Handling for Change Records, including Multiple Languages \[page 52\]](#)

5.2.1.17 Enhanced Descriptions Handling for Change Records, including Multiple Languages

Business Details

On the header level, you can now create descriptions for change records in multiple languages without having to log on to the system in the respective language. On the item level, you can map descriptions for change record items.

In the [Descriptions](#) area on the header level, a new table for multi-language descriptions shows all existing descriptions along with the respective language in the area. Here, you can maintain descriptions in various languages, independently from your logon language.

In the *Manage Change Records* app, you can maintain descriptive information in the enhanced *Detailed Description* field. This field has been enlarged and is now rich-text enabled.

If a record includes data from merged change records, you can now see the descriptions of each merged change record in the *Details* window. Select a merged change record from the *Hierarchy* to open the *Details* window to the right.

For change record items, you can maintain CR item descriptions using a new field *DESCRIPTION*. In case of a synchronization between a change record and a change number, these item descriptions can be mapped to any field in the ECN (see also [Enhanced Change Number Handling and New Data at Item Level \[page 50\]](#)).

The `API_CHANGE_RECORD` has been updated accordingly.

Implementation Details

Customizing

For additional instructions and benefits of this feature, you can refer to the SAP Notes [3593569](#) and [3612767](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	PLM-CR (<i>Change Record</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[Creating a Change Record](#)

[OData API for Change Record: Version Number Change and New Entities \[page 49\]](#)

5.2.1.18 Enhancements to Dynamic Field Control for Change Records

Business Details

The Customizing of dynamic field control for change records has been enhanced: You can now control standard and custom fields in the header of the *Manage Change Records* app using the standard Customizing for change records. For complex use cases, you can use a BAdI (see [Enhancements to BAdI: Dynamic Field Control \[page 35\]](#)).

Implementation Details

The standard setting has been enhanced and is now available for standard and custom header fields. Use this function to control if header fields should be *hidden* or *read-only*. You can also use this function to set fields to be *Mandatory*.

Customizing

You can access the enhanced function in Customizing at [Logistics – General](#) > [Product Lifecycle Management](#) > [Change Records](#) > [Settings for Change Records](#) > [Define Change Record Types](#) > [Dynamic Field Control](#). Please refer to the system documentation for details.

Effects on Existing Data

Settings made here can be overruled by a BAdI, see [Enhancements to BAdI: Dynamic Field Control \[page 35\]](#). For additional instructions and benefits of this feature, you can refer to the [3565465](#).

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	PLM-CR (<i>Change Record</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[Control Visibility of Reference Objects and Tabs in Manage Change Records App \[page 55\]](#)

5.2.1.19 Control Visibility of Reference Objects and Tabs in Manage Change Records App

Business Details


You can use new Customizing options to control the visibility and usability of reference objects and tabs in the *Manage Change Records* app.

You can use the *Reference Objects Visibility* setting to set fields for reference objects to *read-only* or *hidden* in the *Manage Change Records* app, depending on certain user statuses.


You can use the *Control Status-Based Tab Visibility* function to set additional sections of the *Manage Change Records* app to *read-only* or *hidden*, depending on certain user statuses. This setting is available for Reference Objects (only hiding), Hierarchy (only hiding), Attachments, Classification, and Comments.

Implementation Details

Customizing

You can access the settings in Customizing for [► Logistics – General ► Product Lifecycle Management ► Change Records ► Settings for Change Records ► Define Change Record Types](#) . Choose *Reference Objects Visibility* to set reference objects to *read-only* or *hidden*, depending on certain user statuses. Choose *Control Status-Based Tab Visibility* to set tabs to *read-only* or *hidden*, depending on certain user statuses.

Effects on Existing Data

In the *Manage Change Records* app, reference objects and tabs are hidden or read-only, according to the settings made in Customizing. For additional instructions and benefits of this feature, you can refer to the [3565465](#) .

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable

Technical Object Name	Not applicable
Application Component	PLM-CR (Change Record)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[Enhancements to Dynamic Field Control for Change Records \[page 54\]](#)

5.2.1.20 Effectivity Type Added in Service Interfaces for Change Management

Business Details

A new field *Effectivity Type* has been added to several service interfaces for change management.

You can set a new value `EFFECTIVITY_TYPE` to map an effectivity type as change number attribute to the corresponding change record value at header or item level.

Implementation Details

Customizing

The new value can be mapped in Customizing under [Logistics – General](#) > [Product Lifecycle Management](#) > [Settings for Change Records](#) > [Define Change Record Types](#) > [Change Number Handling at Change Record Header](#) or [Change Number Handling at Change Record Item](#) > [Object Types](#) > [Define Attributes](#). For additional instructions and benefits of this feature, you can refer to the SAP Note [3564262](#).

Effects on Existing Data

The new field has been added to the following service interfaces: `A_ChangeRecord`, `A_ChangeRecordReferenceBit`, `A_ChangeRecordReferenceBOM`, `A_ChangeRecordRefCharc`, `A_ChgRecdEquipBOM`, `A_ChangeRecordRefClass`, `A_ChgRecdRefEquipTskList`, `A_ChgRecdFuncLocBOM`, `A_ChangeRecordRefProdnRouting`, `A_ChgRecdRefOpSetTskList`, `A_ChgRecdRefStdBOM`, `A_ChgRecdRefVarBOM`, `A_ChgRecdFuncLocTskList`, `A_ChangeRecordReferencePSV`, `A_ChgRecdWBSElmtBOM`. The `API_CHANGE_RECORD` has been updated accordingly.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	CDS Views: A_ChangeRecord, A_ChangeRecordReferenceBit, A_ChangeRecordReferenceBOM A_ChangeRecordRefCharc, A_ChgRecdEquipBOM, A_ChangeRecordRefClass, A_ChgRecdRefEquipTskList A_ChgRecdFuncLocBOM, A_ChangeRecordRefProdnRouting, A_ChgRecdRefOpSetTskList, A_ChgRecdRefStdBOM, A_ChgRecdRefVarBOM, A_ChgRecdFuncLocTskList, A_ChangeRecordReferencePSV, A_ChgRecdWBSElmtBOM
Application Component	PLM-CR (<i>Change Record</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[New Mapping Value for Change Number Handling: Effectivity Type \[page 47\]](#)

5.2.1.21 Setting Up E-Mail Notifications for Process Route Tasks

Business Details

In this new Customizing activity, you can define the e-mail notifications that will be sent to affected parties by the system when the status of a change record-related process route task is changed (for example, a task is forwarded, completed, or rejected).

When the task status is changed, the corresponding e-mail notification is sent. The recipients of the e-mails are defined based on the people involved in the process route task. If needed, you can use *BAdI: Extension of E-Mails for Process Route Tasks* to change the recipients, subject, and further attributes of the e-mail. For details about recipients of process route tasks, see also [New Agent Types and Team Definition Functions for Process Route Tasks \[page 59\]](#).

Implementation Details

Customizing

You can access the activity in Customizing at ► [Logistics – General](#) ► [Product Lifecycle Management](#) ► [Change Records](#) ► [Process Routes](#) ► [Set Up E-Mail Notifications](#) ►. Please refer to the system documentation for details. For additional instructions and benefits of this feature, you can refer to the [3583869](#).

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	PLM-CR (Change Record)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[Customizing Settings](#)

5.2.1.22 New BAdI: Update Change Number and Attributes for ECM Parameter Modification

Business Details

This new Business Add-In (BAdI) / `PLMI/CR_UPDATE_CHANGE_NUMBER` is used in change record (PLM-CR) component. You can use this BAdI to modify the ECM parameters maintained in change record Customizing to adjust change record attributes and add the change record ID to the change number field.

For each user status (change record status), you can control the creation or deactivation of change numbers and define which attributes are updated during a change in change record Customizing via ► [Define Change Record Types](#) ► [Change Number Handling at Change Record Header](#) ►. If you want to overwrite the values set

here and ensure that the change record ID is added as change number for the selected change record status, you can use this /PLMI/CR_UPDATE_CHANGE_NUMBER-.

Implementation Details

Customizing

You can access this BAdI from the SAP Customizing Implementation Guide (IMG) via [▶▶ Logistics – General ▶ Product Lifecycle Management ▶ Change Records ▶ Business Add-Ins \(BAdIs\) ▶ BAdI: Update Change Number and Attributes ▶](#). Please refer to the system documentation for details.

Settings made via this BAdI overrule the existing Customizing settings made in Customizing at [▶▶ Logistics – General ▶ Product Lifecycle Management ▶ Change Records ▶ Settings for Change Records ▶ Define Change Record Types ▶ Change Number Handling at Change Record Header ▶ Define Attributes ▶](#). For additional instructions and benefits of this feature, you can refer to the [3577783](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	BAdI: /PLMI/CR_UPDATE_CHANGE_NUMBER
Application Component	PLM-CR (<i>Change Record</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

5.2.1.23 New Agent Types and Team Definition Functions for Process Route Tasks

Business Details

Process route workflow creation has been simplified: Two new object types *Change Record Responsible* and *Change Record Creator* are now available. These object types can be selected as agent types during process route workflow creation. Agent types are used to assign a person as a recipient to a workflow task in change management.

Team definition has also been made easier: You can now open the [Team Definition](#) side panel directly from the process route dialog.

When a user creates or updates a process route workflow, the agent types [Change Record Responsible \(CZ\)](#) and [Change Record Creator \(CX\)](#) are available in the [Manage Change Records](#) app in the process route creation dialog. When a workflow is started, the system will do the following:

- If [Change Record Responsible](#) is selected, the system will add the user that is entered as [Change Responsible](#) as recipient of the workflow task. The recipient can't be changed in the [Team Definition](#) side panel (see below).
- If [Change Record Creator](#) is selected, the system will add the user that is entered as [Created by](#) as recipient of the workflow task.

There is no need to add the recipients manually. For additional instructions and benefits of this feature, you can refer to the [3588212](#) and related notes.

Additionally, you can now open the [Team Definition](#) side panel directly in the process route dialog using the > button [Open Dynamic Team Determination](#). Here, you can dynamically select or deselect recipients of process route tasks based on certain criteria, for example, organizational unit, team, team member or team function (for example, [Technical Engineer](#)).

For additional instructions and benefits of this feature, you can refer to the [3590979](#) and [3591414](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: F2097
Application Component	PLM-CR (Change Records)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 SPS04

Related Information

[Determining Agents](#)

5.2.1.24 New Copy Change Record Function

Business Details

You can now create a new change record based on an existing change record using a copy functionality in the [Manage Change Records](#) app. You can select which sections of the change record data you want to copy, for example, descriptions, items, classifications, attachments, or related change records.

You can copy change records with internal or external numbering.

Implementation Details

The copy function is available when one change record is selected. When multiple change records are selected, copying is disabled. You can't copy a change record that is in status *Draft* (no change record ID assigned). The selected subsections of the change record are copied to the new change record. If external numbering is used, an additional field *Change Record ID* is available. For additional instructions and benefits of this feature, you can refer to the [3578348](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: F2097
Application Component	PLM-CR (<i>Change Record</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[Creating a Change Record](#)

5.2.2 BAdI: Validate BOM Before Mass Maintain Execution

Business Details

This new Business Add-In (BAdI) BOM_MASS_BEFORE_EXECUTE is used in the `Bill of Material (LO-MD-BOM)` component. You can use this BAdI to carry out preliminary parameter checks before executing a BOM mass maintenance action.

You can carry out mass maintenance activities for bills of material, using various SAP Fiori apps. Rather than carrying out individual checks using the *Validate Before Saving* option, you can use this BAdI to perform preliminary, Customizing-specific or user-specific checks on the UI level of the mentioned apps regarding the used parameters that are passed for BOM mass maintenance.

Implementation Details

Customizing

You can access this BAdI via the SAP Customizing Implementation Guide (IMG) at [Production > Basic Data > Bill of Material > Control Data for Bills of Material > Business Add-Ins \(BAdIs\)](#).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	BAdI: BOM_MASS_BEFORE_EXECUTE
Application Component	LO-MD-BOM (<i>Bill of Material</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

6 Sales

6.1 Order and Contract Management

6.1.1 Price Management

6.1.1.1 OData API: Condition Record for Pricing in Sales

Business Details

In the *Condition Record for Pricing in Sales* OData API, the *Condition Record Validity* entity, which corresponds to the validity of condition records for pricing that are used in Sales, now contains additional properties.

The following properties are added:

Field	Description	Necessity for Create Operations	Necessity for Retrieval Operations	Necessity for Update Operations	Necessity for Delete Operations
ProductHierarchyNode1	The first level in the product hierarchy is used in the condition record.	Optional	Optional	Optional	Not Applicable
ProductHierarchyNode2	The second level in the product hierarchy is used in the condition record.	Optional	Optional	Optional	Not Applicable
ProductHierarchyNode3	The third level in the product hierarchy is used in the condition record.	Optional	Optional	Optional	Not Applicable
ProductHierarchyNode4	The fourth level in the product hierarchy is used in the condition record.	Optional	Optional	Optional	Not Applicable
ProductHierarchyNode5	The fifth level in the product hierarchy is used in the condition record.	Optional	Optional	Optional	Not Applicable
ProductHierarchyNode6	The sixth level in the product hierarchy is used in the condition record.	Optional	Optional	Optional	Not Applicable

Field	Description	Necessity for Create Operations	Necessity for Retrieval Operations	Necessity for Update Operations	Necessity for Delete Operations
ProductHierarchyNode7	The seventh level in the product hierarchy is used in the condition record.	Optional	Optional	Optional	Not Applicable
ProductHierarchyNode8	The eighth level in the product hierarchy is used in the condition record.	Optional	Optional	Optional	Not Applicable
ProductHierarchyNode9	The ninth level in the product hierarchy is used in the condition record.	Optional	Optional	Optional	Not Applicable
BillToParty	The number that uniquely identifies the bill-to party is used in the condition record.	Optional	Optional	Optional	Not Applicable
ShippingPoint	The physical location (such as a warehouse or a collection of loading ramps) from which you ship the item is used in the condition record.	Optional	Optional	Optional	Not Applicable
MaterialCommissionGroup	The commission group to which the material is assigned is used in the condition record.	Optional	Optional	Optional	Not Applicable

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_SLSPRICINGCONDITIONRECORD_SRV

Application Component	SD-BF-PR (<i>Pricing and Conditions</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 SPS04

Related Information

[Condition Record Validity](#)

6.1.1.2 SOAP API: Condition Record for Pricing in Sales - Replicate

Business Details

In the *Condition Record for Pricing in Sales - Replicate* SOAP API, the `ConditionValidity` subnode field in the `SalesPricingConditionRecord` node, which corresponds to the validity of condition records for pricing used in Sales, now contains additional properties.

The following fields are added:

Field	Description	Cardinality
<code>ProductHierarchyNode1</code>	The first level in the product hierarchy is used in the condition record.	0..1
<code>ProductHierarchyNode2</code>	The second level in the product hierarchy is used in the condition record.	0..1
<code>ProductHierarchyNode3</code>	The third level in the product hierarchy is used in the condition record.	0..1
<code>ProductHierarchyNode4</code>	The fourth level in the product hierarchy is used in the condition record.	0..1
<code>ProductHierarchyNode5</code>	The fifth level in the product hierarchy is used in the condition record.	0..1
<code>ProductHierarchyNode6</code>	The sixth level in the product hierarchy is used in the condition record.	0..1
<code>ProductHierarchyNode7</code>	The seventh level in the product hierarchy is used in the condition record.	0..1
<code>ProductHierarchyNode8</code>	The eighth level in the product hierarchy is used in the condition record.	0..1
<code>ProductHierarchyNode9</code>	The ninth level in the product hierarchy is used in the condition record.	0..1

Field	Description	Cardinality
BillToParty	The number that uniquely identifies the bill-to party is used in the condition record.	0..1
ShippingPoint	The physical location (such as a warehouse or a collection of loading ramps) from which you ship the item is used in the condition record.	0..1
MaterialCommissionGroup	The commission group to which the material is assigned is used in the condition record.	0..1

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: CO_SDCM_ESR_SALES_PRICING_COND_SPRX
Application Component	SD-BF-PR (Pricing and Conditions)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 SPS04

Related Information

[ConditionValidity](#)

6.1.2 Sales Billing

6.1.2.1 Proforma Invoice Delivery Check in Decentralized EWM

Business Details

This feature ensures that proforma invoices are created only after confirming that the outbound delivery data is updated with the latest warehouse information from the decentralized Extended Warehouse Management (EWM) system. This validation guarantees accurate and compliant proforma invoice creation.

If the system detects that decentralized EWM activities aren't completed for the delivery, meaning the data isn't up to date, it blocks invoice creation and displays an error message. By implementing this check, the feature ensures that proforma invoices are generated only when the decentralized EWM status at the header level is confirmed. This minimizes errors and ensures data integrity.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	SD-BIL (<i>Billing</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[SAP GTS Integration in Decentralized EWM and TM](#)

6.1.3 Special Business Processes in Order and Contract Management

6.1.3.1 Suppress Intercompany Supplier Invoice Creation in Advanced Intercompany Sales

Business Details

You can suppress the automatic creation of intercompany supplier invoice during the intercompany billing process in advanced intercompany sales. To do this, use the Business Add-In (BAI) `BADI_SDBIL_CTRL_SIIC_CREATION`. This BAI is called during the creation of intercompany customer invoice within the value chain monitoring framework. It allows you to suppress the creation of intercompany supplier invoice using the data from intercompany customer invoice obtained from the billing document.

Implementation Details

Customizing

You can access the BAI `BADI_SDBIL_CTRL_SIIC_CREATION` in Customizing under:

- ▶ [Sales and Distribution](#) ▶ [Sales](#) ▶ [Sales Documents](#) ▶ [Integration with Value Chain Monitoring](#) ▶ [BAI: Suppress Intco. Supplier Inv. Creation in Adv. Intco. Sales](#) ▶
- ▶ [Sales and Distribution](#) ▶ [Billing](#) ▶ [Business Add-Ins \(BAIs\)](#) ▶ [BAI: Suppress Intco. Supplier Inv. Creation in Adv. Intco. Sales](#) ▶

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5D2 (Advanced Intercompany Sales)
Technical Object Name	Not applicable
Application Component	SD-SLS (Sales)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[Prerequisites for Advanced Intercompany Sales](#)

6.2 Country/Region Specifics

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

7 Service

7.1 WebClient UI Framework

7.1.1 Upgrade of TinyMCE with Newer Version

Business Details

The TinyMCE editor used in WebClient UI apps has been upgraded to version 6.8. The new version is used as default. The supported features and functionality are the same as before. For more information, see SAP Note [3369044](#).

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 SPS04

8 Supply Chain

8.1 Delivery and Transportation













8.1.1 Delivery Management

8.1.1.1 SOAP APIs for External Warehouse Management

Business Details

The APIs for external warehouse management enable you to send and receive data to and from a third-party decentralized Warehouse Management system or a third-party logistics provider.

Find the published APIs on the SAP Business Accelerator Hub:

- [Warehouse Shipping Order – Send to Warehouse \(B2B\)](#) 
- [Warehouse Stock Transfer Shipment Advice – Send to Warehouse \(B2B\)](#) 
- [Warehouse Intermediate Update – Receive from Warehouse \(B2B\)](#) 
- [Warehouse Shipping Advice Cancel Request – Receive from Warehouse \(B2B\)](#) 
- [Split Outbound Delivery – Receive from Warehouse \(B2B\)](#) 
- [Warehouse Stock Transfer Receipt Advice Cancel Request – From Warehouse \(B2B\)](#) 
- [Warehouse Stock Transfer Receipt Advice – Receive from Warehouse \(B2B\)](#) 
- [Warehouse Shipping Advice Cancel Confirm – Send to Warehouse \(B2B\)](#) 
- [Warehouse Stock Transfer Receipt Advice Cancel Confirm – To Warehouse \(B2B\)](#) 
- [Warehouse Intermediate Update Confirmation – Send to Warehouse \(B2B\)](#) 
- [Split Outbound Delivery Confirmation – Send to Warehouse \(B2B\)](#) 
- [Warehouse Shipping Advice – Receive from Warehouse \(B2B\)](#) 

Configuration

To use the services, you must first configure them in the S/4HANA system. For this, SAP provides a services group and AIF scenario. For more information about configuring the services in the SOA system, see the related links.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	<ul style="list-style-type: none">WarehouseShippingOrderRequest_OutWarehouseShippingAdvice_InWarehouseIntermediateUpdate_InWarehouseIntermediateUpdate_InSplitOutboundDelivery_InWarehouseIntermediateUpdateConfirmation_OutWarehouseShippingAdviceCancelRequest_InWarehouseShippingAdviceCancelConfirmation_OutWarehouseStockTransferShipmentAdviceRequest_OutWarehouseStockTransferReceiptAdvice_InWarehouseStockTransferReceiptAdviceCancelRequest_InWarehouseStockTransferReceiptAdviceCancelConfirmation_Out
Application Component	LE-IDW (Decentralized Warehouse Management System Integration)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 SPS04

Related Information

[External Warehouse Management Services Central Configuration](#)

8.1.1.2 Customizing in Delivery Management

Business Details

In Customizing activity [Activate Decentralized Warehouse System](#), you can choose how SAP S/4HANA communicates with the external Warehouse Management system.

The activity has been extended with the table column [Comm. External WM](#). In addition, you can now select [SOAP Web Services](#) in the field. This has been added to enable the external warehouse management.

Implementation Details

This configuration was previously made in Customizing activity [Activate Service-Based Communication](#).

Customizing

You can access both Customizing activities in transaction SPRO under ► [Logistics Execution](#) ► [Integration of External Warehouse Systems](#) ►.

If you have already configured external warehouses, you do not have to do anything. The settings you made previously are available in both activities and if you want to update them, you can do so in either of the activities.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	SIMG_XXLEIDW2006
Application Component	LE-IDW (Decentralized Warehouse Management System Integration)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 SPS04

Related Information

[SOAP APIs for External Warehouse Management \[page 71\]](#)

8.1.2 Change Input Data for Transportation Requirement Routing and Scheduling (TRS)

Business Details

With this feature, you can change input data for Transportation Requirement Routing and Scheduling (TRS) using BAdI `/SCMTMS/IF_LI_TRS_BTD_CHG` (*Input Data Changes for TRS Functionality*). Using this BAdI, you can change the input data for both sales order scheduling.

You adapt the data before scheduling begins allowing you control which data the TRS processing uses.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	<code>/SCMTMS/IF_LI_TRS_BTD_CHG</code> (<i>Input Data Changes for TRS Functionality</i>)
Application Component	TM-INT-LI-OS (<i>Order Scheduling</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[Integration of Sales Document Scheduling](#)

8.2 Country/Region Specifics

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

9 Integration

9.1 Integration with Industry Cloud Solutions from SAP

9.1.1 Replication of Custom Fields for Product Master Data

Business Details

With this feature, you can enhance the logic used to replicate business object data of products from SAP S/4HANA to data ingestion for industry cloud solutions by enabling the replication of custom fields including the values that have been maintained for them for the *Basic Data* views of the product master data.

Implementation Details

Before you can start performing the steps that are required to enhance the replication logic, you must ensure the following:

- In the article master maintenance (transactions MM41 and MM42), custom fields have been maintained for at least one of the *Basic Data* views of the product master data.
- You ingest product data using the product entity version 4.1.0 or higher.

Customizing

If you want to replicate custom fields including the values that are maintained for them for the *Basic Data* views of the product master data from SAP S/4HANA to data ingestion for industry cloud solutions, you must create a new enhancement implementation for the BAdI definition BADI_CIC_ENTITY_EXT to map the content of your custom fields to the generic `Extension` property.

For information about the steps that are required to enable the replication, refer to [Replicating Custom Fields for Product Master Data](#).

Effects on Existing Data

As soon as you are done with enhancing the replication logic, make sure to start an initial replication using transaction DRFOUT (*Execute Data Replication*).

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	BAdI: BADI_CIC_ENTITY_EXT
Application Component	CA-ICS-INT-PRD (<i>Product</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 SPS04

Related Information

[Replicating Custom Fields for Product Master Data](#)

9.2 Integration with SAP Business Data Cloud

Business Details

Integration between SAP S/4HANA Cloud Private Edition and SAP Business Data Cloud is now possible. SAP Business Data Cloud unifies and governs all SAP data and seamlessly connects with third-party data. This enables leaders to make impactful decisions.

Note

This integration is available for SAP S/4HANA Cloud Private Edition versions 2021, 2022, 2023, and 2025.

Integration with SAP Business Data Cloud enables the transfer of business data from SAP S/4HANA Cloud Private Edition to SAP Business Data Cloud. For more information, refer to [Integration with SAP Business Data Cloud](#).

Technical Details

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

Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	CA-BDC-INT (<i>Manual connectivity setup guide between S4 and BDC</i>)
Availability	SAP S/4HANA Cloud Private Edition
Valid as Of	2023 SPS04

Related Information

[SAP Business Data Cloud](#)

9.3 Country/Region Specifics

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

10 Country/Region Specifics

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

11 Industries

11.1 Consumer

11.1.1 Retail and Fashion

11.1.1.1 Retail for Merchandise Management

11.1.1.1.1 Enhancement to POS Outbound Messages

Business Details

With this feature, you can view additional fields in the SOAP XML structure to replicate product master data from SAP S/4HANA system to the POS system, when you use [Product Merchandise Data – Replicate](#) SOAP service with DRFOUT implementation.

- StoreSaleStartDate
- StoreSaleEndDate
- ProductSalesProcessUsabilityProfileCode
- ProductSalesProcessUsabilityProfileValidityDate
- ProductSalesStatusDescription

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	LO-RFM-IFC-OUT (POS Interface - Outbound)
Availability	SAP S/4HANA
Valid as Of	2023 SPS04

11.1.1.1.2 Planned Independent Requirements (PIRs) in Rapid Replenishment Planning

Business Details

With this feature, you as a replenishment specialist for retail stores can now use the [Rapid Replenishment Planning](#) (WRP1R) app to choose planned independent requirements (PIRs) as an alternative or additional demand input for store replenishment.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	App ID: WRP1R
Application Component	LO-RFM-PUR-RRP (<i>Purchasing</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 SPS04

Related Information

[Replenishment: Logistical Products](#)

11.1.1.1.3 Activate SLS Sub-items Without Additional in Collective Purchase Orders

Business Details

This feature enables you to determine supplementary logistics services (SLS) for prepacking articles without additional, in collective purchase orders. This makes cross-docking more efficient within the merchandise distribution process.

Implementation Details

Implement the BAdI [Activate SLS Sub-items without Additional](#) (RFM_COLLV_PO_SLS) to get SLS functions.

Customizing

Implement the business add-in in customizing for [Logistics - General](#) > [Merchandise Distribution](#) > [BAdI: Activate SLS Sub-items without Additional](#) >.

Effects on Existing Data

After you implement this Business Add-In, the system automatically creates sub-items in collective purchase orders for articles determined by settings in article and site master data. You no longer need additional article linked with the cross-docking article. You will notice that the additional artifacts are not changed or used in the new SLS process after implementing the Business Add-In.

Technical Details

Type	New
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	BAdI: RFM_COLLV_PO_SLS
Application Component	LO-RFM-MDS (Merchandise Distribution)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 SPS04

Related Information

[Supplementary Logistics Services \(SLS\)](#)

11.1.2 Consumer Products

11.1.2.1 Last Mile Distribution for Direct Distribution

11.1.2.1.1 Assignment of Additional Visits to Van Sales Routes (Paper-Based Scenario)

Business Details

This feature supports the processing of van sales routes, by allowing settlement clerks to assign additional visits and related documents to van sales routes in a paper-based scenario.

Note

This feature is available as of the following releases:

- SAP S/4HANA Cloud Private Edition and SAP S/4HANA OP2022
- SAP S/4HANA Cloud Private Edition and SAP S/4HANA OP2023

Van sellers perform ad-hoc sales of products loaded on a van at sales locations. Typically, a van sales route consists of a number of planned stops (visits); however, in some cases, a van seller might need or decide to stop at additional sales locations on a route (unplanned visits). This makes it necessary to add unplanned visits to a route during route execution. Previously, a van seller had to download all information related to a route to a mobile device and record activities that occurred on a route by using a mobile device (mobile scenario). Now, it is also possible for settlement clerks to record route data of van sales routes after final check-in in a paper-based scenario.

Furthermore, settlement clerks can now assign additional visits to a route after final check-in.

Note

This feature is also available for delivery routes. For more information, see [Assignment of Additional Visits to Delivery Routes \(Paper-Based Scenario\) \[page 88\]](#).

Implementation Details

Van sellers perform ad-hoc sales and record products and quantities on printed documents. After route execution is completed, they return to the warehouse and hand over all printed route documents and collected payments to a settlement clerk. The settlement clerk then records and updates route data in the [Settle Route Data](#) app.

The settlement clerk must first add a visit and one related customer document to enter route data related to a visit in the system. This visit must be unplanned, meaning the customer was not originally assigned to the route during route assembly.

When a settlement clerk adds a visit for the relevant customer, they select the type of document to create for the visit. For more information, see [Creation of Customer Documents for Additional Visits on Van Sales Routes \(Paper-Based Scenario\) \[page 84\]](#).

Note

Each customer can only be visited once on each route. That is, a settlement clerk can assign a customer to only one visit on the same route.

If a visit was added by mistake, the settlement clerk can trigger the deletion by removing any manually added customer documents, provided the settlement clerk has manually added the visit. After the last related delivery document, return delivery document, or payment document has been deleted, the visit will be automatically deleted as well.

Authorizations

No additional authorizations are needed for this feature. However, settlement clerks require special authorization to use the *Settle Route Data* app. For more information, see [Authorizations for the Settle Route Data App](#).

Effects on Existing Data

To add new visits in the *Settle Route Data* app, the settlement clerk navigates to the *Visits* tab and selects *Add Visit*. In the dialog box that opens, the settlement clerk selects the relevant customer (ship-to party) by using a value help (F4 help). The system then checks whether the visit's sales area data matches the route and whether the ship-to party is defined for the sales area.

Note

By default, the sales area is pre-filtered to match the route's sales area. Visits can only be added for customers with the same sales area as the route.

When additional visits are created, they are appended to the end of the list of visits.

Note

In SAP S/4HANA Cloud Private Edition and SAP S/4HANA OP2022, the *Visits* tab is called *Customer Documents*. On this tab, the following functions are available for this feature:

- *Add Document*: Add an additional document for an existing customer.
- *Add Customer*: Add a new customer to a route. This is equivalent to adding a new visit.

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 Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[Visit List Management](#)
[Settle Route Data](#)

11.1.2.1.2 Creation of Customer Documents for Additional Visits on Van Sales Routes (Paper-Based Scenario)

Business Details

This feature enables settlement clerks to create delivery and return delivery documents in a paper-based scenario for unplanned visits that have been added to van sales routes.

Note

This feature is available as of the following releases:

- SAP S/4HANA Cloud Private Edition and SAP S/4HANA OP2022
- SAP S/4HANA Cloud Private Edition and SAP S/4HANA OP2023

To facilitate the processing of van sales routes in a paper-based scenario, settlement clerks might have to enter data in the system that van sellers have recorded on printed documents during route execution. To do so, a settlement clerk can now add a new visit with one related document for the relevant customer. For more information, see [Assignment of Additional Visits to Van Sales Routes \(Paper-Based Scenario\) \[page 82\]](#). Then, the settlement clerk creates the relevant delivery or return delivery document in the system.

Note

This feature is also available for delivery routes. For more information, see [Creation of Customer Documents for Additional Visits on Delivery Routes \(Paper-Based Scenario\) \[page 90\]](#).

Implementation Details

Settlement clerks can now create delivery and return delivery documents for additional visits by using the [Settle Route Data](#) app.

Authorizations

No additional authorizations are needed for this feature. However, settlement clerks require special authorization to use the [Settle Route Data](#) app. For more information, see [Authorizations for the Settle Route Data App](#).

Effects on Existing Data

To add new visits in the [Settle Route Data](#) app, the settlement clerk navigates to the [Visits](#) tab and selects [Add Visit](#). In the dialog box that opens, the settlement clerk selects the relevant customer (ship-to party) by using a value help (F4 help). The system then checks whether the visit's sales area data matches the route and whether the ship-to party is defined for the sales area. Next, the settlement clerk chooses the type of the first document to be created for the new customer visit. This can be either a delivery document or a return delivery document.

If multiple documents are needed for the customer to be visited, the settlement clerk must first add the customer with one new document. Additional documents for the same customer can then be added by choosing [Add Document](#) on the visit detail page.

Note

If a visit was added by mistake, the settlement clerk can trigger the deletion by removing any manually added customer documents, provided the settlement clerk has manually added the visit. After the last related delivery document, return delivery document, or payment document has been deleted, the visit will be automatically deleted as well.

Note

In SAP S/4HANA Cloud Private Edition and SAP S/4HANA OP2022, the [Visits](#) tab is called [Customer Documents](#). On this tab, the following functions are available for this feature:

- [Add Document](#): Add an additional document for an existing customer.
- [Add Customer](#): Add a new customer to a route.

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 Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

11.1.2.1.3 Entry of Payment Data Related to Additional Visits (Paper-Based Scenario)

Business Details

This feature enables settlement clerks to record payments collected during additional visits in a paper-based scenario.

Note

This feature is available as of the following releases:

- SAP S/4HANA Cloud Private Edition and SAP S/4HANA OP2022
- SAP S/4HANA Cloud Private Edition and SAP S/4HANA OP2023

During route execution, drivers collect payments at different customer locations. When a settlement clerk adds additional visits to routes in a paper-based scenario, this feature allows them to create the relevant payment documents for those visits.

These additional visits must be unplanned, meaning the customer was not originally assigned to the route during route assembly. In a paper-based scenario, drivers record changes to the route on printed documents. After route execution is completed, these printed documents and collected payments are handed over to a settlement clerk who then enters the relevant route data in the system. For more information about the assignment of additional visits, see [Assignment of Additional Visits to Van Sales Routes \(Paper-Based Scenario\) \[page 82\]](#) and [Assignment of Additional Visits to Delivery Routes \(Paper-Based Scenario\) \[page 88\]](#).

Implementation Details

Collected payments are recorded in payment documents. For more information about payment documents in general, see [Payment Documents](#).

Authorizations

No additional authorizations are needed for this feature. However, settlement clerks require special authorization to use the *Settle Route Data* app. For more information, see [Authorizations for the Settle Route Data App](#).

Effects on Existing Data

After the settlement clerk has added a visit and has selected the corresponding delivery or return delivery document in the *Settle Route Data* app on the *Visits* tab, the system automatically creates a related payment document for this visit.

Note

The payment document is visible when the visit has been created and the changes to the route have been saved.

The settlement clerk then enters the payment data related to the customer visit. Next, all collected payments must be recorded on the *Payments* tab; otherwise, the system will detect differences that are displayed on the *Differences* tab.

Note

If a visit was added by mistake, the settlement clerk can trigger the deletion by removing any manually added customer documents, provided the settlement clerk has manually added the visit. After the last related delivery document, return delivery document, or payment document has been deleted, the visit will be automatically deleted as well.

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 Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[Visit List Management](#)

[Settle Route Data](#)

[Payments](#)

[Creation of Customer Documents for Additional Visits on Van Sales Routes \(Paper-Based Scenario\) \[page 84\]](#)

11.1.2.1.4 Assignment of Additional Visits to Delivery Routes (Paper-Based Scenario)

Business Details

This feature enables settlement clerks to assign additional visits and related customer documents to delivery routes in a paper-based scenario.

Note

This feature is available as of the following releases:

- SAP S/4HANA Cloud Private Edition and SAP S/4HANA OP2022
- SAP S/4HANA Cloud Private Edition and SAP S/4HANA OP2023

Delivery drivers deliver ordered goods to customers. During route preparation, the delivery route and the related customer visits are planned. A typical delivery route therefore consists of a number of planned stops (visits). However, during route execution, a delivery driver might need or decide to stop at additional customer locations on a route (unplanned visits). This makes it necessary to add unplanned visits to a route during route execution. Previously, a delivery driver had to download all information related to a route to a mobile device and record activities that occurred on a route by using a mobile device (mobile scenario). Now, it is also possible for settlement clerks to record route data of delivery routes after final check-in in a paper-based scenario.

Note

This feature is also available for van sales routes. For more information, see [Assignment of Additional Visits to Van Sales Routes \(Paper-Based Scenario\) \[page 82\]](#).

Implementation Details

Delivery drivers deliver ordered goods and record products and quantities on printed documents. After route execution is completed, they return to the warehouse and hand over all printed route documents and collected payments to a settlement clerk. The settlement clerk then records and updates route data in the [Settle Route Data](#) app.

The settlement clerk must first add a visit and one related customer document to enter route data related to a visit in the system. This visit must be unplanned, meaning the customer was not originally assigned to the route during route assembly.

When a settlement clerk adds a visit for a new customer, they select the type of document to create for the new customer visit. For more information, see [Creation of Customer Documents for Additional Visits on Delivery Routes \(Paper-Based Scenario\) \[page 90\]](#).

Note

Each customer can only be visited once on each route. That is, a settlement clerk can assign a customer to only one visit on the same route.

If a visit was added by mistake, the settlement clerk can trigger the deletion by removing any manually added customer documents, provided the settlement clerk has manually added the visit. After the last

related delivery document, return delivery document, or payment document has been deleted, the visit will be automatically deleted as well.

Authorizations

No additional authorizations are needed for this feature. However, settlement clerks require special authorization to use the app. For more information, see [Authorizations for the Settle Route Data App](#).

Effects on Existing Data

To add new visits in the *Settle Route Data* app, the settlement clerk navigates to the *Visits* tab and selects *Add Visit*. In the dialog box that opens, the settlement clerk selects the relevant customer (ship-to party) by using a value help (F4 help). The system then checks whether the visit's sales area data matches the route and whether the ship-to party is defined for the sales area.

Note

By default, the sales area is pre-filtered to match the route's sales area. Visits can only be added for customers with the same sales area as the route.

When additional visits are created on the *Visits* tab, they are appended to the end of the list of visits.

Note

In SAP S/4HANA Cloud Private Edition and SAP S/4HANA OP2022, the *Visits* tab is called *Customer Documents*. On this tab, the following functions are available for this feature:

- *Add Document*: Add an additional document for an existing customer.
- *Add Customer*: Add a new customer to a route. This is equivalent to adding a new visit.

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 Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

11.1.2.1.5 Creation of Customer Documents for Additional Visits on Delivery Routes (Paper-Based Scenario)

Business Details

This feature enables settlement clerks to create delivery and return delivery documents in a paper-based scenario for unplanned visits that have been added to delivery routes.

Note

This feature is available as of the following releases:

- SAP S/4HANA Cloud Private Edition and SAP S/4HANA OP2022
- SAP S/4HANA Cloud Private Edition and SAP S/4HANA OP2023

To facilitate the processing of delivery routes in a paper-based scenario, settlement clerks might have to enter data in the system that delivery drivers have recorded on printed documents during route execution. To do so, a settlement clerk can now add a new visit with one related document for the relevant customer. For more information, see [Assignment of Additional Visits to Delivery Routes \(Paper-Based Scenario\) \[page 88\]](#). The settlement clerk can then enter the relevant route data in the system.

Note

This feature is also available for van sales routes. For more information, see [Creation of Customer Documents for Additional Visits on Van Sales Routes \(Paper-Based Scenario\) \[page 84\]](#).

Implementation Details

Settlement clerks can now create delivery and return delivery documents for additional visits in the [Settle Route Data](#) app.

Authorizations

No additional authorizations are needed for this feature. However, settlement clerks require special authorization to use the [Settle Route Data](#) app. For more information, see [Authorizations for the Settle Route Data App](#).

Effects on Existing Data

To add new visits in the [Settle Route Data](#) app, the settlement clerk navigates to the [Visits](#) tab and selects [Add Visit](#). In the dialog box that opens, the settlement clerk selects the relevant customer (ship-to party) by using a value help (F4 help). The system then checks whether the visit's sales area data matches the route and whether the ship-to party is defined for the sales area. Next, the settlement clerk chooses the type of the first document to be created for the new customer visit. This can be either a delivery document or a return delivery document.

If multiple documents are needed for the customer to be visited, the settlement clerk must first add the customer with one new document. Additional documents for the same customer can then be added by choosing [Add Document](#) on the visit detail page.

📘 Note

If a visit was added by mistake, the settlement clerk can trigger the deletion by removing any manually added customer documents, provided the settlement clerk has manually added the visit. After the last related delivery document, return delivery document, or payment document has been deleted, the visit will be automatically deleted as well.

📘 Note

In SAP S/4HANA Cloud Private Edition and SAP S/4HANA OP2022, the *Visits* tab is called *Customer Documents*. On this tab, the following functions are available for this feature:

- *Add Document*: Add an additional document for an existing customer.
- *Add Customer*: Add a new customer to a route.

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 Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

11.1.2.1.6 Enhancement of Document Item Condition Types

Business Details

This feature supports additional document item condition types and introduces pricing conditions independent of SAP Omnichannel Promotion Pricing.

Previously, only fixed amount condition types were supported, such as granting customers a total discount of USD 10 or a fixed total price of USD 100. With this feature, the range of supported condition types has been enhanced. In addition to fixed amount condition types, percentage, quantity, weight, and volume-based condition types can now be used. For example, you can now grant a discount of USD 10 for each quantity unit or offer a price reduction of 3% for each piece.

Furthermore, simple pricing conditions can now be used without SAP Omnichannel Promotion Pricing.

Note

This feature is available as of the following releases:

- SAP S/4HANA Cloud Private Edition and SAP S/4HANA OP2022
- SAP S/4HANA Cloud Private Edition and SAP S/4HANA OP2023

Implementation Details

The new pricing conditions are considered during route planning, route execution, and route settlement. In a mobile scenario, pricing conditions are calculated in the back end (SAP S/4HANA Sales), and drivers can download this information provided by a third-party solution or an SAP public OData service for pricing. During route execution, drivers can add or edit pricing data directly on their mobile devices. After route execution is completed, drivers can upload any new or changed pricing conditions from their mobile devices to the back-end system by using the *Mobile Data for Last Mile Distribution* (LMD_MA) OData service. During route settlement, the sales order is updated accordingly to reflect the uploaded pricing condition data.

For more information, see [Mobile Data for Last Mile Distribution](#) in the API documentation.

Effects on Existing Data

The following fields have been added to the LMD database table LMD_COM_D_IM_CND:

- **CONDITION_TYPE** (CDS view field name: `ConditionType`, data element: `KSCHL`)
Stores SD pricing condition types of the condition record.

Note

Maintain this field when the `CONDITION_PURPOSE_ID` is not provided. If both the CDS view fields `Condition Type` field and `Purpose ID` field are maintained, the `ConditionType` is prioritized, and the `PurposeID` is not used during route settlement.

- **CONDITION_CURRENCY** (CDS view field name: `ConditionCurrency`, data element: `WAERS`)
Stores currency keys of condition rates. For fixed amounts, for example, USD 100 or USD 50 USD for each piece, the currency key `USD` will be stored.

Note

When conditions including percentages are used, this field is left empty.

- **CONDITION_QUANTITY** (CDS view field name: `ConditionQuantity`, data element: `KPEIN`)
Stores the base quantity of rate condition types. For example, if the rate is USD 10 for 5 pieces, **5** will be stored.

Note

When fixed amounts or percentage condition types are used, this field is left empty.

- **CONDITION_QUANTITY_UNIT** (CDS view field name: `ConditionQuantityUnit`, data element: `KVMEI`)
Stores the base unit of measure for rate condition types. For example, if the rate is USD 10 for 5 pieces, `PC` will be stored.

Note

When fixed amounts or percentage condition types are used, this field is left empty.

Furthermore, the *Mobile Data for Last Mile Distribution* (LMD_MA) OData service has been enhanced and the following properties have been added to the *Document Item Conditions* entity:

- ConditionCurrency
- ConditionPurposeID
- ConditionQuantity
- ConditionQuantityUnit

For more information about the *Document Item Conditions* entity, see [Document Item Conditions](#).

Technical Details

Type	Changed
Functional Localization	No localization
Scope Item	Not applicable
Technical Object Name	Database table: LMD_COM_D_IM_CND
Application Component	LE-LMD (<i>Last Mile Distribution</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA
Valid as Of	2023 SPS04

Related Information

[Integration with SAP Omnichannel Promotion Pricing](#)

11.2 Energy & Natural Resources

11.2.1 Utilities

11.2.1.1 SAP Waste & Recycling

11.2.1.1.1 CDS Views for Sales Contract

Business Details

This feature enables you cater to the analytical and data extraction capabilities. CDS views are provided to fetch all fields related to a sales contract such as sales contract number, category, division type and so on.

The following CDS views are released.

CDS Views Released for Sales Contract

CDS View Name	Application Component	Solution Capability
Sales Contract Basic (I_EWA_SALESCONTRACT)	IS-U-WA	Sales Contract
Sales Contract Query (C_EWA_SalesContractQuery)		Query view for Sales Contract
Sales Contract Cube (I_EWA_SalesContractCube)		Cube view for Sales Contract
Sales Contract DEX (C_EWA_CtnLocSalesContrDEX)		Data Extraction for Sales Contract

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	See the table above

Application Component	IS-U-WA (<i>Waste Management</i>)
Availability	SAP S/4HANA Cloud Private Edition and SAP S/4HANA

Related Information

[CDS Views for Sales Contract](#)

11.3 Public Services

11.3.1 Public Sector

11.3.1.1 Public Sector Management

11.3.1.1.1 Funds Management

11.3.1.1.1.1 Manage Budget Templates

Business Details

This feature enables you to simplify the request of budget by using the SAP Fiori app [Manage Budget Templates](#). In the template, you can preconfigure the budget request fields using default values, define mandatory, read-only or hidden fields, and in doing so reduce the effort required by the budget responsible when requesting budget.

The SAP Fiori app [Manage Budget Templates](#) enables you to do the following in the business role [Budget Specialist](#):

- Create budgeting templates including default values for budgeting fields, such as the [Financial Management Area](#), [Budget Process](#), [Budget Entry Document Type](#), [Budget Version](#), [Budget Type Budget Value Type](#), and sender and/or receiver FM account assignment elements ([Fund](#), [Funds Center](#), [Funded Program](#), [Commitment Item](#), [Grant](#), [Budget Period](#), [Functional Area](#)).
- Determine which budget category [Payment Budget](#) or [Commitment Budget](#) is used.
- Determine which input field for budgeting is mandatory, hidden or read-only in the SAP Fiori app [Manage Budget Requests](#).
- The budget template you have create in the app [Manage Budget Templates](#) is stored with a new ID in the field [Template ID](#). You can copy or delete an existing budgeting template ID.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	App ID: F8331
Application Component	PSM-FM (<i>Funds Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 SPS04

Related Information

[Manage Budget Templates](#)

11.3.1.1.2 Manage Budget Requests

Business Details

In your role as a budget responsible, you can use this feature to manage budget requests using a budgeting template that contains prefilled budget request fields, with the exception of the budget amount fields and other unique field values.

The Manage Budget Request app assists budgeting processes (such as [Enter](#), [Return](#), [Supplement](#), [Transfer](#), [Carry Over](#), [Balanced Entry](#)) and creates one budget line for each budgeting process.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable

Technical Object Name	App-ID: F8332
Application Component	PSM-FM (<i>Funds Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 SPS04

Related Information

[Manage Budget Requests](#)

11.3.1.1.1.3 Standard oData Services for Budget Requests

Business Details

This feature enables you to maintain transactional data for budget request templates and budget request documents across your system landscape using the following application programming interfaces (APIs):

- `API_FNDMSGMTBDGTREQTEMPLATE`
- `API_FNDMSGMTBUDGETREQUEST`

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	API: <code>API_FNDMSGMTBDGTREQTEMPLATE</code> API: <code>API_FNDMSGMTBDGTREQTEMPLATE</code>
Application Component	PSM-FM (<i>Funds Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 SPS04

Related Information

[Budget Request Template](#)
[Budget Request Document](#)

11.3.1.1.4 Restrict Standard Zero Commitment Carryforward

Business Details

This feature enables you to:

- Define a new option in the standard commitment carryforward to restrict the zero commitment carryforward to documents where successors have been already carried forward.
- Define a new optional parameter using the transaction code FMJ0 to apply the above restriction.

Technical Details



Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Transaction: FMJ0
Application Component	PSM-FM (<i>Funds Management</i>)
Availability	SAP S/4HANA and SAP S/4HANA Cloud Private Edition
Valid as Of	2023 SPS04

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