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What's New in SAP S/4HANA 2023 FPS01

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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 Analytics

2.1.1 Terminology Change: Web Dynpro Apps -> Multidimensional Data Grid Apps

As of SAP S/4HANA 2023 FPS01, we replace the term "Web Dynpro apps" with the term "multidimensional data grid apps" in the documentation. With this, we have made the documentation more consistent and clearer.

Note

This terminology change affects the **analytical** apps of this type only. There are also Web-Dynpro-based apps that are transactional apps, for example, w0130 ([Display Account Balances](#)), for which the terminology does not change.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	BI-RA (Reporting, analytics, and dashboards)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

For all information related to this type of apps, see [Multidimensional Data Grid Apps](#).

2.2 Master Data Governance

2.2.1 Master Data Governance, Consolidation and Mass Processing

2.2.1.1 Configure Address Handling in Best Record Calculation

The way of how addresses are handled in the process step [Best Record Calculation](#) can be configured.

If there are duplicate business partners, the determination of whether addresses are added or merged is based on the best record calculation. The standard logic compares a predefined set of address data fields, such as postal code and street.

A new customization activity allows you to modify the logic by specifying additional fields from the ADRC table to be taken into account during the comparison.

Note

This feature is valid for classic mode and cloud-ready mode in SAP MDG.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-MDG (Master Data Governance)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Customizing

To configure the relevant fields for address handling you need to run the Customizing activity as described below:

- **Classic Mode**

[Cross-Application Components](#) > [Master Data Governance](#) > [Classic Mode in SAP MDG](#) > [Consolidation and Mass Processing](#) > [Configure Best Record Calculation](#) > [Configure Relevant Fields for Address Handling](#)

- **Cloud-Ready Mode**
 - ▶ [Cross-Application Components](#) ▶ [Master Data Governance](#) ▶ [Cloud-Ready Mode in SAP MDG](#)
 - ▶ [Configure Processes](#) ▶ [Configure Best Record Calculation](#) ▶ [Configure Relevant Fields for Address Handling](#) ▶

Related Information

[Configure Best Record Calculation](#)

2.2.2 Master Data Governance, Central Governance

2.2.2.1 New Features for Master Data Governance for Financials

We've added new features to Master Data Governance for Financials. For details on all the new features, see [Additional Details](#) section below.

Note

This feature is valid for classic mode in SAP MDG.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-MDG-APP-FIN (MDG for Financials .)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

In a Chart of Accounts, Only Allow Create Cost Element Group With Unique ID

With this feature, when a cost element group ID or cost element group hierarchy ID is created, a check is performed to ensure that the ID is unique within the same chart of accounts.

Update Initial Load to Support More Attributes for Account and Cost Center

With this feature, you can extract master data using the MDMGX transaction and load (initial load) financial data, including the following attributes:

- S4ACCTYP
- S4ACSUBTY
- BUDGETCCT
- CCAVCPROF
- CCAVCACTV
- ACCMAINAC

2.2.2.2 New Features for Master Data Governance for Material

We've added a new feature to Master Data Governance for Material. For details, see the [Additional Details](#) section below.

Note

This feature is valid for classic mode in SAP MDG.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-MDG-APP-MM (MDG Material)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Integration of Refresh Change Request in Master Data Updates

To ensure that the intended backend changes on master data objects are not overwritten during change request activation, the refresh existing change requests feature is triggered. This feature also ensures that the changes are compatible and consistent.

2.2.2.3 New Features for Master Data Governance for Business Partner

We've added new features to Master Data Governance for Business Partner. For details on all new features, see the [Additional Details](#) section below.

Note

This feature is valid for classic mode in SAP MDG.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-MDG-APP-BP (<i>MDG Business Partner (Central Part).</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Integration of Refresh Change Request in Master Data Updates

To ensure that the intended backend changes on master data objects are not overwritten during change request activation, the refresh existing change requests feature is triggered. This feature also ensures that the changes are compatible and consistent.

Enhance Re-Use Check to Complete BP

With this feature, the complete business partner data can be checked. The validation can consider the complete business partner to identify issues, for example created by Customizing changes.

2.2.2.4 New Features for Master Data Governance for Supplier

We've added new features to Master Data Governance for Supplier. For details on all new features, see the [Additional Details](#) section below.

Note

This feature is valid for classic mode in SAP MDG.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-MDG-APP-SUP (<i>MDG Supplier (Central Parts)</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Integration of Refresh Change Request in Master Data Updates

To ensure that the intended backend changes on master data objects are not overwritten during change request activation, the refresh existing change requests feature is triggered. This feature also ensures that the changes are compatible and consistent.

Enhance Re-Use Check to Complete BP

With this feature, the complete business partner data can be checked. The validation can consider the complete business partner to identify issues, for example created by Customizing changes.

2.2.2.5 New Features for Master Data Governance for Customer

We've added new features to Master Data Governance for Customer. For details on all the new features, see [Additional Details](#) section below.

Note

This feature is valid for classic mode in SAP MDG.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-MDG-APP-CUS (<i>MDG Customer (Central Parts).</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Integration of Refresh Change Request in Master Data Updates

To ensure that the intended backend changes on master data objects are not overwritten during change request activation, the refresh existing change requests feature is triggered. This feature also ensures that the changes are compatible and consistent.

Enhance Re-Use Check to Complete BP

With this feature, the complete business partner data can be checked. The validation can consider the complete business partner to identify issues, for example created by Customizing changes.

2.2.2.6 Assign Data Controllers to Business Partner

All SAP Master Data Governance processes support the assignment of data controllers to a business partner. You can assign data controllers to company codes and other organizational units like sales areas and purchasing organizations. Once a data controller is either manually or automatically assigned to a business partner, it ensures that only the users that are authorized for a certain data controller can access or edit the business partner data.

Note

This feature is valid for classic mode and cloud-ready mode in SAP MDG.

Technical Details

Type	New
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Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-MDG (Master Data Governance)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Existing Data


The **Manage Business Partners** app has been enhanced by a [Data Controller](#) section.

Effects on Customizing

Central functions that support the configuration of data controllers are grouped in Customizing under [Cross-Application Components](#) under [Data Protection](#) > [General Settings](#) > [Data Controller](#) .

Activate Business Partner Data Controller

To be able to assign data controllers to business partners, make the following settings in Customizing:

1. Run the Customizing activity [Cross-Application Components](#) > [SAP Business Partner](#) > [Business Partner](#) > [Basic Settings](#) > [Activate Business Partner Data Controller](#) .
2. Choose [New Entries](#). In the [Configuration ID](#) field, choose the following entry using the input help (F4):
 - BP_DC_CTRLR (Business Partner Data Controller): This configuration decides whether the data controller is enabled for a business partner

Maintain Data Controllers and Assign Organizational Entities

Before you can start assigning data controllers to business partners, you must centrally define data controllers that are relevant for your organization. Data controllers are defined by specifying which organizational entities are relevant for them and, therefore, which data falls under the responsibility of a given data controller.

To define data controllers, run the Customizing activity [Maintain Data Controllers](#). You can find more detailed information in the system documentation of the Customizing activity. Create a new data controller and define a name for it. Assign organizational entities to the data controller.

2.2.3 Master Data Governance, Data Quality Management

2.2.3.1 Disable Several Derivation Scenarios

With this feature you can disable several derivation scenarios at once by selecting them in the [Define Derivation Scenarios](#) app and choosing [Disable](#).

Note

This feature is valid for classic mode and cloud-ready mode in SAP MDG.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-MDG-ADQ (Analysis and Remediation of Data Quality)
Valid as Of	SAP S/4HANA 2023 FPS01

2.2.3.2 Derive Data for Additional Data Model Tables

With this feature you can define derivation rules for data model tables that have no additional key fields (besides BP_PARTNER/MATNR). This allows you to further automate the process of maintaining master data.

Note

This feature is valid for classic mode and cloud-ready mode in SAP MDG.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-MDG-ADQ (Analysis and Remediation of Data Quality)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

For business partners, the BP001 (*Financial Services Details*) and UKMBP_CMS (*Credit Master Data*) tables are supported as result tables for derivation rules for tables.

For products, the MARA_AEOI (*Change Management*) table is supported as a result table for derivation rules for tables.

For information about using these additional data model tables in lower releases, please refer to SAP Note [3349573](#).

2.2.3.3 Derive Classification Data

With this feature you can use derivation scenarios to derive classification data (class assignments and characteristics) for products, customers, and suppliers.

Note

This feature is valid for classic mode and cloud-ready mode in SAP MDG.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-MDG-ADQ (<i>Analysis and Remediation of Data Quality</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

For information about deriving classification data in lower releases, please refer to SAP Note [3367412](#).

2.2.4 Master Data Governance, Federated Master Data Governance

2.2.4.1 Application Data Owners in Classic Mode on Lower Releases

Customers who are unable to update all participating application data owners to the required SAP S/4HANA release have the option to use systems operating on older SAP S/4HANA releases. This can be accomplished by establishing classical central governance processes, which are based on MDG change requests.

Note

This feature is valid for cloud-ready mode in SAP MDG.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-MDG (Master Data Governance)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The system, which serves as the core data owner, needs to be running on SAP S/4HANA 2023 FPS01 or higher.

Effects on Customizing

To enable application data owners in classic mode on lower releases you need to run the Customizing activity [► Cross-Application Components ► Master Data Governance ► Federated Master Data Governance ► Specify Application Data Owners in Classic Mode ►](#) on the of the core data owner system, and several custom enhancements for the application data owners. For more information, see [Specify Application Data Owners in Classic Mode](#).

2.3 Situation Handling

2.3.1 New Use Cases for Situation Handling

Technical Details

Type	
Functional Localization	Localized for <country/region>
Scope Item	
Application Component	()
Valid as Of	

Additional Details

Effects on Existing Data

Effects on Data Transfer

Effects on System Administration

Effects on Customizing

2.4 What's New Viewer: Unified Category for Extensibility Changes

Extensibility comprises a set of features for different use cases, such as developer extensibility, key user extensibility, or side-by-side extensibility. These features are supported by various objects released for these purposes, including remote APIs, CDS views, BAdIs, and others. In the What's New Viewer for SAP S/4HANA, there's now one single category in which all changes relating to extensibility are included: [Extensibility](#).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	Not applicable
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

In previous releases, changes to extensibility objects were assigned to different categories, such as [API](#), [CDS Views](#), or [Extensibility](#). As some object types support more than one extensibility use case, all these changes are now included in the single category [Extensibility](#). You can use the category as a filter in the What's New Viewer to easily identify all changes relating to any of the extensibility types.

For more information about different types of extensibility in SAP S/4HANA, see [Extensibility](#).

2.5 Country/Region Specifics

For country/region-specific changes, please see [What's New Viewer](#).

3 Asset Management

3.1 Maintenance Management

3.1.1 OData API: Maintenance Item

When you read the details of a maintenance item using the OData API Maintenance Item, you can now see the functional location ID along with the functional location label name.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4HI (Proactive Maintenance)
Application Component	PM-PRM-MP (Maintenance Plans)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Maintenance Item](#)

3.1.2 CDS View for Maintenance Task List Component

With the CDS view [Maintenance Task List Operation Material](#) (`I_MaintTaskListOpMaterial`), you can retrieve a list of components that are assigned to task list operations and suboperations. This can help you prepare a custom report on the usage of task list components.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PM (<i>Plant Maintenance</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Maintenance Task List Operation Material](#)

3.1.3 CDS View for Maintenance Strategy

With the CDS view *Maintenance Package* (`I_MaintenancePackage`), you can retrieve the details of the maintenance packages in a maintenance strategy.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PM (<i>Plant Maintenance</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Maintenance Package](#)

3.1.4 CDS View for Maintenance Order Component

With the new CDS view [Maintenance Order Component Data](#) (`I_MaintOrderComponentDEX`), you can retrieve information about the components and lean services that are assigned to maintenance order operations.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance) BH1 (Corrective Maintenance) BH2 (Emergency Maintenance) BJ2 (Preventive Maintenance)
Application Component	PM-WOC-MO (Maintenance Orders)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Maintenance Order Component Data](#)

3.1.5 Measurement Document: Time Zone Conversion

When you process or display measurement documents in the Web Dynpro apps, you can view all the dates and times in your local user time zone. The system converts the system time zone into the time zone of the current user as set in the SAP Fiori Launchpad.

Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	BH1 (Corrective Maintenance)
	BH2 (Emergency Maintenance)
	BJ2 (Preventive Maintenance)
	3MO (Service Contract Management)
	3D2 (Service Order Management and Monitoring)
	3XK (In-House Repair)
	49X (Service Order Processing with SAP Field Service Management)
	4GA (Service Quotation)
	4HH (Reactive Maintenance)
	4HI (Proactive Maintenance)
	4WM (Operational and Overhead Maintenance)
	4VT (Improvement Maintenance)
Application Component	PM-EQM-SF-MPC (Measuring Points and Counters)
Valid as Of	SAP S/4HANA 2023 FPS01

3.1.6 Assign Order Type or Notification Type to Maintenance Item

With the [Manage Maintenance Plans](#) (F5325) app and [Manage Maintenance Items](#) (F5356) app, you can now assign an order type or a notification type for a maintenance item in the initial screen while creating the maintenance item. The order type or the notification type is based on the maintenance plan category. Earlier, you had to go to the object page of a maintenance item to assign the order type.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4HI (Proactive Maintenance)
Application Component	PM-PRM-MP (Maintenance Plans)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Existing Data

When you create a maintenance item, you can select an order type or a notification type in the initial screen.

Related Information

[Manage Maintenance Items](#)

3.1.7 Find Maintenance Task List and Operation App

In the [Find Maintenance Task List and Operation](#) app, you can now use the value helps to select calculation key, inspection points, external numbering, reference element, and currency as filters. The columns for execution stage and external numbering display the values along with their descriptions.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance) 4WM (Operational and Overhead Maintenance) 4VT (Improvement Maintenance)
Application Component	PM-PRM-TL (Maintenance Task Lists)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Find Maintenance Task List and Operation](#)

3.1.8 Find Maintenance Task List App

In the [Find Maintenance Task List](#) app, the following changes have been made in the filters:

- You can now select system condition, inspection points, external numbering, and reference element using the corresponding value help. The columns for system condition and external numbering now display the values along with their descriptions.
- You can now filter task lists based on task list group and task list group counter.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance) 4WM (Operational and Overhead Maintenance) 4VT (Improvement Maintenance)
Application Component	PM-PRM-TL (Maintenance Task Lists)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Find Maintenance Task List](#)

3.1.9 Maintenance Order Costs: Phase and Subphase

With this feature, you can use the *Maintenance Order Costs* (F4603) app to monitor and evaluate costs of phase-enabled maintenance orders that are in a specific subphase.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance)
Application Component	PM-WOC-MO (Maintenance Orders)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

You can now filter the result set by one or more subphases and thereby restrict your cost analysis to maintenance orders that are processed according to phases. The chart view and the table view show only the costs resulting from maintenance orders that currently belong to the selected subphases. For example, if you select the *Closed (Order)* subphase, you can compare the final actual costs that have been posted on the phase-enabled maintenance orders with the corresponding planned costs.

Effects on Existing Data

To enable the monitoring of maintenance order costs belonging to specific subphases, the user interface has been enhanced as follows:

- The field [Subphase](#) has been added to the *Filters* area. You can select one or several subphases to filter the result set in the content area. The value help also shows the corresponding process phases.
- The table columns [Subphase](#) and [Phase](#) have been added to the [Maintenance Costs](#) results table in the content area.

Related Information

[Maintenance Order Costs](#)
[Analyzing Costs Across Several Maintenance Orders](#)

3.1.10 Phase-Enabled Maintenance Order: External Operations

With this feature, the logic for completing external operations in phase-enabled maintenance orders has been changed.

Up to now, a final time confirmation for an external order operation with the control key `PM02` did not have any impact on the corresponding subphase. Even when the *CNF (Confirmed)* system status had been set, the external order operation stayed in the *Work in Execution* subphase of the *Execution* phase. With this feature,

the logic has changed in such a way that external order operations with the system status *CNF (Confirmed)* are always passed on to the *Work Finished* subphase of the *Post Execution* phase.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance)
Application Component	PM-WOC-MO (<i>Maintenance Orders</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

If you have categorized order operations or suboperations as external operations and assigned the control key *PM02*, you determine that the maintenance work is planned to be performed by an external service provider. In general, you can process external operations with or without time confirmations. If you do not post time confirmations, the logic for completing an external operation has not changed. If you do post time confirmations, the logic has changed in such a way that external operations that have been finally confirmed are passed on to the *Work Finished* subphase of the *Post Execution* phase. This always applies independently of whether any goods receipts have been posted or lean services have been confirmed.

Related Information

[Organizing External Maintenance Work](#)

3.1.11 Mass Editing Header Details of Maintenance Orders

This feature enables you to edit additional header details of one or more maintenance orders in the *Find Maintenance Orders* app.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance) BH1 (Corrective Maintenance) BH2 (Emergency Maintenance) BJ2 (Preventive Maintenance)
Application Component	PM-FIO (Fiori UI for Plant Maintenance)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The [Edit Orders](#) action in the *Find Maintenance Orders* app (F2175) has been enhanced with the following sections and fields for mass-editing:

Section	Available Fields
Reference Object	<ul style="list-style-type: none">• Equipment• Functional location• Material• Serial number
Location Data	<ul style="list-style-type: none">• Location• Plant section• ABC indicator
Additional Data	Responsible cost center
Responsibilities	<ul style="list-style-type: none">• Main work center• Planner group• Main work center plant• Person responsible

Related Information

[Find Maintenance Orders](#)

3.1.12 Maintenance Order: Select Materials and Services from Purchase Contract

With this feature, you can select materials and services from a purchase contract and copy them to a maintenance order operation. For this purpose, a new button [Select from Contract](#) is now available on the relevant screens in the *Change Maintenance Order* app.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance) BH1 (Corrective Maintenance) BH2 (Emergency Maintenance) BJ2 (Preventive Maintenance)
Application Component	PM-WOC-MO (Maintenance Orders)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The new [Select from Contract](#) button is available on the [Materials](#) and [Services](#) tab pages of the operation details and in the [Material Overview](#) of a maintenance order.

When you choose this button, the system displays a list of purchase contracts along with the materials and services contained in them. You can select these items and copy them to the maintenance order. To identify the required materials or services, you can filter the list according to certain criteria, such as the supplier or the validity period. If the contract items are arranged in a hierarchy list, you can expand the individual hierarchy levels (item sets) to find and select the relevant materials and services.

Effects on Customizing

To display the [Select from Contract](#) in the *Change Maintenance Order* app, you need to activate the additional function CONTRACTWD ([Select from Contract in Order Web Dynpro](#)) in Customizing for [Plant Maintenance and](#)

[Customer Service](#) under [▶ System Enhancements and Data Transfer ▶ Activate Functions for Enterprise Asset Management ▶](#).

Related Information

[Working with Operation Data in the Order Manage Purchase Contracts](#)

3.1.13 Creating Multiple Billable Maintenance Orders for an Execution Order Item (Distributed Execution)

As a maintenance planner, you can now create more than one billable maintenance order for an execution order item. This allows you to break down the maintenance planning and execution into smaller parts based on various criteria such as geographical area, technical expertise, phases, and so on.

You can create multiple billable maintenance orders for an execution order item by creating a copy of an existing billable maintenance order, creating a follow-on order, or by creating a suborder.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PM-WOC-MO (Maintenance Orders)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Customizing

You need to configure an item category to make it available for the *Distributed Execution* scenario. Go to the configuration activity using this path: [▶ Service ▶ Transactions ▶ Basic Settings ▶ Define Item Categories ▶](#). Select the [Distributed Execution](#) checkbox for the item category.

Related Information

[Order Processing: Service with Advanced Execution](#)

[Distributed Execution](#)

[Billable Maintenance Order: Configuration and Prerequisites](#)

3.1.14 Customizing Field Selection and Basic Order View Profiles for Billable Maintenance Orders

With this feature, you can customize the display of billable maintenance orders when using the *Service with Advanced Execution* process.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	6F1 (Preventive Service with Advanced Execution), 6AU (Corrective Service with Advanced Execution)
Application Component	PM-WOC-MO (Maintenance Orders)
Valid as Of	SAP S/4HANA 2023 FPS01




Additional Details

You can now set up basic order view profiles by using a screen area that displays data specific to billable maintenance orders. The [Billable](#) checkbox is displayed on the order header.

You can now also control the display of the fields specific to billable maintenance orders.

Effects on Customizing

In Customizing activity [Define View Profiles](#), you can now use the new screen area [051](#) with the title [Billable Maintenance Order](#) to display data specific to billable maintenance orders. You can find this Customizing activity in Customizing for [Plant Maintenance and Customer Service](#) under [► Maintenance and Service Processing ► Maintenance and Service Orders ► Functions and Settings for Order Types ► Basic Order View ►](#).

Additionally, the two new maintenance activities *Field Selection for Billable Maintenance Order Sales Data* and *Field Selection for Billable Maintenance Order Service Data* are available in Customizing activity *Define Field Selection for Order Header Data (PM)*. With these two new activities, you can control the display of fields specific to the billable maintenance orders. You can find this Customizing activity in Customizing for *Plant Maintenance and Customer Service* under  *Maintenance and Service Processing*  *Maintenance and Service Orders* .

3.1.15 Using WBS Elements in Billable Maintenance Orders

With this feature, you can assign billable maintenance orders to projects.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	6F1 (Preventive Service with Advanced Execution), 6AU (Corrective Service with Advanced Execution)
Application Component	PM-WOC-MO (<i>Maintenance Orders</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

You can now assign a billable maintenance order to a project by entering the WBS element in the billable order. Note that project stock components are not allowed in billable maintenance orders.

Related Information

[Assigning an Order to a Project](#)

3.1.16 Integration with Asset Performance Management

The business function (EAM_APM_INTEGRATION) allows you to control the integration of SAP S/4HANA Asset Management with SAP Asset Performance Management (APM).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PM (Plant Maintenance)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Customizing

When you switch on this business function, the following occur:

- A new configuration node called [EAM-APM Integration](#) is available under [Plant Maintenance and Customer Service](#).
- A new configuration activity called [Assign RFC Destination for APM Integration](#) is created under [EAM-APM Integration](#).

Effects on Existing Data

When you maintain the Remote Function Call (RFC) destination in the configuration activity [Assign RFC Destination for APM Integration](#), the following capabilities are available:

- An additional tab called [Recommendations](#) is available in the object page of the [Find Maintenance Task List](#) app (F2660).
- You have the option to select from the recommended task lists for a maintenance plan in the [Screen Maintenance Requests](#) app (F4072).
- An additional tab called [Recommendation](#) is available in the object page of the [Manage Maintenance Items](#) app (F5356).

Related Information

[Integration with Asset Performance Management](#)

3.1.17 Inspection Checklist Process on the Web UI

With this feature, you can generate and process inspection checklists for maintenance order operations on the SAP Web UI for Plant Maintenance and in SAP Fiori. Previously, this process was only available in SAP GUI. In addition, the relevant APIs for Maintenance Management have been enhanced to support checklist processing.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4HH (Reactive Maintenance) 4HI (Proactive Maintenance) BH1 (Corrective Maintenance) BJ2 (Preventive Maintenance)
Application Component	PM-WOC-CL (Checklist)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

If you have configured the inspection checklist process in your system and activated the relevant SAP Fiori apps, you now have the following additional options for processing inspection checklists:

- Specify a checklist type at operation level in maintenance task lists and maintenance orders using the *Change Task List* app or the *Change Maintenance Order* app. The system can then generate an inspection checklist for the corresponding order operations when the maintenance order is released.
- Navigate from the *Display Maintenance Order* app to the *Manage Inspection Lots* app (F2343) to view assigned inspection checklists. Depending on your authorizations, you can also record inspection results and make usage decisions.
- View the inspection checklists assigned to a job in the *Perform Maintenance Jobs* app. Depending on your authorizations, you can also navigate to the *Record Inspection Results* app (F1685A) to view detailed information about the relevant inspection lot and record inspection results.
- Use checklist types to filter the results list in the *Find Maintenance Orders and Operations* app and the *Find Maintenance Task List and Operation* app.
- Read or update the checklist type for an operation using the *Maintenance Order (Version 2)* API and the *Maintenance Task List* API.

Effects on Existing Data

The user interface of the relevant apps has been enhanced with the following new fields and functions:

- In maintenance task lists and maintenance orders, the field [Checklist Type](#) has been added to the operations table and operation details.
- In the *Display Maintenance Order* app, the option [Manage Inspection Lots](#) has been added to the [Additional Functions](#) menu. Once checklists have been generated for a maintenance order, this option allows you to navigate from the order to the *Manage Inspection Lots* app.
- The *Perform Maintenance Jobs* app has been enhanced with several new filters which allow you to easily identify jobs with assigned checklists. If a job contains at least one checklist, an additional [Checklists](#) tab is available on the details page of the job. For each checklist, the system displays the relevant inspection lot as well as a colored status bar with a quick view that provides compact information about the available checklist items, their valuation status, and additional details. You can also navigate to the *Record Inspection Results* app.
- In the *Find Maintenance Orders and Operations* app and the *Find Maintenance Task List and Operation* app, the field [Checklist Type](#) is available as a filter, table column, and on the operation object page.

In addition, the operation entity of the *Maintenance Order (Version 2)* API and the *Maintenance Task List* API has been enhanced with the new property `MaintOperationalChecklistType`, which allows you to read or update the checklist type for an operation.

Effects on System Administration

- To use the inspection checklist process on the SAP Web UI, you need to activate the business function *EAM, Inspection Checklists* (`LOG_EAM_CHECKLIST`).
- To access inspection checklists from maintenance orders on the SAP Web UI, the [Manage Inspection Lots](#) app ([F2343](#)) must be activated in your system. To record inspection results via the *Perform Maintenance Jobs* app, the [Record Inspection Results](#) app ([F1685A](#)) must be activated in your system. The business catalog *EAM - Inspection Checklist* (`SAP_EAM_BC_INSPCHKLST`), which is included in the SAP business role for the Maintenance Planner (`SAP_BR_MAINTENANCE_PLANNER`), now allows users to access the *Manage Inspection Lots* app and the *Record Inspection Results* app with the authorization to record inspection results and make usage decisions. Depending on the permissions you want to grant your users, make sure to adjust the authorizations accordingly in your custom business roles.

Effects on Customizing

- You need to configure the inspection checklist process in your system as described under [Planning of the Inspection Checklist Process](#).
- To display the required fields in the maintenance order and maintenance task list, the checklist process must be configured for the relevant order type and planning plant using the Customizing activity [Configure Checklists for Maintenance Order Types and Planning Plants](#) in Customizing for [Plant Maintenance and Customer Service](#) under [Maintenance and Service Processing](#) [Maintenance and Service Orders](#) [Functions and Settings for Order Types](#).

Note

To be able to generate inspection checklists for operations on the SAP Web UI, make sure that automatic object list generation is enabled for the relevant order types and planning plants in this activity. In addition, we recommend enabling automatic checklist generation. If you do not do this, you have to trigger checklist generation by means of a job or manually using the SAP GUI transaction IW92.

Related Information

[Inspection Checklists on the Web UI](#)
[Perform Maintenance Jobs](#)
[Manage Inspection Lots](#)
[Record Inspection Results](#)

3.1.18 Assignment of Multiple Maintenance Technicians to Execute a job in Perform Maintenance Jobs

This feature enables all the assigned maintenance technicians to review, execute, and report their respective findings for a job.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BH1 (Corrective Maintenance) BH2 (Emergency Maintenance) BJ2 (Preventive Maintenance) 4HH (Reactive Maintenance) 4HI (Proactive Maintenance) 4WM (Operational and Overhead Maintenance) 4VT (Improvement Maintenance)
Application Component	PM (Plant Maintenance)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Perform Maintenance Jobs](#)

3.1.19 Manage Safety Certificates App

With this app, you can create new safety certificates or manage the existing safety certificates that are active, non-active, or closed in the system. New certificates can be created with reference to an existing work permit, a predefined safety certificate template, or independently. Once the safety certificate has been created, you can enhance the record with additional details related to the safety requirements. A validated certificate goes through an approval process that adheres to a four-eyes principle.

A safety certificate can be integrated with a work permit when the maintenance job demands additional control measures.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PM-WCM (Work Clearance Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Customizing

For the Customizing entries required for the Permit to Work scenarios, go to ► [Plant Maintenance and Customer Service](#) ► [Work Clearance Management](#) ► [Permit to Work](#) ►.

Related Information

[Permit to Work](#)
[Manage Safety Certificates](#)

3.1.20 Manage Safety Certificate Templates App

With this app, you can create new safety certificate templates or manage the existing safety certificate templates that are active, non-active, or closed in the system. New certificate templates can be created with reference to another certificate template or independently. Once the certificate template has been created, you can enhance the record with additional details related to the safety requirements. A validated certificate template goes through an approval process that adheres to a four-eyes principle. A partially approved or a fully approved template can be used as a reference template in the [Manage Safety Certificates](#) app to generate safety certificates in a consistent format.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PM-WCM (Work Clearance Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Customizing

For the Customizing entries required for the Permit to Work scenarios, go to ► [Plant Maintenance and Customer Service](#) ► [Work Clearance Management](#) ► [Permit to Work](#) ►.

Related Information

[Permit to Work](#)
[Manage Safety Certificate Templates](#)

3.1.21 Permit to Work Overview App

With this app, you can view a summarized view of the open work permits and safety certificates associated with a planning plant. The app allows you to monitor the key figures, such as the work permits and safety certificates available based on their record type, processing status, and utilization in work centers. You can

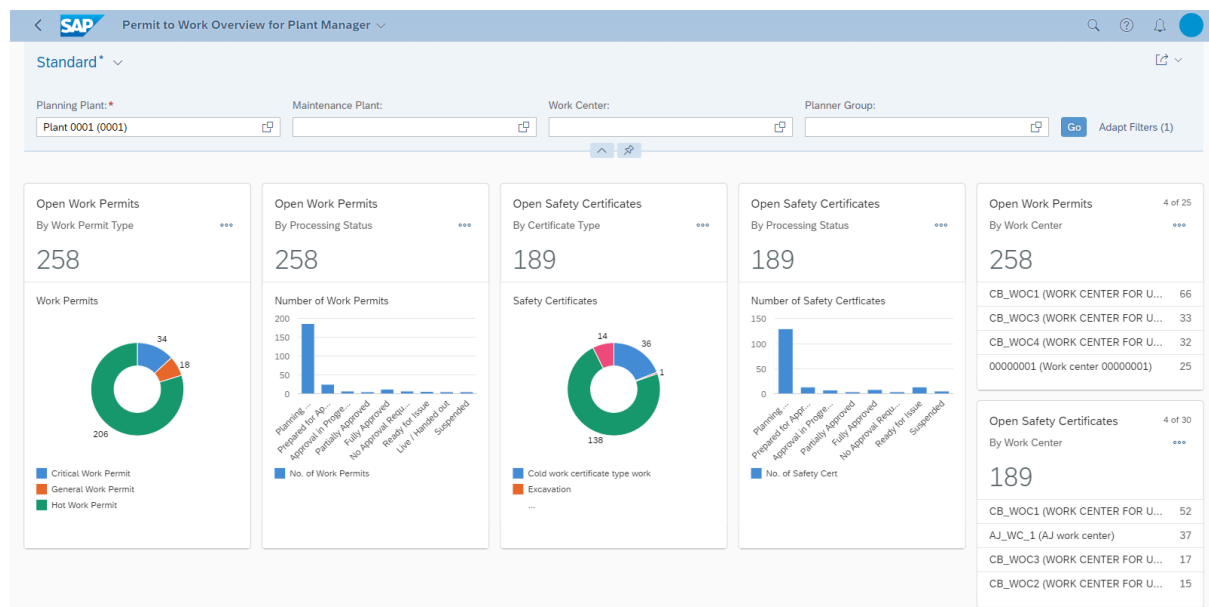
personalize the information displayed on the page by choosing additional location units within the selected planning plant.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PM-WCM (Work Clearance Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following screenshot shows the cards that are available in the [Permit to Work Overview](#) app:



Note

This image is available only in English.

Effects on Customizing

For the Customizing entries required for the Permit to Work scenarios, go to ► [Plant Maintenance and Customer Service](#) ► [Work Clearance Management](#) ► [Permit to Work](#) ►.

Related Information

[Permit to Work](#)
[Permit to Work Overview](#)

3.1.22 Work Permit and Safety Certificate Integration in Permit to Work

A work permit can be integrated with a safety certificate (or vice versa) when the maintenance job requires additional control measures. The safety certificate becomes a requirement when an associated safety precaution needs a certificate to ensure the completion of its enclosed safety requirements. When certificate is assigned to a work permit, it becomes mandatory that the safety requirements in the certificate are implemented before the work permit has been printed/issued.

A work permit can be attached to the safety certificate (or vice versa) either manually or through reference objects. The assignment will be updated in the respective sections in the [Manage Work Permits](#) and the [Manage Safety Certificates](#) apps.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PM-WCM (Work Clearance Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Customizing

For the Customizing entries required for the Permit to Work scenarios, go to ► [Plant Maintenance and Customer Service](#) ► [Work Clearance Management](#) ► [Permit to Work](#) ►.

Related Information

[Permit to Work](#)
[Manage Work Permits](#)
[Manage Safety Certificates](#)

3.1.23 Work Permit Template and Safety Certificate Template Integration in Permit to Work

A work permit template can be integrated with a safety certificate template and associate the work activity with additional control measures. When a work permit template is assigned to a safety certificate template (or vice versa), the assignment is updated in the respective sections in the [Manage Safety Certificate Templates](#) and the [Manage Work Permit Templates](#) apps.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PM-WCM (Work Clearance Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Customizing

For the Customizing entries required for the Permit to Work scenarios, go to ► [Plant Maintenance and Customer Service](#) ► [Work Clearance Management](#) ► [Permit to Work](#) ►.

Related Information

[Permit to Work](#)
[Manage Safety Certificate Templates](#)
[Manage Work Permit Templates](#)

3.1.24 Deletion of Manage Maintenance Plan and Item List App

The [Manage Maintenance Plan and Item List](#) (w0026) app has been deleted and is no longer available on the SAP Fiori launchpad. You can use the following successor apps which are available on the SAP Fiori launchpad: [Manage Maintenance Plans](#) (F5325) and [Manage Maintenance Items](#) (F5356).

Technical Details

Type	Deleted
Functional Localization	Not applicable
Scope Item	4HI (Proactive Maintenance) BJ2 (Preventive Maintenance)
Application Component	PM-PRM-MP (Maintenance Plans)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Manage Maintenance Items](#)
[Manage Maintenance Plans](#)

3.1.25 Deletion of Manage Notification List App

The [Manage Notification List](#) (w0004) app has been deleted and is no longer available on the SAP Fiori launchpad. You can use the following successor app which is available on the SAP Fiori launchpad: [Find Maintenance Notification](#) (F2071).

Technical Details

Type	Deleted
Functional Localization	Not applicable
Scope Item	BH1 (Corrective Maintenance) BH2 (Emergency Maintenance) BJ2 (Preventive Maintenance)
Application Component	PM-WOC-MN (Maintenance Notification)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Find Maintenance Notification](#)

3.1.26 Deletion of Manage Order List App

The [Manage Order List](#) app has been deleted and is no longer available on the SAP Fiori launchpad. Please use the following successor apps:

- [Find Maintenance Orders](#) (F2175)
- [Find Maintenance Orders and Operations](#) (F2173)

If you process your maintenance notifications and orders according to phases, you can also use the [Manage Maintenance Notifications and Orders](#) app (F4604).

Technical Details

Type	Deleted
Functional Localization	Not applicable
Scope Item	BH1 (Corrective Maintenance) BH2 (Emergency Maintenance) BJ2 (Preventive Maintenance)
Application Component	PM-WOC (Maintenance Processing)

Related Information

[Find Maintenance Orders](#)

[Find Maintenance Orders and Operations](#)

[Manage Maintenance Notifications and Orders](#)

3.1.27 Deletion of Manage Orders and Notifications in Information Center App

The [Manage Orders and Notifications in Information Center](#) app has been deleted and is no longer available on the SAP Fiori launchpad. Please use the following successor apps:

- [Find Maintenance Orders](#) (F2175)
- [Find Maintenance Orders and Operations](#) (F2173)
- [Find Maintenance Notification](#) (F2071)

If you process your maintenance notifications and orders according to phases, you can also use the [Manage Maintenance Notifications and Orders](#) app (F4604).

Technical Details

Type	Deleted
Functional Localization	Not applicable
Scope Item	BH1 (Corrective Maintenance) BH2 (Emergency Maintenance) BJ2 (Preventive Maintenance)
Application Component	PM-WOC (Maintenance Processing)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on System Administration

Note that the corresponding business catalog [EAM - Information Center](#) (SAP_EAM_BC_INFO_MC) has been deleted along with this app. The business catalogs that give access to the successor apps are already included in the business role templates for the *Maintenance Planner* and *Maintenance Technician* roles.

Related Information

[Find Maintenance Orders](#)

[Find Maintenance Orders and Operations](#)

[Manage Maintenance Notifications and Orders](#)

[Find Maintenance Notification](#)

3.2 Country/Region Specifics

For country/region-specific changes, please see [What's New Viewer](#).

4 Finance

4.1 Financial Planning and Analysis

4.1.1 Financial Planning

4.1.1.1 Greenhouse Gas Emission Planning in SAP Analytics Cloud

At SAP, we understand the critical role that greenhouse gas (GHG) emissions play in our global environment and their substantial impact not only on the climate, but also on financials. Therefore, we've enhanced the [Integrated Financial Planning for SAP S/4HANA](#) business content in SAP Analytics Cloud to seamlessly incorporate carbon dioxide equivalent (CO2e) planning.

CO2e activity rates can be calculated for subsequent use in product costing. Our solution allows corporations to manage their environmental footprint strategically alongside their economic sustainability goals. It collates CO2e emissions data with traditional financial metrics, offering a comprehensive overview of a company's operations and impact. This not only leads to the development of environmentally responsible strategies, but also identifies financial risks and costs that go along with GHG emissions.

For more information, please see [Greenhouse Gas Emission Planning](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4RC 1HB
Application Component	CO-FIO-SAC-PL (SAC Planning Content) CO-FIO-OM-PL (Manage Financial Plan Data)
Valid as Of	SAP S/4HANA 2023 FPS01

Prerequisite

Financial planning has been performed and the financial plan is complete and consistent.

Additional Details

To support this new function, we've implemented two new stories for you to choose from for your GHG emission planning. Each story requires different parts of the *Integrated Financial Planning for SAP S/4HANA* business content as prerequisites, for example, the raw materials coming from product cost planning and the cost centers from the operating expense (OPEX) planning model.

- **Option 1: Perform the *Greenhouse Gas Emission Factor Planning and Valuation* story**
(SAP_FI_IFP_IM_Cross_CO2E_FactorPlanningAndValuation).
This option requires you to plan the quantities of raw materials, CO2e-related cost center expenses, and CO2e-related performance quantities (such as energy cost centers). This enables the calculation of the corporate footprint.
For more information, see [Greenhouse Gas Emission Factor Planning and Valuation](#).

- **Option 2: Perform the following two stories in the following order:**

1. *Greenhouse Gas Emission Factor Planning and Valuation* story
(SAP_FI_IFP_IM_Cross_CO2E_FactorPlanningAndValuation)
2. *Greenhouse Gas Emission Allocation to Cost Center and Product* story
(SAP_FI_IFP_IM_Cross_CO2E_AllocationToCCtrAndProduct)

Using option 2 is more comprehensive, incorporating Integrated Financial Planning along with quantity structures, allocations, and cost center activity planning. This enables a detailed breakdown of CO2 emissions, specifying them according to product and cost center.

For more information, see

- [Greenhouse Gas Emission Factor Planning and Valuation](#)
- [Greenhouse Gas Emission Allocation to Cost Center and Product](#)

To get an overview of the main process steps of the GHG emission planning, please have a look at this topic: [Greenhouse Gas Emission Planning - Process Overview](#).

Note

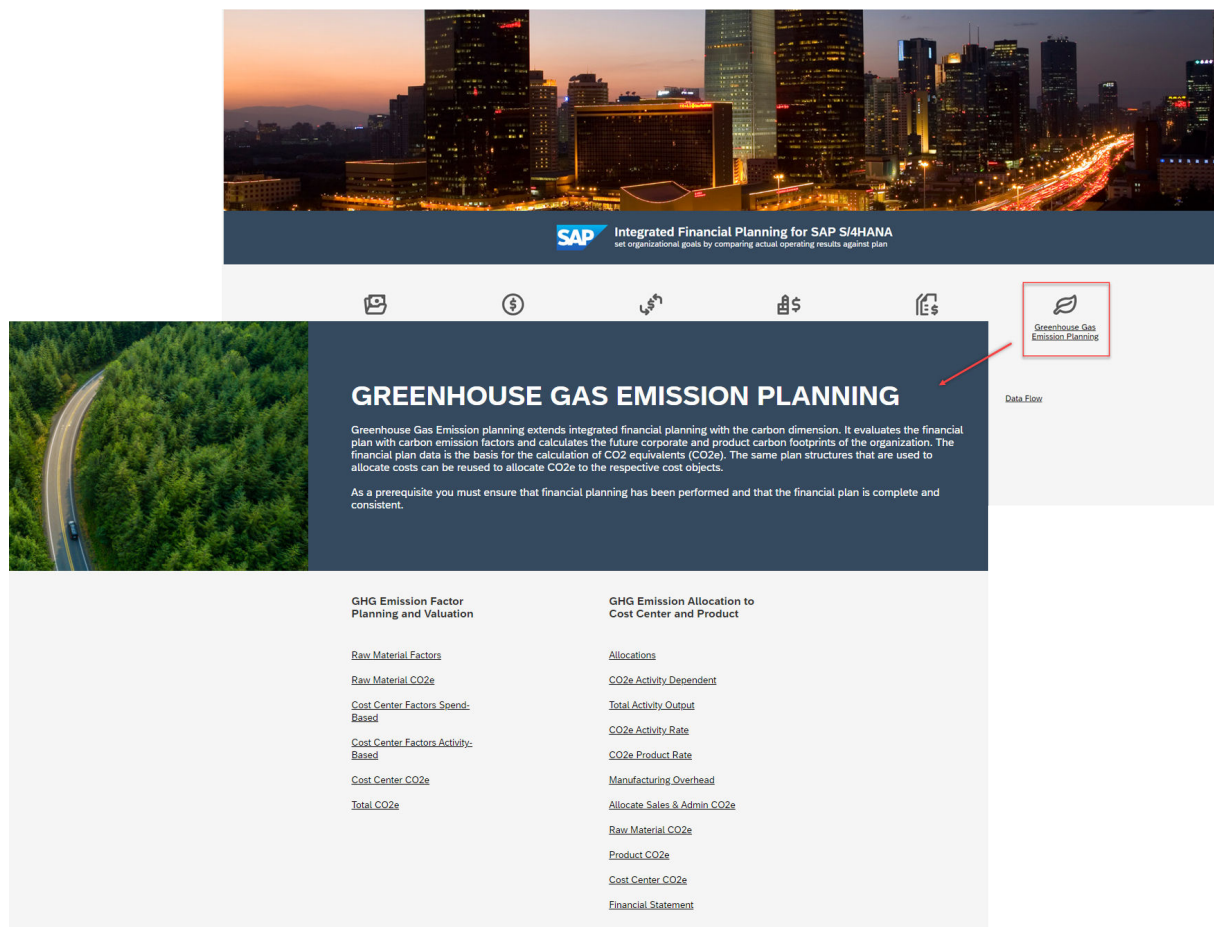
The following multimedia content displays screens and interfaces in English only.

Greenhouse Gas Emission Planning Landing Page

To open the stories, from the main menu of the SAP Analytics Cloud system, choose  [Files](#)

 [Public](#)  [SAP_Content](#)  [SAP_FI_IFP_Financial_Planning](#)  [Stories](#)  [SAP_FI_IFP_IM_Cross_LandingPage](#) .

Then choose *Greenhouse Gas Emission Planning*.



Greenhouse Gas Emission Planning landing page

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

- On the [Raw Material Factors](#) page of the [Greenhouse Gas Emission Factor Planning and Valuation](#) story, you can plan the raw material CO2e factor for each component quantity unit.

Company Code (1) Company Code 1710					
Greenhouse Gas Emission Factor Planning and Valuation Plan Raw Material CO2e per Component Quantity Unit					
in kg 1 Filter 5 sorts applied 1					
					Time > 2025
Component Plant	Material	G/L Account	GHG Category	Component Quantity Unit	
Plant 1 US	RAW124,VB,Consumption,FixedBin	Totals			10,000
		Consumption - Raw Material	Scope 3.1 - Purchased goods and services	Piece	10,000
	RAW20,PD	Totals			20,000
		Consumption - Raw Material	Scope 3.1 - Purchased goods and services	Piece	16,000
		Purchased Services - Ground Transportation	Scope 3.4 - Upstream transportation and distribution	Piece	4,000

Raw Material Factors page of the Greenhouse Emission Factor Planning and Valuation story

- On the [Allocations](#) page of the [Greenhouse Gas Emission Allocation to Cost Center and Product](#) story, you can allocate cost center sales and admin CO2e to plant and product based on plan gross revenue. As a result of the allocation, the credits to cost centers in the OPEX model are displayed in the left-hand table, resulting in the sum of debits and credits being zero. The corresponding debits to plant and product in the profitability model are displayed in the right-hand table.

Company Code (1) Company Code 1710				
Greenhouse Gas Emission Allocation to Cost Center and Product Allocate Sales & Admin CO2e to Products				
Allocate Sales & Admin CO2e from Cost Center				
OPEX - Cost Center Sales & Admin CO2e in kg 2 Filters 4 sorts applied				
Cost Center	Controlling Debit Credit...	G/L Account	GHG Category	Time > 2025
Build. & Maint (US)	Totals			0
	Debit	Electricity and other Utilities	> Total	60.000
		Travel Expenses - Miscellaneous	> Total	120.000
	Credit	COPA -Admin. Overhead	> Total	0
		Secondary costs	> Total	-180.000
Financials (US)	Totals			24.000
	Debit	Travel Expenses - Miscellaneous	> Total	24.000
IT Services-(US)	Totals			0
	Debit	Electricity and other Utilities	> Total	60.000
		Travel Expenses - Miscellaneous	> Total	120.000
	Credit	COPA -Admin. Overhead	> Total	-36.000
		Overhead production	> Total	-144.000
Manufacturing 1 (US)	Totals			0
	Debit	Environmental	> Total	234.000
		Secondary costs	> Total	90.000

Profitability - Allocate Sales & Admin CO2e to Plant & Product in kg 2 Filters 3 sorts applied {}				
Partner Cost Center	Plant	Product	GHG Category	Time > 2025
Build. & Maint (US)	Totals			0
	Plant 1 US	FIN126.MTS-DI.PD.Serialho	> Total	0
		FIN129.MTS-DI.PD.QM	> Total	0
	Unassigned	Unassigned	> Total	0
IT Services-(US)	Totals			36.000
	Plant 1 US	FIN126.MTS-DI.PD.Serialho	> Total	9.818
		FIN129.MTS-DI.PD.QM	> Total	26.182
	Unassigned	Unassigned	> Total	0

Allocations page of the Greenhouse Gas Emission Allocation to Cost Center and Product story

- On the *Total CO2e* page of the *Greenhouse Gas Emission Allocation to Cost Center and Product* story, you can copy the CO2e overhead costs from the underlying plans to the financial statement model. This includes the following:
 - Raw material CO2e from the product cost planning model
 - Cost center CO2e from the OPEX planning model
 - Product CO2e from the sales and profitability planning model

As a result, the total CO2e is displayed in the left-hand table in addition to the financial statement and CO2e-flow statement.

Company Code (1) Company Code 1710				
Greenhouse Gas Emission Allocation to Cost Center and Product View Total CO2e				
Copy CO2e from Underlying Plans				
GHG Scope Statement in kg 2 Filters 1				
GHG Category	Time > 2025			
✓ Total	10.464.000			
✓ Scope 1	120.000			
Scope 1 - Stationary com...	120.000			
✓ Scope 2	468.000			
Scope 2 - Purchased elect...	468.000			
✓ Scope 3	9.876.000			
Scope 3.1 - Purchased go...	8.892.000			
Scope 3.4 - Upstream tra...	720.000			
Scope 3.6 - Business travel	264.000			

Financial Statement 2 Filters				
	Time > 2025	Measures	Local Currency	CO2e
G/L Account				
✓ SAP Best Practices Financial Stmt...			\$0	0 kg
✓ Assets			\$1.041.000	-10.452.000 kg
✓ Current Assets			\$1.017.000	-10.452.000 kg
> Cash & Equivalents			\$978.600	-10.464.000 kg
> Accounts Receivable			\$0	-
> Inventories			\$14.400	12.000 kg
> Other Current Assets			\$24.000	-
✓ Non-Current Assets			\$24.000	-
> Property Plant & Equipment (...)			\$0	-
> Other Non-Current Assets			\$24.000	-
✓ Liabilities and Equity			-\$96.000	-
✓ Liabilities			-\$96.000	-
> Current Liabilities			\$0	-
> Non-Current Liabilities			-\$96.000	-
✓ Equity			-	-
> Equity - Subscribed Capital			-	-
✓ Net Income			-\$945.000	10.452.000 kg
✓ Operating Income			-\$945.000	10.452.000 kg

CO2e-Flow Statement in kg 2 Filters				
G/L Account	GHG Category	Time > 2025		
CO2e Flow (Direct Method)	> Total	10.464.000		
✓ CO2e Flow (Indirect Meth...	> Total	10.464.000		
✓ Capitalized CO2e	> Total	12.000		
CO2e from Inventory ...	> Total	12.000		
✓ Operational CO2e	> Total	10.452.000		
CO2e from COGS	> Total	10.392.000		
CO2e from OPEX	> Total	60.000		

Total CO2e page of the Greenhouse Gas Emission Allocation to Cost Center and Product story

Effects on System Administration

To utilize this feature, you need to update the *Integrated Financial Planning for SAP S/4HANA* business content within SAP Analytics Cloud. For more information, please see [Importing SAP Business Content: Integrated Financial Planning for SAP S/4HANA and SAP S/4HANA Cloud](#).

Related Information

[Greenhouse Gas Emission Planning](#)

4.1.1.2 FTE Planning in Financial Statement Planning in SAP Analytics Cloud

As part of the *Integrated Financial Planning for SAP S/4HANA* business content, we already offer the *Workforce Planning Integration* story that enables you to transfer FTE (full-time equivalent) from *SAP Human Experience Management Workforce Planning* to *Financial Statement Planning* and *Operating Expense Planning*. For more information, see [Workforce Planning Integration](#).

However, if you don't have the integration option, you can now enter the FTE manually. To enable this, we've added the new page *Enter FTE* in the *Financial Statement Planning Administration* story. For more information, see [Financial Statement Planning Administration](#).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4RC 1HB
Application Component	CO-FIO-SAC-PL (<i>SAC Planning Content</i>) CO-FIO-OM-PL (<i>Manage Financial Plan Data</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Note

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

- The table on the [Enter FTE](#) page of the [Financial Statement Planning](#) story is prefilled. You can adjust the numbers for your planning.

The screenshot shows the SAP Financial Statement Planning Administration story, specifically the 'Enter FTE' page. The interface includes a top navigation bar with the SAP logo and various icons. Below the navigation bar, there are filters for 'Company Code (1) 1710 (Company Code 1710)' and 'Profit Center (All)'. The main content area displays a table with columns for 'Version', 'Actual', 'Plan', and 'Time'. The 'Time' column is set to '2023'. The table lists 'Full-Time Equivalents' for various periods (P01 (2024) to P12 (2024)).

Version	Actual	Plan	Time	P01 (2024)	P02 (2024)	P03 (2024)	P04 (2024)	P05 (2024)	P06 (2024)	P07 (2024)	P08 (2024)	P09 (2024)	P10 (2024)	P11 (2024)	P12 (2024)
Full-Time Equivalents	18.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00

Enter FTE Page in the Financial Statement Planning Administration Story

- On the [KPIs](#) page of the [Financial Statement Reporting](#) story, you can view the result of FTE planning, such as the travel costs per FTE.

The screenshot shows the SAP Financial Statement Reporting story, specifically the 'KPIs' page. The interface includes a top navigation bar with the SAP logo and various icons. Below the navigation bar, there are filters for 'Company Code (1) 1710 (Company Code 1710)', 'Profit Center (All)', 'Functional Area (All)', and 'Trading Partner (All)'. The main content area displays a table with columns for 'Version', 'Actual', 'Plan', and 'Time'. The table lists various KPIs, including 'Profit and Loss KPIs' and 'FTE KPIs'. The 'FTE KPIs' section shows values for 'Salary/Wages per FTE', 'Travel per FTE', 'Revenue per FTE', 'OPEX per FTE', 'Net Income per FTE', and 'OpIncome per FTE'.

Version	Actual	Plan	Time	P01 (2024)	P02 (2024)	P03 (2024)	P04 (2024)	P05 (2024)	P06 (2024)	P07 (2024)	P08 (2024)	P09 (2024)	P10 (2024)	P11 (2024)	P12 (2024)
Net Revenue	\$6,105,000	\$6,105,000	\$508,750	\$508,750	\$508,750	\$508,750	\$508,750	\$508,750	\$508,750	\$508,750	\$508,750	\$508,750	\$508,750	\$508,750	\$508,750
COGS	\$4,740,000	\$4,740,000	\$395,000	\$395,000	\$395,000	\$395,000	\$395,000	\$395,000	\$395,000	\$395,000	\$395,000	\$395,000	\$395,000	\$395,000	\$395,000
Gross Margin	\$1,365,000	\$1,365,000	\$113,750	\$113,750	\$113,750	\$113,750	\$113,750	\$113,750	\$113,750	\$113,750	\$113,750	\$113,750	\$113,750	\$113,750	\$113,750
Gross Margin %	22.4 %	22.4 %	22.4 %	22.4 %	22.4 %	22.4 %	22.4 %	22.4 %	22.4 %	22.4 %	22.4 %	22.4 %	22.4 %	22.4 %	22.4 %
Operating Expense	\$420,000	\$420,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000
Operating Income	\$945,000	\$945,000	\$78,750	\$78,750	\$78,750	\$78,750	\$78,750	\$78,750	\$78,750	\$78,750	\$78,750	\$78,750	\$78,750	\$78,750	\$78,750
Operating Margin %	15.5 %	15.5 %	15.5 %	15.5 %	15.5 %	15.5 %	15.5 %	15.5 %	15.5 %	15.5 %	15.5 %	15.5 %	15.5 %	15.5 %	15.5 %
Salary/Wages per FTE	\$123,333/FTE	\$130,588/FTE	\$10,882/FTE	\$10,882/FTE	\$10,882/FTE	\$10,882/FTE	\$10,882/FTE	\$10,882/FTE	\$10,882/FTE	\$10,882/FTE	\$10,882/FTE	\$10,882/FTE	\$10,882/FTE	\$10,882/FTE	\$10,882/FTE
Travel per FTE	\$6,000/FTE	\$6,353/FTE	\$529/FTE	\$529/FTE	\$529/FTE	\$529/FTE	\$529/FTE	\$529/FTE	\$529/FTE	\$529/FTE	\$529/FTE	\$529/FTE	\$529/FTE	\$529/FTE	\$529/FTE
Revenue per FTE	\$339,167/FTE	\$359,118/FTE	\$29,926/FTE	\$29,926/FTE	\$29,926/FTE	\$29,926/FTE	\$29,926/FTE	\$29,926/FTE	\$29,926/FTE	\$29,926/FTE	\$29,926/FTE	\$29,926/FTE	\$29,926/FTE	\$29,926/FTE	\$29,926/FTE
OPEX per FTE	\$23,333/FTE	\$24,706/FTE	\$2,059/FTE	\$2,059/FTE	\$2,059/FTE	\$2,059/FTE	\$2,059/FTE	\$2,059/FTE	\$2,059/FTE	\$2,059/FTE	\$2,059/FTE	\$2,059/FTE	\$2,059/FTE	\$2,059/FTE	\$2,059/FTE
Net Income per FTE	\$52,500/FTE	\$55,588/FTE	\$4,632/FTE	\$4,632/FTE	\$4,632/FTE	\$4,632/FTE	\$4,632/FTE	\$4,632/FTE	\$4,632/FTE	\$4,632/FTE	\$4,632/FTE	\$4,632/FTE	\$4,632/FTE	\$4,632/FTE	\$4,632/FTE
OpIncome per FTE	\$52,500/FTE	\$55,588/FTE	\$4,632/FTE	\$4,632/FTE	\$4,632/FTE	\$4,632/FTE	\$4,632/FTE	\$4,632/FTE	\$4,632/FTE	\$4,632/FTE	\$4,632/FTE	\$4,632/FTE	\$4,632/FTE	\$4,632/FTE	\$4,632/FTE

KPIs Page in the Financial Statement Reporting Story

Effects on System Administration

To utilize this feature, you need to update the [Integrated Financial Planning for SAP S/4HANA](#) business content within SAP Analytics Cloud. For more information, please see [Importing SAP Business Content: Integrated Financial Planning for SAP S/4HANA and SAP S/4HANA Cloud](#).

Related Information

[Financial Statement Planning in SAP Analytics Cloud](#)

4.1.1.3 Raw Material Planning in Product Cost Planning in SAP Analytics Cloud

The [Product Cost Resource Planning](#) story in SAP Analytics Cloud has been enhanced. In the past, it was always assumed that only what is actually consumed is purchased. Now, the calculated raw material required for production is posted as credits and debits. You can adjust the debits for purchased materials. The difference is reflected in the raw material inventory. This enables a more accurate planning of the warehouse goods if more is purchased than required for production, for example, for cost reasons. In addition, the new resource planning function separates the cost center resources and the material resources for better transparency.

For more information, see [Product Cost Resource Planning](#).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4RC 1HB
Application Component	CO-FIO-SAC-PL (SAC Planning Content) CO-FIO-OM-PL (Manage Financial Plan Data)
Valid as Of	SAP S/4HANA 2023 FPS01

Prerequisites

- You've derived the quantity structure from the cost estimate.
- You've copied the sales quantities from the profitability plan.

Additional Details

Note

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

In the past, only the [Resources](#) page existed in the [Product Cost Resource Planning](#) story. Now we have the following three pages instead. In addition, we have introduced the new dimension [Controlling Debit Credit Code](#).

- [Cost Center Resources](#)

		Time	2024	P01 (2024)	P02 (2024)	P03 (2024)	P04 (2024)	P05 (2024)
		Controlling Debit Credit Code	Credit	Credit	Credit	Credit	Credit	Credit
Manufacturing 1 (US)	Machine hours 1	Hours	-24,000	-2,000	-2,000	-2,000	-2,000	-2,000
	Personnel Hours	Hours	-24,000	-2,000	-2,000	-2,000	-2,000	-2,000
Manufacturing 2 (US)	Machine hours 1	Hours	-12,000	-1,000	-1,000	-1,000	-1,000	-1,000
	Personnel Hours	Hours	-12,000	-1,000	-1,000	-1,000	-1,000	-1,000

Cost Center Resources page

On the [Cost Center Resources](#) page, you can calculate the cost center resource consumption (total activity quantity) based on the sales quantities and the quantity structure. The cost center resources are posted as credits. This data is also transferred to the OPEX planning as credits to be taken into account for the cost center calculation.

- [Raw Material Resources](#)

File

Edit

Tools

Display

Publish Data

Raw Material Resources

<

5 / 7

>

Company Code (1)
Company Code 1710

Plant (1)
All Plant

Product Cost Resource Planning

Calculate Raw Material Resources

▶

Calc. Material Resources

3 Filters

4 sorts applied

1

		Time	2024	P01 (2024)		P02 (2024)			
		Controlling Debit Credit Code	Debit	Credit	Debit	Credit	Debit	Credit	
Component Plant	Material	Quantity Unit							
Plant 1 US	RAW124.VB,Consumption,FixedBin	Piece	600,000	-600,000	50,000	-50,000	50,000	-50,000	
	RAW20,PD	Piece	180,000	-180,000	15,000	-15,000	15,000	-15,000	

Raw Material Resources page

On the [Raw Material Resources](#) page, you can calculate the material resource consumption (total raw material quantity) based on the sales quantities and the quantity structure. The calculated raw material quantities are then posted as credits and debits. You can adjust the debits for your planning.

- [Raw Material Inventory](#)

File

Edit

Tools

Display

Publish Data

</

Raw Material Inventory page

On the [Raw Material Inventory](#) page, you can calculate the raw material inventory changes based on the debit and credit quantities and the component prices. The result is posted to an inventory account.

Effects on System Administration

To utilize this feature, you need to update the [Integrated Financial Planning for SAP S/4HANA](#) business content within SAP Analytics Cloud. For more information, please see [Importing SAP Business Content: Integrated Financial Planning for SAP S/4HANA and SAP S/4HANA Cloud](#).

Related Information

[Product Cost Planning in SAP Analytics Cloud](#)

4.2 Accounting and Financial Close

4.2.1 Organizational Change Report - Master Data Lists

With this app, you can view objects that were affected by an organizational change in a list view. In this list view, you can analyze all objects by profit center and search for specific objects.

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	4PG
Application Component	FI-GL-OC (Organizational Changes in Accounting)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

You can use this app to analyze the effect of an organizational change and the corresponding reassignment of profit centers. Reporting is available anytime during the organizational change, but only after a simulation has been performed.

The reassignment status of profit centers depends on the status of the organizational change. After an organizational change has been simulated, the profit center reassignment doesn't occur, and the status is displayed accordingly. After an organizational change is processed, the profit center reassignment status should be successful.

Effects on Existing Data

The reorganization of profit centers ensures adjustments of master data and transfer postings for selected balance sheet items per profit center (field PRCTR).

Effects on Data Transfer

The reorganization of profit centers ensures transfer postings for selected balance sheet items per profit center. Profit and loss amounts are not transferred for historical periods.

Effects on Customizing

After you create an organizational change, you have the option to simulate the organizational change and you can view the simulated data in this app.

To use the simulation feature, the *Define Extension Ledger* activity must be completed first.

For more information, refer to [Configuration Activities for Organizational Changes](#).

Related Information

[Organizational Changes in Accounting](#)
[Organizational Change Report - Master Data Lists](#)

4.2.2 App Extensibility: Organizational Change Report - Master Data Lists

With this app, you can view objects that were affected by an organizational change in a list view. In this list view, you can analyze all objects by profit center and search for specific objects. Now, you can use the *Custom Fields* app to extend the *Organizational Change Report - Master Data Lists* app to include additional fields.

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	4PG
Application Component	FI-GL-OC (<i>Organizational Changes in Accounting</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

In the [Custom Fields](#) app, you can create data source extensions to extend the [Organizational Change Report - Master Data Lists](#) app to include additional fields provided by the following data sources (consumption CDS views):

Data Source Name	Entity Type
C_BillingProfitCtrToSlsOrdItem	Consumption CDS View
C_PrftCtrToCtrlgProdnOrd	Consumption CDS View
C_PrftCtrToProdCostCollector	Consumption CDS View
C_PrftCtrToQltyCostCollector	Consumption CDS View
C_ProfitCenterToInternalOrder	Consumption CDS View
C_ProfitCenterToMaintOrder	Consumption CDS View
C_ProfitCenterToProcessOrder	Consumption CDS View
C_ProfitCenterToProdnOrder	Consumption CDS View
C_ProfitCenterToProjectNetwork	Consumption CDS View
C_ProfitCenterToProduct	Consumption CDS View
C_ProfitCenterToProject	Consumption CDS View
C_ProfitCenterToPurOrderItem	Consumption CDS View
C_ProfitCenterToSalesOrderItem	Consumption CDS View
C_ProfitCenterToWBSElement	Consumption CDS View

Effects on Existing Data

The reorganization of profit centers ensures adjustments of master data and transfer postings for selected balance sheet items per profit center (field PRCTR).

Effects on Data Transfer

The reorganization of profit centers ensures transfer postings for selected balance sheet items per profit center. Profit and loss amounts are not transferred for historical periods.

Related Information

[Organizational Changes in Accounting](#)
[Organizational Change Report - Master Data Lists](#)

4.2.3 CDS Views for Organizational Changes

With the Organizational Change Report - Master Data Lists app, you can view objects that were affected by an organizational change in a list view. In this list view, you can analyze all objects by profit center and search for specific objects. Now, this app uses several new CDS Views.

Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	4PG
Application Component	FI-GL-OC (<i>Organizational Changes in Accounting</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

This app uses the following CDS views:

CDS View Name	Description
I_BillingProfitCtrToSlsOrdItem	Assignment of Billing Profit Center to Sales Order Item
I_ProfitCenterToCostCenter	Assignment of Profit Center to Cost Center
I_ProfitCenterToFixedAsset	Assignment of Profit Center to Fixed Asset
I_ProfitCenterToNetworkActy	Assignment of Profit Center to Network Activity
I_ProfitCenterToOpenItem	Assignment of Profit Center to Open Item
I_ProfitCenterToOrder	Assignment of Profit Center to Order
I_ProfitCenterToProduct	Assignment of Profit Center to Product
I_ProfitCenterToProject	Assignment of Profit Center to Project
I_ProfitCenterToPurOrderItem	Assignment of Profit Center to Purchase Order Item
I_ProfitCenterToSalesOrderItem	Assignment of Profit Center to Sales Order Item
I_ProfitCenterToWBSElement	Assignment of Profit Center to WBS Element

Effects on Existing Data

The reorganization of profit centers ensures adjustments of master data and transfer postings for selected balance sheet items per profit center (field PRCTR).

Effects on Data Transfer

The reorganization of profit centers ensures transfer postings for selected balance sheet items per profit center. Profit and loss amounts are not transferred for historical periods.

Related Information

[Organizational Changes in Accounting](#)
[Organizational Change Report - Master Data Lists](#)
[App Extensibility: Organizational Change Report - Master Data Lists](#)
[CDS Views for Organizational Changes](#)

4.2.4 General Ledger Accounting

4.2.4.1 Changes in Balance Validation

Balance validation can be used to verify data completeness, correctness, and compliance based on user-defined rules during period-end close of a business entity. In this release, the following balance validation apps are enhanced to improve functionality and usability:

- [Manage Balance Validation Rules and Groups](#)
- [View Balance Validation Results](#)

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close), O58 (Accounting and Financial Close)
Application Component	FI-FIO-VE (Validation Engine Framework)

Additional Details

In [Manage Balance Validation Rules and Groups](#), six group-by fields are now available instead of three. The group-by fields are applied sequentially in the validation result.

In [View Balance Validation Results](#), the following enhancements are made:

- Detailed result page of compound rules is redesigned:
 - Rule formula is moved to header area next to the rule-level result.
 - Color codes are applied to indicate different results of the basic rules that form the compound rule.
- When you export the result detail table of a rule, any comments added to the result are now included in the exported spreadsheet.

Related Information

[Balance Validation](#)

[Manage Balance Validation Rules and Groups](#)

[View Balance Validation Results](#)

4.2.4.2 Manage Manual Accruals

The [Manage Manual Accruals](#) app now allows you to import accrual objects from a template-based spreadsheet file.

The following templates are available:

- [Accrual Objects with the Total Amount \(Create or Update\)](#) – You can use this template to create or update accrual objects with total accrual amounts.
- [Accrual Objects with Periodic Amounts \(Create or Update\)](#) – You can use this template to create or update accrual objects with periodic accrual amounts.
- [Periodic Amounts Only \(Update\)](#) – You can use this template to update the existing periodic accrual objects.

Technical Details

Type

Changed

Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close)
Application Component	FI-GL-GL-AAC (Manual Accruals)
Valid as Of	SAP S/4HANA 2023 FPS1

Related Information

[Manage Manual Accruals](#)

4.2.4.3 App Extensibility: Manage Journal Entries - New Version (Key User)

As a key user, you can now extend the [Manage Journal Entries \(New Version\)](#) app according to your business needs.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close)
Application Component	FI-FIO-GL-TRA (Transaction Apps)
Valid as Of	SAP S/4HANA 2023 SPS01

Related Information

[Manage Journal Entries \(New Version\)](#)
[App Extensibility: Manage Journal Entries \(New Version\) \(Key User\)](#)

4.2.5 Asset Accounting

4.2.5.1 Asset Explorer: Display FI Document for Posted Depreciation

In the Asset Explorer, you can now navigate from the [Posted Values](#) tab page to the FI document with the posted depreciation.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J62
Application Component	FI-AA (Asset Accounting)
Valid as Of	SAP S4/4HANA 2023

Additional Information

For more information about the Asset Explorer, see the application help (product assistance) for Asset Accounting under [Asset Explorer](#).

4.2.6 Revenue Accounting and Reporting

4.2.6.1 Fulfillment by External Percentage of Completion

You can fulfill relevant performance obligations (POBs) by the percentage of completion (PoC). In the past, this kind of fulfillment was enabled as manual fulfillment only. Now, a new event type is available for the fulfillment of PoC-based POBs: **Event Type** = PX ([Fulfillment by External PoC](#)). To fulfill POBs with this event type, the sender component must calculate the PoC progress and send a fulfillment revenue accounting item (RAI) with fulfillment information to Revenue Accounting and Reporting (RAR).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5VW (Revenue Accounting)
Application Component	FI-RA (Revenue Accounting)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Event-Based Fulfillment](#)
[Fulfillment by Percentage of Completion](#)

4.2.6.2 Fulfillment by Customer-Specific Event Type

You can fulfill performance obligations (POBs) with a customer-defined fulfillment event type if the event types provided by SAP standard are not sufficient for your business scenarios and you would like to enhance them. Depending on the sender component, you need to trigger the creation of a fulfillment revenue accounting item (RAI) by a certain event and provide the corresponding fulfillment event type in the fulfillment RAI.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5VW (Revenue Accounting)
Application Component	FI-RA (Revenue Accounting)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Event-Based Fulfillment](#)

4.2.6.3 Business Add-In (BAdI) for the Determination of the Cost Correction Account

To enable you to use your own logic to determine the cost correction account, a new Business Add-In (BAdI) *BAdI: Cost Correction Account Derivation* (FARR_BADI_COST_CORR_ACCT_DERIV) is now available.

This BAdI allows flexible account determination when the standard account determination does not suit your requirements.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5VW (Revenue Accounting)
Application Component	FI-RA (<i>Revenue Accounting</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Customizing

You can find this new BAdI in Customizing for Revenue Accounting under ► *Revenue Accounting* ► *Revenue Accounting Postings* ► *Business Add-Ins* ► *BAdI: Cost Correction Account Derivation* ►.

4.2.6.4 Enhancement for Business Add-In (BAdI) "Determine the Price Allocation"

The Business Add-In (BAdI) *BAdI: Determine the Price Allocation* (FARR_BADI_PRICE_ALLOCATION) has been enhanced with the following fields:

- *Quantity*
- *Quantity Unit*

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5VW (Revenue Accounting)
Application Component	FI-RA (Revenue Accounting)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Customizing

You can find this BAdI in Customizing for Revenue Accounting under ► [Revenue Accounting](#) ► [Revenue Accounting Contracts](#) ► [Business Add-Ins](#) ► [BAdI: Determine the Price Allocation](#) ►.

4.2.7 Event-Based Revenue Recognition

4.2.7.1 New App: Event-Based Revenue Recognition - Sales Orders (Version 2)

The **Event-Based Revenue Recognition - Sales Orders (Version 2)** app recognizes the costs and revenues associated with sales orders immediately as transactions occur. Hence, it covers the functionalities of the deprecated [Event-Based Revenue Recognition - Sales Orders](#) app but provides higher performance. The deprecated app may no longer be available by default on the SAP Fiori launchpad. In this case, you can find it in the app finder until it is deleted. We recommend that you switch to the **Event-Based Revenue Recognition - Sales Orders (Version 2)** successor app as soon as possible.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1K2 (Event-Based Revenue Recognition - Sell from Stock) 33M (Event-Based Revenue Recognition - Sell from Stock - IFRS)

Application Component	CO-PC-OBJ-EBR (Event-Based Revenue Recognition)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Event-Based Revenue Recognition - Sales Orders \(Version 2\)](#)

4.2.7.2 Depreciated App: Event-Based Revenue Recognition - Sales Orders

As of SAP S/4HANA 2023 FPS01, the [Event-Based Revenue Recognition – Sales Orders](#) app has been deprecated. It will be deleted from the SAP Fiori launchpad in an upcoming release. Please use the successor app [Event-Based Revenue Recognition – Sales Orders \(Version 2\)](#) instead.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	1K2 (Event-Based Revenue Recognition - Sell from Stock) 33M (Event-Based Revenue Recognition - Sell from Stock - IFRS)
Application Component	CO-PC-OBJ-EBR (Event-Based Revenue Recognition)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Event-Based Revenue Recognition - Sales Orders \(Version 2\)](#)

4.2.7.3 Creating Multiple Billable Maintenance Orders for an Execution Order Item: Integration with Event-Based Revenue Recognition

With this release, you can create multiple billable maintenance orders for an execution order item. Event-Based Revenue Recognition is also supported for this scenario.

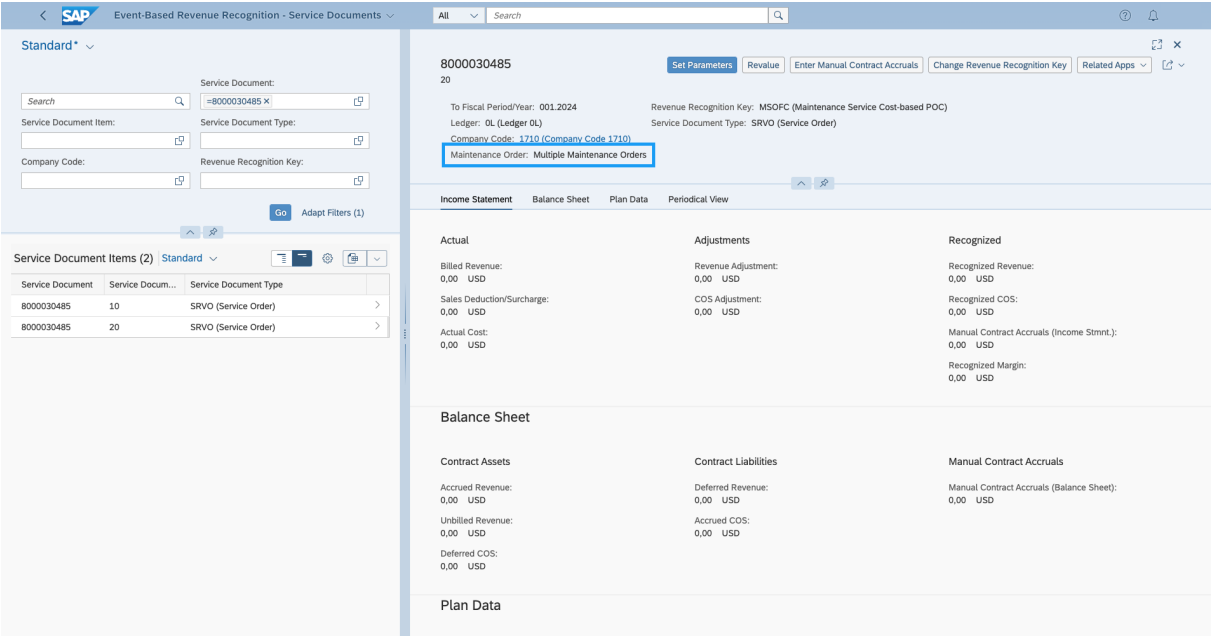
Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	6AK (Event-Based Revenue Recognition – Service with Adv. Execution) 6AL (Event-Based Revenue Recognition – Service with Adv. Execution – IFRS)
Application Component	CO-PC-OBJ-EBR (Event-Based Revenue Recognition) CRM-S4-SRV-MNO (Service with Advanced Execution)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

For more information about the scenario, see [Creating Multiple Billable Maintenance Orders for an Execution Order Item \(Distributed Execution\)](#) [page 29].

Additionally, the [Event-Based Revenue Recognition - Service Documents](#) app has been enhanced with a [Maintenance Order](#) field that display an entry for [Multiple Maintenance Orders](#). The following screenshot shows you this field.



Related Information

[Creating Multiple Billable Maintenance Orders for an Execution Order Item \(Distributed Execution\) \[page 29\]](#)
[Event-Based Revenue Recognition for Service with Advanced Execution](#)

4.2.7.4 **Billing via Billing Plan After Release Supported with Event-Based Revenue Recognition**

With this release, you can select *Billing via Billing Plan After Release* as the billing relevance to carry out ad hoc billing for execution order items with Event-Based Revenue Recognition. The billing relevance that is set in the execution order item determines the billing process and is relevant for the determination of the revenue recognition key.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	6AK (Event-Based Revenue Recognition – Service with Adv. Execution)
	6AL (Event-Based Revenue Recognition – Service with Adv. Execution – IFRS)
Application Component	CO-PC-OBJ-EBR (Event-Based Revenue Recognition)
	CRM-S4-SRV-MNO (Service with Advanced Execution)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

If you select [Billing via Billing Plan After Release](#) as the billing relevance, ad hoc billing is carried out. Ad hoc billing is a structured method of billing that doesn't conform to periodic or milestone billing plan rules, but instead enables you to define billing values and dates freely. To learn more, see [Ad Hoc Billing](#). You can use an ad hoc billing plan to define the dates on which billing is to occur and the value that is to be billed. For each billing date, the system generates one billing request. Based on the billing document request, you can post an invoice that then triggers Event-Based Revenue Recognition.

Effects on Customizing

You can now select [Billing via Billing Plan After Release](#) as the billing relevance under ► [SAP Customizing Implementation Guide](#) ► [Controlling](#) ► [Product Cost Controlling](#) ► [Cost Object Controlling](#) ► [Product Cost by Sales Order](#) ► [Period-End Closing](#) ► [Event-Based Revenue Recognition](#) ► [Derivation of Recognition Key for Maintenance Orders](#) ►.

Related Information

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

4.2.7.5 Plan Data Tab in Event-Based Revenue Recognition - Service Documents App

With this release, a new [Plan Data](#) tab has been added to the [Event-Based Revenue Recognition – Service Documents](#) app. It shows you the values for [Planned Revenue](#) and [Planned COS](#).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	<p>3M3 (Event-Based Revenue Recognition - Service Documents)</p> <p>3M4 (Event-Based Revenue Recognition - Service Documents - IFRS)</p> <p>6AK (Event-Based Revenue Recognition – Service with Adv. Execution)</p> <p>6AL (Event-Based Revenue Recognition – Service with Adv. Execution – IFRS)</p>
Application Component	CO-PC-OBJ-EBR (Event-Based Revenue Recognition)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following screenshot (only available in English) shows you the [Plan Data](#) tab in the [Event-Based Revenue Recognition - Service Documents](#) app.

The screenshot shows the SAP S/4HANA 2023 FPS01 interface for the 'Event-Based Revenue Recognition - Service Documents' app. The search bar at the top contains the value '8000030485'. Below the search bar, there are tabs for 'Income Statement', 'Balance Sheet', 'Plan Data', and 'Periodical View'. The 'Plan Data' tab is selected and highlighted with a blue box. The 'Plan Data' section displays financial data for '8000030485' and '20'. It includes a table for 'Service Document Items' with columns 'Service Document', 'Service Document Item', and 'Service Document Type'. The table shows two items: '8000030485' with item '10' and type 'SRVO (Service Order)', and '8000030485' with item '20' and type 'SRVO (Service Order)'. The 'Plan Data' section also displays a table for 'Planned Revenue' and 'Planned COS'.

Related Information

[Event-Based Revenue Recognition for Service Contracts](#)
[Event-Based Revenue Recognition for Service Orders](#)
[Event-Based Revenue Recognition for Service with Advanced Execution](#)
[Event-Based Revenue Recognition – Service Documents](#)
[Service Planning: Managing Planned Cost and Revenue](#)

4.2.8 Joint Venture Accounting

4.2.8.1 Authorization Change for Navigation in "Display Joint Operating Agreements" and "Display Joint Ventures"

The buttons [Create](#) and [Change](#) in the apps [Display Joint Operating Agreements](#) and [Display Joint Ventures](#) are only displayed if you have the respective authorization. You need to have write (activity 1) and change (activity 2) authorization J_JVA_JOA and J_JVA_VNT, again respectively. The two buttons are useful for navigating to the corresponding sections directly when you want to create or change either joint operating agreements or joint ventures.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	3F7 (Joint Venture Accounting)
Application Component	CA-JVA (Joint Venture Accounting)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Joint Operating Agreement Master Data Fiori Element Object Page](#)
[Joint Venture Master Data Fiori Element Object Page \(Display Joint Ventures\)](#)

4.2.8.2 Chart of Accounts - Extension of Cutback Account Mapping

This feature enables you to maintain the account mapping rules on chart of account level in addition to the existing cutback account mapping functionalities (intra- and intercompany). This means that all company codes that share the same chart of account can utilize the same mapping rule. The mapping rule maintained on chart of account level is applied for all relevant instances during cutback processes.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	3F7 (Joint Venture Accounting)
Application Component	CA-JVA (Joint Venture Accounting)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Intracompany Mapping Chart of Accounts](#)
[Mapping Chart of Accounts](#)

4.2.9 Intercompany Matching and Reconciliation

4.2.9.1 Enhancements for Matching Job Scheduling Apps

The following two apps are now available for scheduling matching jobs:

- Schedule Matching Run Jobs - By Company
- Schedule Matching Run Jobs - By Consolidation Unit

Compared with the [Schedule Matching Run Jobs](#) app, the two new apps come with improved usability, replacing user-composed SQL filter string with individual filter fields.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	40Y (Intercompany Reconciliation Process), 1SG (Group Reporting - Financial Consolidation)
Application Component	FIN-CS-ICR (S/4HANA Intercompany Matching and Reconciliation)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

When scheduling matching run jobs, users can specify a safety interval if they expect a time lag between source journal entry posting and actual update in database. This is to reduce the missing data issue in the ICMR database (ICADOCM).

Additionally, the two matching run jobs, along with [Reconciliation Status Overview](#) and [Reconciliation Balances](#), are made available as closing tasks in SAP Advanced Financial Closing.

Effects on System Administration

To enable users to access the matching job scheduling apps, their business users need to have the business catalog SAP_FIN_BC_ICA_ME_RUN ([ICA - Intercompany Matching Operation](#)) assigned.

Note

The classic app [Schedule Matching Run Jobs](#) is renamed to [Schedule Matching Run Jobs - General](#) for a clearer distinction. The app is available in app finder.

Related Information

[Schedule Matching Run Jobs - By Company](#)
[Schedule Matching Run Jobs - By Consolidation Unit](#)
[Schedule Matching Run Jobs - General](#)

4.2.10 Group Reporting

4.2.10.1 OData APIs for Group Reporting

There is a new OData V4 API for group reporting. The [Consolidation Unit Data Collection Selection](#) API is provided on the SAP Business Accelerator Hub.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	2U6 (Group Reporting - Data from External Systems)
Application Component	FIN-CS-MD (Master Data)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Consolidation Unit Data Collection Selection](#)

4.2.10.2 New App "Group Financial Statements - Review Booklet"

The new app [Group Financial Statements - Review Booklet](#) is available. This app presents an aggregated view of financial statements by combining predefined business pages grouped under the main areas of [Consolidated Balance Sheet](#), [Profit & Loss Statement](#), [Cash Flow Statement](#), and [Statement of Changes in Equity](#). This collection of pages forms a review booklet, which can be used to carry out a financial review.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	1SG Group Reporting - Financial Consolidation
Application Component	FIN-CS (S4HANA Financial Consolidation)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

When you use the [Group Financial Statements – Review Booklet](#) app for the first time, there's an initial setup to ensure that you can start using the app. Please refer to [Initial Setup of the Review Booklet](#) to guide you through the setup.

Effects on System Administration

Please follow the steps described in [3205494](#)  (*Configuration steps for InA based Fiori UIs in Distributed S/4HANA Environments with a Remote Gateway Server*).

This app utilizes views to save certain layouts of the review booklet. The system administrator can create, adapt, and manage views for other users in your organization. For more information on managing views as an administrator, see [Creating and Adapting Views](#).

Related Information

[Group Financial Statements - Review Booklet Review Booklets](#)

4.2.11 Central Finance

4.2.11.1 Transfer of Period-Based Financial Plan Data

Using this scenario allows you to do the reporting for period-based financial plan data in the Central Finance (SAP S/4HANA) system for data originating from one or several (SAP ERP) source systems. In addition, you can also do your [Plan versus Actual](#) reporting in the Central Finance system.

Technical Details




Type	New
Functional Localization	Not localized
Scope Item	Not applicable
Application Component	FI-CF-PD (Central Finance - Replication of Plan Data)
Valid as Of	SAP S/4HANA 2023 FPS1, SAP S/4HANA 2023


Additional Details


With this scenario you can transfer period-based financial plan data from one (SAP ERP) source system at a time to the Central Finance system. You can transfer plan data for cost centers, orders, or Work Breakdown Structure (WBS) elements. You start the plan data transfer from the Central Finance system per cost object type. For this, you can use one of the following programs:

- Transfer of Plan Data for Cost Centers
- Transfer of Plan Data for Orders
- Transfer of Plan Data for WBS Elements

Effects on Existing Data


- A new deployment scenario for [SAP Application Interface Framework \(SAP AIF\)](#) for the transfer of plan data is delivered. You need to extract the content for this deployment scenario. How you do that is described in [Setting up the Transfer of Plan Data](#).
- A new interface is delivered which you can use for monitoring and error handling in SAP AIF. For more information, see [Setting up the Transfer of Plan Data](#).
- You must apply the following SAP Notes:
 - Your Central Finance system runs on SAP S/4HANA 2023 FPS1:
SAP Note [3379286](#) : This SAP Note activates the transfer of plan data in the source system.
 - Your Central Finance system runs on SAP S/4HANA 2023:
 - SAP Note [3379286](#) : This SAP Note activates the transfer of plan data in the source system.
 - SAP Note [3392740](#) : This SAP Note activates the transfer of plan data in the Central Finance system..

The SAP Note [3403561](#)  provides SAP customers with an overview of all SAP Notes that are required to use the transfer of plan data in a Central Finance scenario.

- The SAP Menu has been enhanced with the entries listed below. You can find these entries in the SAP Menu under ► [Accounting](#) ► [Central Finance](#) ► [Transfer Of Plan Data](#) .
- Transfer of Plan Data for Cost Centers

- Transfer of Plan Data for Orders
- Transfer of Plan Data for Work Breakdown Structure (WBS) Elements
- Please read the section **Consider the Following Before Starting the Transfer of Plan Data** in [Transfer of Plan Data](#) carefully so that **no** unwanted effects on existing plan data occur.

Effects on Data Transfer

You can now transfer period-based financial plan data stored in the tables COSP (for primary cost elements), COSS (for secondary cost elements) in an SAP ERP source system to the ACDOCP table where plan data is stored in the Central Finance system. For more information on restrictions, see SAP Note [3408299](#) .

Effects on System Administration

The system administration needs to grant access so that the programs listed above can be used by users who should perform the plan data transfer. For more information, see section [Authorizations](#) in [Setting up the Transfer of Plan Data](#).

Effects on Customizing

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

Related Information

[Transfer of Plan Data](#)

4.2.11.2 Exclude G/L Open Items from Clearing

Using Central Management of Open Items in General Ledger, when a document is posted or reset in the source system, the relevant open items posted to the G/L accounts are technically cleared automatically in the source system. The corresponding open items replicated to the Central Finance system are still open and you can only manage them in the Central Finance system. This feature enables you to exclude G/L open items which you still want to manage in the source system from clearing transactions in the Central Finance system.

Technical Details

Type	New
Functional Localization	Not localized
Scope Item	Not applicable
Application Component	FI-CF (<i>Central Finance</i>)
Valid as Of	SAP S/4HANA 2023 FPS1

Additional Details

Using this feature you can excude G/L open items which you still want to manage in the source system from clearing transactions in the Central Finance system.

In the Customizing activity **Maintain G/L accounts for Central Clearing**, you maintain G/L accounts for which you want to enable the clearing of replicated open items posted in the Central Finance system. For the G/L accounts that are **not** maintained in this activity, the items posted to these G/L accounts will remain open in the source system and will only be cleared in the source system, and the replicated G/L line items will be filtered out in the manual and automatic clearing transactions in the Central Finance system.

Effects on Customizing

A new Customizing activity has been added: **Maintain G/L accounts for Central Clearing** (transaction CFINIMG) under [Central Finance: Target System Settings](#) > [Central Management of Open Items in General Ledger](#) > [Maintain G/L accounts for Central Clearing](#).

Related Information

[Central Management of Open Items in General Ledger](#)

4.2.11.3 Central Finance Document Browser

The Central Finance Document Browser provides you with an overview of how documents are related to each other in the source and Central Finance systems.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CF (Central Finance)
Valid as Of	SAP S/4HANA 2023 FPS1

Additional Details

The Central Finance Document Browser provides you with an overview of how documents are related to each other in the source and Central Finance systems and allows you to display the preceding and succeeding documents which have clearing, invoice references, or reverse relationships with the specified document.

Based on the document flow, you can also:

- Display and compare the line item details for any document in the document flow.
- Jump to the original document in the source system or the Central Finance system.
- Display the context information (system information and Central Finance relevant configuration) related to the documents.

The Central Finance Document Browser is also integrated with configuration consistency check report and AIF tool, so that you can find out if there are any configuration inconsistencies and navigate to AIF checking the replication error details if necessary.

Related Information

[Central Finance Document Browser](#)

4.2.11.4 Central Asset Accounting: Reposting Tool

The CAA reposting tool has been enhanced in the following way: A new maintenance view, which is used to configure G/L accounts that need to be reposted, has been added and the replicated line items posted to the maintained G/L accounts are then corrected by the CAA reposting tool.

Technical Details

Type	Changed
Functional Localization	Not localized
Scope Item	Not applicable
Application Component	FI-CF-CAA (<i>Central Finance - Central Asset Accounting</i>)
Valid as Of	SAP S/4HANA 2023 FPS1

Additional Details

The reposting tool for Central Asset Accounting reposts the replicated asset postings which are duplicated with asset migration postings.

A new maintenance view, which is used to configure General Ledger (G/L) accounts for which reposting should be carried out has been added. The replicated line items on these accounts are extracted and then reposted with the offset amount in a new document.

Therefore, it is no longer necessary to manually repost the replicated line items during the initial load balance phase.

Effects on Customizing

The following Customizing activity has been added:

- Define G/L Account for Reposting Replicated Asset-Related Transactions
Customizing for Central Finance (transaction `CFINIMG`) under ► [Central Finance: Target System Settings](#) ► [Central Asset Accounting](#) ► [Repost Replicated Asset-Related Transactions](#) ► [Define G/L Account for Reposting Replicated Asset-Related Transactions](#) ►.

Related Information

[Configuration and Execution of Reposting Tool](#)

4.2.11.5 Navigation from Manage Journal Entries to Related Documents

In the Fiori app **Manage Journal Entries** you can navigate to certain related documents in the source system. This now includes the FI-CA (Contract Accounting) reconciliation key.

Technical Details

Type	Changed
Functional Localization	Not localized
Scope Item	Not applicable
Application Component	FI-CF (<i>Central Finance</i>)
Valid as Of	SAP S/4HANA 2023 FPS1

Additional Details

In the Fiori app **Manage Journal Entries** a new object has been added under **Related Documents** allowing you to navigate to the FI-CA (Contract Accounting) reconciliation key in the source system.

For a journal entry replicated from a source system, an entry for the accounting document under **Contract A/R + A/P** indicates that you can navigate to the FI-CA reconciliation key in the source system by clicking on the number displayed.

Two connection options are provided for the FI-CA Reconciliation Key:

- Navigate to source Fiori via a URL
- Navigate to source WEB GUI (this connection is available only for ECC source systems).

Related Information

[Navigation from Related Documents in Central Finance to Source Documents](#)

4.2.11.6 Retrigger Report for SLT Replication

This feature provides a tool to trigger SLT replication again if a replication object has not been successfully copied during transfer between the source system and the Central Finance system.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CF (Central Finance)
Valid as Of	SAP S/4HANA 2023 FPS1

Additional Details






You can use this tool to retrigger SLT replication if a replication object has not been successfully copied from the source system to the Central Finance system.

The delivered replication objects are:

- Accounting document
- AVL of supplier invoice
- AVL of sales order
- AVL of customer invoice
- AVL of purchase order
- Controlling document
- Cost object

Effects on Customizing

Central Finance System

Add the RFC usage `SLT_Logging` with RFC destination under the IMG path  [Central Finance: Target System Settings](#)  [Target System Settings](#)  [Set Up Systems](#)  [Maintain RFC Assignments and Settings for Source Systems](#) .

Source System

Check that the RFC user has been assigned to the role `SAP_IUUC_REPL_ADMIN`.

Related Information

[Retrigger SLT Replication](#)


4.2.11.7 Fiori App Manage Temporary Postings: Extensibility

In the Fiori app **Manage Temporary Postings** you can now add editable fields to line items via extensibility.

Technical Details

Type	New
Functional Localization	Not localized
Scope Item	Not applicable
Application Component	FI-CF (<i>Central Finance</i>)
Valid as Of	SAP S/4HANA 2023 FPS1

Additional Details

In the Fiori app **Manage Temporary Postings** only some fields are editable in order to ensure compliance (for example, fields relating to amounts, posting dates, and company code are read-only). You can however make changes to the fields customer, vendor and cost center. If you want to include more editable fields in the line items, you can do this via extensibility. For details on how to enable this, see SAP Note [3400784](#) .

Related Information

[Manage Temporary Postings](#)

4.2.11.8 Replication of Universal Allocations

As of SAP S/4HANA 2023 it is possible to transfer postings from Universal Allocation to your Central Finance system.

Although Universal Allocation is a CO process, within the Central Finance scenario universal allocation postings are transferred via the FI interface.

Technical Details

Type	New
Functional Localization	Not localized
Scope Item	Not applicable
Application Component	FI-CF (Central Finance)
Valid as Of	SAP S/4HANA 2023 FPS1

Additional Details

Postings can now be replicated from Universal Allocation to your Central Finance system.

Universal allocation is a group of apps that allows you to allocate plan or actual values from sender objects to receiver objects.

Although universal allocation is a CO process, within the Central Finance scenario, universal allocation postings are transferred via the FI interface.

Universal allocation postings can be replicated in online replication and also in the initial load (both the classic approach and the Intermediate Data Replication approach).

Related Information

[Universal Allocations](#)

4.2.11.9 Statutory Reporting: Country/Region-Specific Reports

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

Technical Details

Type	New
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Functional Localization	Localized for the countries/regions listed below
Scope Item	Not applicable
Application Component	FI-CF (Central Finance)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

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

For a complete list of statutory reports supported in Central Finance for a country/region, see [Statutory Reporting: Country/Region-Specific Reports in Central Finance](#).

Country/Region-Specific Statutory Reports Additionally Enabled in Central Finance

Country/Region	Task	Report Category	Additional Information
Greece	G/L Detailed Ledger	GR_GL_LINE_ITEMS	n/a
Romania	Standard Audit File - Taxation (SAF-T) Fixed Assets	RO_SAF_T_FXDAST	This report can be used only with Central Asset Accounting. For more information, see Central Asset Accounting .
United Kingdom	Audit Files (HMRC)	GB_HMRC	n/a
United Kingdom	Payment Practices and Performance	GB_PPFR	n/a

4.2.12 Real Estate Management

4.2.12.1 Contract and Lease Management

4.2.12.1.1 Changes in Customizing for Flexible Real Estate Management (RE-FX)

With this release, new Customizing activities for making settings related to master data in Contract and Lease Management have been added to Customizing for Flexible Real Estate Management (RE-FX).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	RE-FX-BD (<i>Basic Data</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Customizing

The Customizing nodes *Generic Rental Objects* and *Architecture Objects* were added to the Customizing for *Flexible Real Estate Management (RE-FX)* under *Master Data*. Please refer to below table for an overview of the newly added Customizing activities:

Configuration for ...	Name of Customizing Activity	What you can do
Generic rental objects	Define Number Ranges for Generic Rental Objects	You can define the number ranges you use for generic rental objects.
Generic rental objects	Define Usage Types for Generic Rental Objects	You can define usage types for your generic rental objects.
Generic rental objects	Define Portfolio IDs for Usable Objects	You can define portfolio IDs for usable objects.
Generic rental objects	Define Ownership IDs for Usable Objects	You can define ownership IDs for usable objects.
Architecture objects	Define Architecture Object Number Range	You can define the number ranges you use for architecture objects.
Architecture objects	Define Real Estate Architecture Object Type	You can define types for your real estate architecture objects.
Architecture objects	Define Allowed Superordinate Architecture Object Type	You can specify which superordinate objects are allowed for each architecture object type. This allows you to define the hierarchy of your architectural structure.
Architecture objects	Define Real Estate Architecture Object Status	You can define statuses for your real estate architecture objects. You also specify whether each object status is active or not in the system.

Related Information

[Configuration Activities](#)

4.2.12.1.2 New App: Manage Usable Objects

With the new [Manage Usable Objects](#) app, you can create and edit the master data of usable objects in your real estate management solution. Usable objects can then be used as objects in lease-in contracts.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	RE-FX-BD (Basic Data)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on System Administration

To enable users to access this app, their business users need to have the following business catalog assigned:

[Rental Object Management - Master Data](#) (SAP_FIN_BC_RECM_RENTALOBJ_PC)

Effects on Customizing

For more information about the Customizing settings for the new app, see the What's New information [Changes in Customizing for Flexible Real Estate Management \(RE-FX\) \[page 84\]](#).

Related Information

[Changes in Customizing for Flexible Real Estate Management \(RE-FX\) \[page 84\]](#)
[Manage Usable Objects](#)

4.2.12.1.3 New App: Manage Rentable Objects

With the new [Manage Rentable Objects](#) app, you can create and edit the master data of rentable objects. Rentable objects can then be used as objects in lease-out contracts.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	RE-FX-BD (Basic Data)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on System Administration

To enable users to access this app, their business users need to have the following business catalog assigned:
[Rental Object Management - Master Data](#) (SAP_FIN_BC_RECM_RENTALOBJ_PC)

Effects on Customizing

For more information about the Customizing settings for the new app, see the What's New information [Changes in Customizing for Flexible Real Estate Management \(RE-FX\) \[page 84\]](#).

Related Information

[Manage Rentable Objects](#)

[Changes in Customizing for Flexible Real Estate Management \(RE-FX\) \[page 84\]](#)

4.3 Financial Operations

4.3.1 Receivables Management

4.3.1.1 Bank Statement Processing

4.3.1.1.1 Configuration for Bank Statement Processing and Lockbox Processing

With this release, there's a new configuration activity for SAP Cash Application available: [Cash Application Service Configuration](#). In your configuration environment, under [Integration with Other SAP Components](#) [Machine Learning Integration](#) [SAP Cash Application](#) [Cash Application Service Configuration](#), you can specify thresholds for the proposal of open items and for the automated posting and clearing for the services of SAP Cash Application.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J59 (Accounts Receivable) 1JT (Lockbox) 1MV (Cash Application Integration)
Application Component	FI-FIO-AR (Fiori UI for Accounts Receivable)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Reprocess Bank Statement Items](#)

[Reprocess Lockbox Items](#)

[SAP Cash Application](#)

4.3.1.1.2 Deprecation: Displaying Sums

The functionality to view sums in the overview table in the [Reprocess Bank Statement Items](#) and [Reprocess Lockbox Items](#) apps has been deprecated and will be deleted in the upcoming SAP S/4HANA 2025 release.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	J59 (Accounts Receivable) 1JT (Lockbox)
Application Component	FI-FIO-AR (Fiori UI for Accounts Receivable)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Until now, you could view the sum of the items' amounts in the overview table in the [Reprocess Bank Statement Items](#) and [Reprocess Lockbox Items](#) apps.

To enhance the overall performance of the apps, this functionality has been deprecated and will be deleted in the upcoming SAP S/4HANA 2025 release.

Related Information

[Reprocess Bank Statement Items](#)
[Reprocess Lockbox Items](#)

4.3.2 Settlement Management

4.3.2.1 CDS Views for Settlement Management

A CDS view has been added in Settlement Management.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-GT-CHB (Condition Contract Maintenance)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following CDS view has been released:

Name	Description	Status	Application Component
I_CndnDocWorkerSettlmtCat (Condition Document Worker Settlement Category)	This CDS view provides supported values for CndnDocWorkerSettlmtCat.	New	LO-GT-CHB
I_CndnDocWorkerSettlmtCatTxt (Condition Document Worker Settlement Category - Text)	For more information, see Condition Document Worker Settlement Category .		

Related Information

[CDS Views for Settlement Management](#)

4.3.2.2 Manage Personnel Settlement Documents

With this app, you can process personnel settlement documents that were created in Settlement Management based on workforce condition contracts or based on commissions data transferred from SAP Sales Cloud.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	3TD (Internal Commissions Settlement for Sales)
Application Component	LO-AB (Settlement Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Manage Personnel Settlement Documents](#)

4.4 Billing and Revenue Innovation Management

4.4.1 Convergent Invoicing

4.4.1.1 Credit/Debit: Support for Gross and Net Amounts

With this feature, you can enter either a gross amount or a net amount when adding an overall credit or debit amount in a credit memo or debit memo. Resulting billable items can therefore be created with a gross amount or net amount.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-INV (Convergent Invoicing)
Valid as Of	SAP S/4HANA 2023 SPS01

Additional Details

This feature is available in the following situations:

- Transaction *Process Billing Request* (FKKBIX_BILLREQ)
- *Manage Credit/Debit Memos* app

Related Information

[Processing of Billing Requests](#)
[Manage Credit/Debit Memos](#)


4.4.1.2 OData API: Convergent Invoicing Consumption Item - Read

With this feature, you can use the OData API Convergent Invoicing Consumption Item - Read to read consumption items in Convergent Invoicing.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-INV (<i>Convergent Invoicing</i>)
Valid as Of	SAP S/4HANA 2023 SPS01

Additional Details

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

Effects on Data Transfer

For information about APIs, see [APIs on SAP Business Accelerator Hub](#).

Related Information

[Convergent Invoicing – Consumption Item Read](#)

4.4.1.3 OData API: Convergent Invoicing Billable Item - Read

With this feature, you can use the OData API Convergent Invoicing Billable Item - Read to read billable items in Convergent Invoicing.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-INV (Convergent Invoicing)
Valid as Of	SAP S/4HANA 2023 SPS01

Additional Details

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

Effects on Data Transfer

For information about APIs, see [APIs on SAP Business Accelerator Hub](#).

Related Information

[Convergent Invoicing Billable Item - Read](#)

4.4.2 Contract Accounting

4.4.2.1 Display Payment Forms for Payments by Link

When you offer customers payments by link, the system maps the receivables to be paid by link as a payment form. The [Display Payment Forms for Payments By Link](#) app gives you an overview of the payment forms for payments by link that the system has created as well as their status and the payment status and detailed item information of the receivables grouped in the payment form.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-IN (Integration)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Display Payment Forms for Payments By Link](#)

4.4.3 Subscription Order Management

4.4.3.1 SAP Fiori App Renamed: [Mass Changes of Subscription Contracts](#)

The [Mass Changes of Subscription Contracts](#) app has been enhanced so that you can now execute mass processing runs on subscription contract documents in addition to subscription contracts. Due to this, the SAP Fiori app has been renamed to [Mass Changes of Subscriptions](#).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM (S4CRM: Subscription Order Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The header change process, [Change Sold-To Party](#) has been enabled for mass processing on subscription contract documents. You can also change the related organizational data when executing the [Change Sold-To Party](#) change process.

This app is available in the SAP Fiori Apps Reference Library: [Mass Changes of Subscriptions](#).

Effects on Customizing

You can perform all the relevant activities for mass processing in Customizing under ► [Service](#) ► [Transactions](#) ► [Settings for Subscription Transactions](#) ► [Mass Processing](#) ►.

Note

It is not possible to include a subscription contract or contract document in a mass processing run or update it via a manual change process, if it is already included in a mass processing run and has the status [In Process](#), [Scheduled for Processing](#), or [Processed with Errors](#). In such a case, you can use the BAdI CRMS4_SOM_MP_CP_CHECK in the Customizing under ► [Service](#) ► [Transactions](#) ► [Settings for Subscription Transactions](#) ► [Mass Processing](#) ► [BAdI: Additional Checks for Change Processes](#) ► to ensure that change processes are hidden in the [Processes](#) section as well.

Related Information

[Mass Changes of Subscriptions](#)

4.4.3.2 Future Dated Subitems

You can now create subscription contracts that leverage product bundles with subitems that are available at a later date even though the main item is available immediately. You do so by using the [Start of Business](#) and [Start of Billing](#) dates for the subitems.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM (S4CRM: Subscription Order Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Subitems with Start of Business in the Future Date Management](#)

4.4.3.3 Multi-Level Configuration of Product Bundles Using Advanced Variant Configuration

This feature has been enhanced so that you can now define and configure product bundles containing sales, service, or subscription items as subitems. Previously, only product bundles containing subscription items were supported. Additionally, the following APIs have been enhanced to enable you to configure either the main item only or the entire Bill of Materials (BOM) hierarchy:

- [Subscription Contract \(Read\)](#) OData API
- [Solution Quotation \(A2X\)](#) OData API
- [Subscription Order \(Version 0002\)](#) OData API








Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM (S4CRM: Subscription Order Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following APIs have been enhanced:

Property	Description	Necessity
Solution Quotation (A2X) > Subscription Related Item >		
SrvcDocItmProdConfigDateTime	Configuration date to control the Bill of Material (BOM) explosion in a multi-level AVC scenario	Optional
	<div> <div> <i>Note</i> </div> <div> This field is relevant and mandatory only for the main item within the BOM hierarchy. </div> </div>	
BillOfMaterialItemNodeNumber	Item ID within the Bill of Material hierarchy	Optional
	<div> <div> <i>Note</i> </div> <div> This field is relevant and mandatory only for the subitems within the BOM hierarchy. </div> </div>	
Subscription Order (Version 0002) > Subscription Order Item >		

Property	Description	Necessity
SrvcDocItmProdConfgnDateTime	Configuration date to control the Bill of Material (BOM) explosion in a multi-level AVC scenario	
	<div>  Note This field is relevant and mandatory only for the main item within the BOM hierarchy. </div>	
BillOfMaterialItemNodeNumber	Item ID within the Bill of Material hierarchy	
	<div>  Note This field is relevant and mandatory only for the subitems within the BOM hierarchy. </div>	
<div>  Subscription Contract - Read  Subscription Contract Item  </div>		
SrvcDocItmProdConfgnDateTime	Configuration date to control the Bill of Material (BOM) explosion in a multi-level AVC scenario	Read-only
	<div>  Note This field is relevant and mandatory only for the main item within the BOM hierarchy. </div>	
BillOfMaterialItemNodeNumber	Item ID within the Bill of Material hierarchy	Read-only
	<div>  Note This field is relevant and mandatory only for the subitems within the BOM hierarchy. </div>	

Effects on Customizing

If you want to use sales and subscription items in your BOM, you need a bundle item as the main item of the BOM. The following are delivered for such a bundle item:

- Item category PRBD - Subscription Order Bundle Item
You make general settings for item categories in the Customizing under ► [Service](#) ► [Transactions](#) ► [Basic Settings](#) ► [Define Item Categories](#) ►.
- Product type KMAT
The product type is mapped to the product role (*S Sales Package*) in the Customizing under ► [Service](#) ► [Master Data](#) ► [Settings for Subscription Master Data](#) ► [Subscription Product-Specific Data](#) ► [Assign Product Roles to Product Types](#) ►.

Related Information

[Multi-Level Configuration of Product Bundles Using Advanced Variant Configuration](#)
[Subscription Related Item](#)
[Subscription Order Item](#)
[Subscription Contract Item](#)
[BRFplus and BRFplus Functions](#)

4.4.3.4 Billing Schedule for Periodic Subscriptions

This feature enables you to model price variations over the course of the contract duration. Typically, these prices are already planned at the time of contract creation.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM (S4CRM: Subscription Order Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

If the selected item category has an associated billing plan item type, the [Billing Schedule](#) section is displayed at contract level, instead of the [Price Details](#) section in the SAP Fiori App [Manage Subscription Contract Item Details](#). You can, however, see the [Price Details](#) for individual billing items in the billing schedule. To do so, you must navigate into the billing item details using ► [the arrow](#).

Effects on Customizing

The following item categories are delivered to support the scenarios relevant for periodic billing schedule in Customizing under ► [Service](#) ► [Transactions](#) ► [Basic Settings](#) ► [Define Item Categories](#) ►:

- PROB Subscription Order Item for bill schd
- PRCB Subscription Contract Item for bill schd
- PRQB Subscription Item in Quote for bill schd

The following settings are delivered in the Customizing under ► [Service](#) ► [Transactions](#) ► [Basic Settings](#) ► [Billing Plan](#) ►:

- [Define Billing Plan Types](#):
 - [Billing Plans](#): Billing Plan Type '91' of type [Periodic Billing](#)
 - [Plan Lines](#):
Usage is set to [Periodic Billing](#)
The date rule selected in ► [Billing Data: Date Proposal](#) ► [Period](#) ► generates the periods of the billing schedule
The value selected in ► [Billing Data: Date Proposal](#) ► [Pricing Date](#) ► controls the date that is used in the pricing of the billing schedule period
- [Assign Billing Plan Type to Item Category](#): The Billing Plan Type '91' is assigned to the newly delivered item categories for periodic billing schedule scenarios.

Related Information

[Billing Schedule for Periodic Subscriptions](#)

4.4.3.5 Reassigning Master Agreement in a Subscription Contract When Customer Hierarchy is Changed


Consider a master agreement with an assigned customer hierarchy. If this customer hierarchy is modified in such a way that a node (business partner) is either moved to another customer hierarchy or removed, then any existing subscription contracts associated with the master agreement will be impacted by this change. In such a case, you can now manually adjust the current master agreement reference using the [Create Follow-Up](#) change process. This was previously not possible.

Technical Details

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

Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM (S4CRM: Subscription Order Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

You may either assign another relevant master agreement to the existing subscription contract or remove the reference altogether if no relevant master agreement is identified for the changed customer hierarchy. For more information about changing the master agreement, refer to SAP Note [3396116](#)  (Allow master agreement change when BP is moved to a different customer hierarchy or removed).

Related Information

[Customer Hierarchies in Master Agreement](#)

4.4.3.6 Replicating Scale-Based Prices to SAP Convergent Charging

This feature enables you to replicate scale-based prices to SAP Convergent Charging using the range table classes - Price Table Base Scale, Price Table To Scale, and Price Table Graduated Scale.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM (S4CRM: Subscription Order Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Recurring Fees in SAP Convergent Charging](#)

[Replicating Scale Based Prices to SAP Convergent Charging](#)

4.4.3.7 Unmodifiable Charge Plan Parameters in Subscription Order Management for Proration in SAP Convergent Charging

Currently, a recalculation (or proration) of prices for a subscription contract is triggered when a parameter that impacts the calculation of recurring fees in SAP Convergent Charging (SAP CC) is changed, for example, quantity. This feature is now enhanced to support unmodifiable parameters in an SAP CC charge plan.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM (S4CRM: Subscription Order Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Customizing

You can activate the feature [D Support unmodifiable charge plan parameters for proration](#) in the Customizing under ► [Service](#) ► [Master Data](#) ► [Settings for Subscription Master Data](#) ► [Convergent Charging](#) ► [Activate Integration Features](#) . If this feature is activated, you cannot set the [Proration](#) indicator manually. Instead, it will be set automatically when reading a charge plan from SAP CC for the parameter that has [Visibility Level](#) = **External (Mandatory unmodifiable)**.

Related Information

[Prorated Fees in SAP Convergent Charging Charge Plans](#)

4.4.3.8 Header Change Process - Change Sold-To Party Enabled for Mass Processing

You can now execute the header change process, [Change Sold-To Party](#), on multiple subscription contract documents from the [Mass Changes of Subscriptions](#) Fiori app. You can also modify the related organizational data while executing the [Change Sold-To Party](#) in a mass processing run.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM (S4CRM: Subscription Order Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Mass Changes of Subscriptions](#)
[Manage Mass Processing of Subscriptions](#)
[Change Sold-To Party](#)

4.4.3.9 Change Process - Change WBS Element

The [Change WBS Element](#) change process allows you to add a new WBS element or change an existing WBS element that has been assigned as an account assignment object in the subscription contract. The change process has also been enabled for mass processing so you can choose to update either individual or multiple subscription contracts at once.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	Not applicable
Application Component	CRM-S4-SOM (S4CRM: Subscription Order Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Change WBS Element](#)

[App Details: Mass Changes of Subscriptions](#)

4.5 Governance, Risk and Compliance for Finance

4.5.1 International Trade

4.5.1.1 International Trade Compliance

4.5.1.1.1 Set Global Trade Services Customs Document Schedule Line to Complete After Goods Receipt Posted in Purchasing Document

This feature ensures that a schedule line of a purchasing document, which was completed by a goods receipt posting, is replicated to GTS. This schedule line is no longer rechecked in GTS and the license information is preserved unchanged.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	24J (Compliance Management with SAP Global Trade Services)
Application Component	FT-ITR-INT-GTS (International Trade – GTS Integration)
Valid as Of	SAP S/4HANA 2023 FPS01

4.5.1.1.2 Suppress Invoice Creation for Purchasing Documents Blocked by Global Trade Services Trade Compliance

Prior to SAP S/4HANA 2023 FPS01, financial documents could not be created for blocked or unchecked purchasing documents.

This feature enables you to customize whether you want to suppress the creation of invoices for blocked purchasing documents or not. The default behavior has changed, invoice creation is now possible as the default setting. Within Customization, you have the option to change back to the behavior that financial documents are again suppressed if the prior purchasing document is blocked or not checked.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	24J (Compliance Management with SAP Global Trade Services)
Application Component	FT-ITR-INT-GTS (<i>International Trade – GTS Integration</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Customizing

Invoice creation is now possible as the default setting. Within Customization, you have the option to change back to the behavior that financial documents are again suppressed if the prior purchasing document is blocked or not checked.

4.5.1.1.3 Suppress Output from Sales Document when Blocked by GTS Trade Compliance

This feature ensures you can suppress output from a sales document (for example, printing) if one or more items of that document are blocked by GTS Trade Compliance. After the block is resolved in GTS, output for the sales order is possible.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	24J (Compliance Management with SAP Global Trade Services)
Application Component	FT-ITR-INT-GTS (<i>International Trade – GTS Integration</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

4.6 Country/Region Specifics

For country/region-specific changes, please see [What's New Viewer](#).

5 Human Resources

5.1 Country/Region Specifics

For country/region-specific changes, please see [What's New Viewer](#).

5.2 Timesheet Analytics - Activities: Removal from Business Function SAP HCM for SAP S/4HANA

The *Timesheet Analytics - Activities* app has been removed from the scope of Business Function *SAP HCM for SAP S/4HANA* (H4S4_1). It is now also available in the SAP S/4HANA HR Compatibility Pack solution.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PA-FIO-TS (My Timesheet/Approve Timesheet)
Valid as Of	SAP S/4HANA 2023 FPS01
	SAP S/4HANA 2022 SPS03

Additional Information

For more information, refer to SAP Note [3362346](#) .

Related Information

[Business Function for SAP HCM for SAP S/4HANA](#)

5.3 Timesheet Analytics - My Activities: Removal from Business Function SAP HCM for SAP S/4HANA

The *Timesheet Analytics - My Activities* app has been removed from the scope of Business Function *SAP HCM for SAP S/4HANA* (H4S4_1). It is now also available in the SAP S/4HANA HR Compatibility Pack solution.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PA-FIO-TS (<i>My Timesheet/Approve Timesheet</i>)
Valid as Of	SAP S/4HANA 2023 FPS01
	SAP S/4HANA 2022 SPS03

Additional Information

For more information, refer to SAP Note [3362345](#) .

Related Information

[Business Function for SAP HCM for SAP S/4HANA Timesheet Analytics - My Activities](#)

5.4 Business Catalog Deprecated

The business catalog *HCM - Monitoring (Deprecated)* (SAP_HCM_BC_ADMINISTRATOR) has been deprecated.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-HR (Cross-Application Objects in HR)
Valid as Of	SAP S/4HANA 2023 FPS01

5.5 Posting - Enhancement of the Completeness Check on the employee level report

With this feature you can benefit from the flexibility to select the specific date type for the completeness check in report `RPCIPO00_PNP`. You can opt to use either the technical run date of the payroll run or the payment date of the in-period of the payroll run.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PY-XX-DT (Posting)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

This feature offers the following key benefits:

- You can enhance the examination of unposted payroll results by using more precise criteria.
- Your team is better equipped for the posting to Accounting process.

Related Information

[Checking the Completeness of Postings](#)

5.6 Access Configuration for Integration with SuccessFactors

With this feature, you can configure your system for integration with APIs in SuccessFactors.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-TS (Time Sheet)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Customizing

There is a new Customizing activity [Configure Access for Integration with SuccessFactors](#) in Customizing for [Cross-Application Components](#) under [Time Sheet](#) [Special Settings for Consolidated Time Recording](#). It allows you to maintain the configuration settings needed for integration with APIs in the SuccessFactors area.

Note that, as a prerequisite, the Business Function CA_CATS_H4S4_SF_CTR ([CATS S4HANA SF Consolidated Time Recording](#)) must be active in your system.

6 Manufacturing

6.1 Environment, Health, and Safety

6.1.1 Incident Management

6.1.1.1 Assignment of a Witness or Supervisor to Injured Persons

With this feature, in the overview page floorplan (OVP) layout of an incident record, you can associate injured persons with a witness or supervisor. In the [Details](#) view of each person with the [Witness](#) or [Supervisor](#) roles, you can select checkboxes to assign one or more persons with the [Injured Person](#) role.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-IM (Incident Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

This feature applies to the overview page floorplan (OVP) layout of the user interface for viewing and editing incidents. The functionality was already available in the object instance floorplan (OIF) version of the user interface.

Effects on Customizing

To use the OVP floorplan, you need to activate it. In Customizing for [Environment, Health, and Safety](#), navigate to the following activity: ► [Incident Management](#) ► [General Configuration](#) ► [Activate Overview Page Floorplan \(New\)](#) ►. By default, the user interface is available in its previous version built using the OIF floorplan.

Note

Before you activate the OVP floorplan in the productive system, make sure to replicate your custom user interface enhancements and screen adaptations in the new floorplan. Modifications of the OIF floorplan are not compatible with the OVP floorplan.

Related Information

[Edit Incident \(Overview Page Floorplan\)](#)

6.1.2 Health and Safety Management

6.1.2.1 User Notification for Simple Tasks and Tasks with Approval

With this feature, you can specify the events on which an automatic email notification is sent to the owner, the assignee or, in case of tasks requiring approval, also the approver of a task. You can set up the notifications for simple tasks as well as for tasks with approval as desired, so that the respective person will receive an email as soon as the task fulfills a certain pre-specified condition, for example, when it is completed, rejected, has reached its due date, etc. This makes it easier for the persons assigned to keep track of their tasks.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-FND (<i>Foundation</i>)
	EHS-SUS-EM (<i>Environment Management</i>)
	EHS-SUS-IM (<i>Incident Management</i>)
	EHS-SUS-HS (<i>Health and Safety Management</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

There are predefined email templates for notifying the persons assigned to a standard task or a task with approval. The required information (for example, task title, task description, location, and due date) is filled in automatically by the system, and the email will be sent as soon as the task fulfills the previously set condition. These templates are maintained by the system administrator in the [Maintain Email Templates](#) app. This app can also be used to create and adjust custom templates as a copy of the predelivered ones.

Related Information

[Manage Task Definition](#)

6.1.3 Environment Management

6.1.3.1 Manage Emissions Declaration Report

With this feature, you can prepare emissions declaration reports to submit in compliance with German environmental regulations. In this report, you must declare the air pollutant emissions released by your plants, as well as the substance quantities relevant for such emissions that are used in your production processes.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-EM (Environment Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

You can generate an [SAP EM Standard Emissions Declaration Report](#) from the [Manage Environmental Reports](#) app. The report consists of an XML file of data collected from relevant locations in order to fulfill German regulatory requirements. As an environmental manager, you only need to specify the main (overarching) location and yearly reporting period.

The report compiles data on the following levels:

- Main location (at the highest level)
- All sublocations with active emissions declaration scenarios or handled substance scenarios. For each, the report pulls data from the [Additional Reporting Information](#) section in the [Manage Locations](#) app (see [Manage Locations](#)).
- Active handled substance scenarios in that location structure (app: [Manage Compliance Scenarios](#))
 - Handled substance collections created for these scenarios (app: [Collect Handled Substances](#) app). They must be in [Ready for Reporting](#) status.
- Active emissions declaration scenarios in that location structure (app: [Manage Compliance Scenarios](#))
 - Emissions declarations created for these scenarios (app: [My Emissions Declarations](#)). They must be in [Ready for Reporting](#) status.

Note

Optionally, you can assign an accounting clerk as a point of contact during the report creation. You can choose the accounting clerk from a list of existing business partners in the field's value help, and the information will appear inside the report.

After generating the report, you can navigate back to the search screen and refresh the results. The [Report Status](#) column will show [Generation Scheduled](#) until your report is ready to view.

Effects on Configuration

The following Business Add-Ins (BADIs) for developer extensibility are available for customizing the emissions declaration report feature:

- `BADI_EHENV_REPORT_GEN_EMD` - With this BAdI, you can create your own custom logic for XML report generation.
- `BADI_EHENV_RPT_PER_VAL_EMD` - With this BAdI, you can create custom validations for the reporting period chosen during the report preparation. SAP currently only offers a yearly reporting period. If you want to use a different reporting period (for example, monthly), you need to implement this BAdI.

For more information, see [Objects Released for Developer Extensibility in Environment Management \[page 125\]](#).

6.1.3.2 New Fields Added to My Emissions Declarations

Note

This feature is relevant for companies bound by certain German environmental regulations.

Two new fields have been added to the [My Emissions Declarations](#) app to provide additional data on emitted substances: [Determination Type](#) and [Physical State](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-EM (Environment Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The [Determination Type](#) and [Physical State](#) fields are mandatory and must be filled before an emissions declaration can be approved. The fields have drop-down menus with existing values.

For the determination type, you can choose any of the delivered values: calculation, estimation, or measurement. You can also add new values in the [Specify Off-Gas Determination Types](#) activity in your configuration environment.

For the physical state, you must choose one of three possible values: gas, liquid, or solid.

The data you enter will appear in the emissions declaration reports which you can generate via the [Manage Environmental Reports](#) app, after the emissions declaration has been approved and set to [Ready for Reporting](#) by the environmental manager at the location.

Related Information

[My Emissions Declarations](#)

[Manage Emissions Declarations Reports](#)

6.1.3.3 Handled Substance Scenario

📘 Note

This feature is relevant for companies bound by certain German environmental regulations.

With this feature, you can create a new type of compliance scenario: the handled substance scenario. It functions similarly to the generic compliance scenario, but is specially designed for facilities that handle substances which are subject to German environmental regulations.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-EM (Environment Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The handled substance scenario's design and activities are modeled after the generic compliance scenario (see [Manage Compliance Scenario](#)). Here's what a handled substance scenario does differently:

- You can activate it without any added activities.
- Its creation triggers the assignment of two classifiers to your chosen location: BImSchG Plant and Handled Substances.
- There is no [Closed](#) status available for this scenario type.
- Since handled substance scenarios are created for annual reporting purposes, the [Valid From](#) date is automatically set to the beginning of the selected year when you:
 - create a new scenario
 - create a scenario revision
 - copy an existing scenario into a new scenario.

In the [Collect Handled Substances](#) app, you can also create handled substance collections for handled substance scenarios. These collections consist of substances—used in different ways during your business processes—that fall under German regulatory reporting requirements.

The data collected by handled substance scenarios is used for yearly reports, which are generated via the [Manage Environmental Reports](#) app.

Effects on Existing Data

Upon creating a handled substance scenario for a location, that location will automatically be assigned two data classifiers: BImSchG Plant and Handled Substances.

Related Information

[My Emissions Declarations](#)

6.1.3.4 Collect Handled Substances

With this app, you can create collections of regulated substances used during your company's business processes. Each handled substance collection is set up for a handled substance scenario, and the data is used in emissions declaration reports in compliance with German regulatory reporting requirements.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-EM (Environment Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

When you create a new handled substance collection, you must select an existing handled substance scenario and a reporting year. You can only have a single collection for the same reporting year and handled substance scenario (which is marked by the BImSchG and Handled Substances location classifiers).

Once you've created a new collection, you can add handled substances to it by selecting existing company substances from the value help.

Note

Company substances are created in the [Manage Substances Compliance](#) app, where you can either link them to an existing listed substance, or create a new listed substance for a company substance. You can only add company substances to handled substance collections.

By default, the quantity for all handled substances is measured in tons. The mandatory [Use](#) field describes the way a substance is used in your business processes, and you can add or remove available uses in the value help via the [Specify Handled Substance Usages](#) activity in your configuration environment.

Effects on Existing Data

When you create a new report of the type [SAP EM Standard Emissions Declaration Report](#) in the [Manage Environmental Reports](#) app, upon selecting an active location structure with a handled substance collection

created for it, then the generated report will include the handled substance data required by German authorities.

Effects on Configuration

For each substance added to a handled substance collection, you must select its use from the value help. Handled substance uses are specified in your configuration environment, in the [Specify Handled Substances Usages](#) activity. SAP delivers a list of existing handled substance uses, which are based on example uses listed by German environmental authorities. You can add or remove uses to control what's displayed in the app's value help.

If you want to use the [Import](#) function to import substances into a handled substance collection from an external source, you need to implement the following Business Add-In: [Handled Substance Collection Import](#) (BADI_EHENV_HSC_IMPORT). For more information, see [Objects Released for Developer Extensibility in Environment Management \[page 125\]](#).

Related Information

[My Emissions Declarations](#)
[Manage Emissions Declarations Reports](#)

6.1.3.5 Improvements to Compliance Scenarios

New improvements have been made to compliance scenarios in the [Manage Compliance Scenario](#) app.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-EM (Environment Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following changes and improvements have been made to compliance scenarios in the *Manage Compliance Scenario* app:

- A new scenario type is available (see [Handled Substance Scenario \[page 115\]](#)).
- Generic compliance scenarios can use data from emissions declaration scenarios in calculations and data aggregations. Whenever a new emissions declaration amount is added and approved by the environmental manager, all scenario activities that are affected are automatically updated.
- Generic compliance scenarios can be set to a new *Closed* status. This shuts down all activities and notifies the owners of linked scenarios that may be affected.
- You can create revisions with past starting dates for generic and handled substance scenarios.
- You can assign environmental limits in all compliance scenario types.
- You can add calculation and sampling activities to emissions declaration scenarios.

Related Information

- [Location-Based Aggregation](#)
- [Calculation Setup](#)
- [Generic Compliance Scenario](#)
- [Emissions Declaration Scenario](#)
- [Compliance Requirements](#)
- [Revising Compliance Requirements](#)

6.1.3.6 Past-Date Revisions of Compliance Requirements

As an environmental manager, you can create compliance requirement revisions for dates that have already passed.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-EM (Environment Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The restriction on starting dates for compliance requirement revisions—limiting them to the present or future—has been removed. You can create revisions of compliance requirements for any dates (past, present, or future) in the *Manage Compliance Requirements - Regulations, Permits, Policies* app.

Related Information

[Compliance Requirements](#)
[Revising Compliance Requirements](#)

6.1.3.7 Additional Reporting Information for Locations

With this feature, a new *Additional Reporting Information* section has been added to the *Manage Locations* app. You can use this section to add the required location details for emissions declaration reports using the SAP-delivered content, or customize it for other report types.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS -SUS-EM (<i>Environment Management</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The new *Additional Reporting Information* section is found under the *Environmental Details* tab in the *Manage Locations* app.

For customizing it to your reporting needs, see the section below.

If you are creating or editing a location that is relevant for emissions declaration reporting in compliance with German environmental regulations, this step is necessary in order for the report to be complete.

In the *Additional Reporting Information* section, choose *Load Reporting Information*. From the dropdown menu, choose *Emissions Declaration*. After the entries have loaded, select all that apply to your location and choose *Save*.

Effects on Configuration

You can also customize this section to load data for different report types.

In your configuration environment, use the search function to find the following activities: *Specify Additional Reporting Information Types* and *Specify Additional Reporting Information Details*. There, you can configure all the fields in the section according to your needs.

For more information, see [Configuration for Environment Management \[page 122\]](#).

Related Information

[Manage Emissions Declaration Report \[page 113\]](#)
[Create Location](#)

6.1.3.8 Integration of Greenhouse Gas Emissions Data with SAP Sustainability Control Tower

With this integration, you can merge greenhouse gas emissions data collected in EHS with the SAP Sustainability Control Tower, allowing you to record, report and act on your sustainability goals across both products.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4XD
Application Component	EHS-SUS-EM (<i>Environment Management</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following apps are part of the SAP Sustainability Control Tower product, and they allow you to create an inventory with your business activity data, add emissions data to your business data, and analyze the greenhouse gas emissions of your organization:

- [Manage Emission Inventory](#): Create an inventory of your activities that release emissions to define the boundary for greenhouse gas (GHG) recording.
- [Collect Emission Data](#): Collect and associate greenhouse gas emissions data to your business activities. You can prepare emissions data for further analysis in the [View Emission Dashboard](#) app.
- [View Emission Dashboard](#): Analyze the emission output for your company for specific periods, business locations, and GHG scopes. Track your overall progress and see in which areas you have already reduced the emissions output.

Related Information

[Integration](#)

6.1.3.9 Configuration for Environment Management

With this release, new configuration objects or configuration items for making settings related to [Environment Management](#) have been added to your configuration environment. In addition, changes have been made to some previously delivered configuration objects or configuration items.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-EM (Environment Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Type of change	Configuration for ...	New/changed configuration object	What you can do	Solution Area	Solution Capability
New Customizing activity	Value help for the required Use field in the Collect Handled Substances app	Specify Handled Substances Usages	Specify the ways in which your business processes use handled substances that are subject to regulatory reporting, in the Collect Handled Substances app.	Environment, Health and Safety	Environment Management (SAP S/4HANA)
New Customizing activity	Location types that can be used in Environment, Health, and Safety apps	Specify Location Types	Specify the location types that are available for use in the system (such as facility, plant, building, and so on).	Environment, Health and Safety	Environment Management (SAP S/4HANA)
New Customizing activity	Location classifiers that can be used in Environment, Health, and Safety apps	Specify Location Classifier Types	Create location classifier types to group locations by a common classification and sort through them more easily.	Environment, Health and Safety	Environment Management (SAP S/4HANA)
New Customizing activity	Reporting types that load additional reporting information for use in environmental reports	Specify Additional Reporting Information Types	Specify what reporting types are available to select from in the Additional Reporting Information section in the Manage Locations app.	Environment, Health and Safety	Environment Management (SAP S/4HANA)

Type of change	Configuration for ...	New/changed configuration object	What you can do	Solution Area	Solution Capability
New Customizing activity	Entries that load with each reporting type in the Manage Locations app	Specify Additional Reporting Information Details	Specify the rows of entries that load with each reporting type in the Additional Reporting Information section in the Manage Locations app.	Environment, Health, and Safety	Environment Management (SAP S/4HANA)

6.1.3.10 User Notification for Reporting Tasks

With this feature, you can specify the events which trigger an automatic email notification sent to a task owner, assignee, or approver. You can set up the notifications for reporting tasks as desired, so that the right person will receive an email as soon as a task fulfills a pre-specified condition (such as being completed, rejected, past due date, and so on). This makes it easier for the persons assigned to keep track of their tasks.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-EM (Environment Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

There are predefined email templates for notifying the persons assigned to a standard task or a task requiring approval. The necessary information (such as task title, description, location, and due date) is filled in automatically by the system, and the email is sent as soon as the task fulfills a preset condition. These templates are maintained by the system administrator in the [Maintain Email Templates](#) app. This app can also be used to create and adjust custom templates as a copy of the pre-delivered ones.

6.1.3.11 Objects Released for Developer Extensibility in Environment Management

With the objects released in [Environment Management](#), you have access to data from SAP S/4HANA when building custom applications or extensions with developer extensibility. You can integrate the released objects in your custom code or extend them at predefined extension points. Depending on your use case, different object types are provided (such as BAdIs, CDS views, or RAP business objects). You can find all the released objects in the ABAP Development Tools (ADT), when you're connected to your SAP S/4HANA system.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-EM (Environment Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following table summarizes the objects that have been added for developer extensibility with the current release.

Objects Added for Developer Extensibility

Object				
Type	End-User Name	Technical Name	Type	Details
BAdI	Handled Substance Collection Import	BADI_EHENV_HSC_IMPORT	New	This BAdI allows you to set up the Collect Handled Substances app to be able to import external data into a handled substance collection.
BAdI	Generate Environmental Report	BADI_EHENV_REPORT_GEN_FILE	New	This BAdI allows you to create your own custom XML report implementation, based on the emissions declaration report.
BAdI	Validation of Environmental Report Period	BADI_EHENV_RPT_PERIOD_VAL	New	This BAdI allows you to create custom validations for the reporting period chosen during the emissions declaration report setup. SAP currently only offers a yearly reporting period. If you want to use a different reporting period (for example, monthly), you need to implement this BAdI.

Object Type	End-User Name	Technical Name	Type	Details
BAdI	Get additional reporting information of a location	BADI_EHENV_RPT_LOC _REP_INFO	New	This BAdI allows you to extract a facility's additional reporting information from the Manage Locations app. It also contains an implementation for use in PRTR reports.
BAdI	Adjustment of the PRTR chapters during generation	BADI_EHENV_RPT_ADJ _PRTR_CHPTR	New	<p>This BAdI allows you to adjust the content within the chapters of a PRTR report. It includes a CHAPTER_ID filter that determines which implementation is used. The following implementations are delivered for PRTR reports:</p> <ul style="list-style-type: none"> • BADI_EHENV_RPT_ADJ_PRTR_CH_AE (AE = emissions to air [including accidental] and land) • BADI_EHENV_RPT_ADJ_PRTR_CH_EW (EW = emissions to water) • BADI_EHENV_RPT_ADJ_PRTR_CH_PL (PL = BImSchG plant data) • BADI_EHENV_RPT_ADJ_PRTR_CH_WD (WD = waste disposal)

Developer extensibility allows you to create development projects in SAP S/4HANA by using ABAP Development Tools for Eclipse. This gives you the opportunity to build extensions, services, and SAP Fiori apps using the complete set of ABAP features released for SAP S/4HANA, for example, with the ABAP RESTful Application Programming model, http services, and ABAP objects. For more information about the released objects and how to find them, see [Released Development Objects](#).

Effects on System Administration

The business role template [Developer](#) (SAP_BR_DEVELOPER) needs to be assigned to the user. This business role template consists of business catalogs that contain the authorizations required for working with the development objects released for developer extensibility. You can find details about the business catalogs contained in the business role template [Developer](#) in the [Maintain Business Roles](#) app.

6.1.3.12 Waste Management

6.1.3.12.1 Form for Land Disposal Restrictions

With this feature, in the [My Waste Transportation Documents](#) app, a land disposal restrictions (LDR) form is generated when you schedule the transportation of hazardous waste. The LDR form is available in addition to a hazardous waste manifest (HWM).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-WA (Waste Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

An LDR form is used to accompany shipments of hazardous waste from the point of generation to a treatment, storage, or disposal (TSD) facility. The LDR form contains information on the waste generator, TSD facility, and the waste products contained in the shipment.

Note

The HWM and LDR forms are required by regulations that only apply in the United States of America.

When a document of the [HAZARDOUS WASTE MANIFEST](#) type is in [Transportation Scheduled](#) status, the LDR form is available in the [Output Items](#) section of the [My Waste Transportation Documents](#) app (F5290).

Effects on Existing Data

You can generate an LDR form for an existing document that is in [Transportation Scheduled](#) status by choosing [Set to New](#) and then [Schedule Transportation](#).

Related Information

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

6.1.3.12.2 Integration with Inventory Management

With this feature, movements of waste are reflected in [Inventory Management](#) and recorded by creating the corresponding material documents (goods receipt and goods issue). In the [Manage Waste Transfer Requests](#)

app, the [Reference Documents](#) section now also includes material documents that are posted in [Inventory Management](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-WA (Waste Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following types of goods movement are recorded in [Inventory Management](#):

- **Goods Receipt**
When you post a waste transfer request, a goods receipt is posted in [Inventory Management](#), and the stock change is reflected in the system.
When you cancel the posting of a waste transfer request ([Cancel Post](#) action), the transfer request reverts to [New](#) status. The goods receipt already posted in [Inventory Management](#) is reversed.
- **Goods Issue**
When you submit a transportation document that is related to a posted waste transfer request, a goods issue is posted in [Inventory Management](#), and the stock change is reflected in the system.
When you cancel a submitted waste transportation document, the goods issue is reversed.

Prerequisites

For the waste storage location defined in the waste stream (a location of the [Storage Location](#) type), the following data must be available:

- In the [Organizational Information](#) section, the fields [Plant ID](#) and [Cost Center](#) must be filled in.
- In the [Storage Information](#) section, the [Storage Location](#) field must be filled in.

Effects on System Administration

To be able to post material documents and see these documents in the [Reference Documents](#) section, users need to be authorized to work with [Inventory Management](#).

Related Information

[Waste Transfer Requests](#)
[Manage Waste Transfer Requests - Waste Management](#)

6.1.3.12.3 Synchronization of Confirmed Quantities from Waste Transportation Documents to Waste Transfer Requests

With this feature, for each waste transfer request in the [Manage Waste Transfer Requests](#) app, you can see the quantities of waste whose disposal has been confirmed. The data is taken from the waste shipment's transportation document after it is updated with the total confirmed quantity following the waste disposal.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-WA (Waste Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The [Confirmed Quantity](#) field has been added to the [Manage Waste Transfer Requests](#) app (F6084). The data is taken from the [Confirmed Quantity](#) field in the [My Waste Transportation Documents](#) app (F5290) when the [Total Confirmed Quantity](#) field is filled in after disposal has been confirmed.

If a single transportation document was created for multiple waste transfer requests, the confirmed quantity for each request is calculated from the total confirmed quantity based on the ratio of the outgoing quantities in the individual requests. In the waste transportation document, you can also fill in the individual confirmed quantity for each request. Then, these values are displayed in the [Manage Waste Transfer Requests](#) app.

Related Information

[Waste Transfer Requests](#)

6.1.3.12.4 Custom Fields and Configuration for Waste Transfer Requests

You can customize the [Manage Waste Transfer Requests - Waste Management](#) app according to your business needs for different aspects, using the following extensibility and configuration options.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-WA (Waste Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Custom Fields

In the Custom Fields and Logic app, you can now enable custom fields to be used in the [Manage Waste Transfer Requests - Waste Management](#) app. The custom fields that you create are visible as new columns in the list report table (on the initial search results page).

Business Context	UI Technology	Navigation Path	UI Element Type
EHS Waste Management Waste Transfer Request (EHEWA_WASTE_TRANS- FER_REQUEST)	Fiori	List Report	Table

Business Add-Ins

The new Business Add-In (BAI) [Waste Transfer Request Status Validation](#) (BADI_EHEWA_WTR_STATUS_VAL) enables you to implement your own validations for the system to perform before a user can assign a different status to a waste transfer request.

You can only create custom validations for statuses that fulfill the following criteria:

1. They are standard, SAP-delivered statuses (not custom created)
2. They have no existing default validations configured

For example, the following statuses have existing default validations and currently cannot accept custom validations: [Default \(New\)](#), [Posted](#), [Assigned](#).

The BAdI definition is part of the `ES_EHEWA_WTR_STATUS_VALIDATION` enhancement spot and uses the `IF_BADI_EHEWA_WTR_STATUS_VAL` interface, which includes the `VALIDATE_STATUS_CHANGE` method.

Customizing Activities

You can now use the [Maintain Number Range for Waste Transportation Document - Number](#) Customizing activity to specify a number range for internal waste transportation document numbers. You can find this activity under [► Environment, Health and Safety ► Waste Management ► Transportation Documents ► Maintain Number Range for Waste Transportation Document - Number ►](#).

6.1.3.12.5 Attachments Section in the Import Waste Documents - Delivery Notes App

With this feature, in the [Import Waste Documents - Delivery Notes](#) app, you can view and download files that you've used to import waste delivery notes.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-WA (Waste Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

With the [Import Waste Documents - Delivery Notes](#) app (F7338), you can use a template to import data from nonregulated waste transportation documents (delivery notes) that are provided by a disposer to confirm the transportation and disposal of nonhazardous waste. The system then creates entries for the waste transfer requests and waste transportation documents related to the completed waste shipments.

The files you import will now appear in the [Attachments](#) section of the [Import Waste Documents - Delivery Notes](#) app. You can view and download both successfully imported files and files that couldn't be imported.

Related Information

[Import Waste Documents - Delivery Notes](#)

6.1.3.12.6 Maximum Size of the Import File for Waste Delivery Notes

With this feature, in the [Import Waste Documents - Delivery Notes](#) app, the maximum size of the import file for waste delivery notes has been set to 10 MB. Previously, it was possible to import files larger than 10 MB, which could sometimes slow down performance.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-WA (Waste Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Import Waste Documents - Delivery Notes](#)

6.2 Extended Production Planning and Scheduling

6.2.1 Enhancements for Tank Planning with Container Resources

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

- Fixed pegging relationships are now also retained for split storage activities.
- Usability improvements

- As evaluation date and time for the fill level calculation on the [Storage Resources](#) view in [Order Processing](#), you can now also select at the start or end of each individual storage activity.

Technical Details





Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-APPO-PPS (Production Planning and Detailed Scheduling)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The usability improvements include the following:

- You can now navigate from a production data structure (PDS) to the corresponding product storage definition (PSD) and vice versa.
- You can now navigate from the detailed scheduling planning board directly to the [Storage Resources](#) view in [Order Processing](#).
- You can add additional rows in the table in the [Storage Resources](#) view in [Order Processing](#) to be able to split storage activities on the same storage resource.
- When input quantities are changed, the duration of storage activities can be recalculated. You can define in Customizing whether the duration is calculated always, never, or whether the user can decide every time.

Effects on Customizing

In Customizing activity  [Advanced Planning](#)  [Tank Planning with Container Resources](#)  [Maintain Settings for Tank Planning with Container Resources](#) , you can now specify whether each time input quantities are changed, the duration of storage activities, like draining, is recalculated.

You have the following options:

- [Never](#)
- [Always](#)
- [Ask Every Time](#)

Related Information

[Tank Planning with Container Resources](#)
[Splitting Storage Activities](#)

6.2.2 Manage Flexible Constraints for PP/DS

You can now use the [Manage Flexible Constraints for PP/DS](#) SAP Fiori app to manage flexible constraints for Production Planning and Detailed Scheduling (PP/DS). Flexible constraints can be created by integration with an external planning system, like SAP Integrated Business Planning for Supply Chain (SAP IBP), or manually in this app. The flexible constraints can be used for planning with heuristic [Planning of Std. Lots \(Flex. Constr.\)](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-AP0-PPS (Production Planning and Detailed Scheduling)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Existing Data

For the new SAP Fiori app, the [Flexible Constraint Group ID](#) has been introduced that collects multiple flexible constraints for the same combination of planning version, scope, location, product, and source of supply (SoS). During the upgrade, existing flexible constraints are grouped using Silent Data Migration (SDM) with class `/SAPAPO/CL_SDM_FLEXCONS`. For more information, see [3396802](#).

Related Information

[Manage Flexible Constraints for PP/DS](#)
[Managing Flexible Constraints](#)

6.2.3 Flexible Constraints for PP/DS: Minimum and Maximum Supply Quantity

This feature enables you to define minimum and maximum supply quantities as flexible constraints in Production Planning and Detailed Scheduling (PP/DS). These minimum and maximum supply constraints can be used, along with the already existing target supply constraint, for planning with the [Planning of Std. Lots \(Flex. Constr.\)](#) (SAP_PP_FLXC) heuristic. Minimum and maximum supply quantity can also be created by integration from an external planning system, like SAP Integrated Business Planning for Supply Chain (SAP IBP).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-APD-PPS (Production Planning and Detailed Scheduling)
Valid as Of	SAP S/4HANA 2023 FPS1

Related Information

[Planning with Flexible Constraints](#)

6.3 Production Operations

6.3.1 Just-In-Time Supply to Production

- New applications available: Manage Forwarded JIS Calls, Monitor Forwarded JIS Calls, Forwarded JIS Calls - Overview
- Reorder components in forwarded JIS calls
- New field titled [Relevant for Forwarding](#) for forwarding relevant JIS calls to suppliers introduced
- Send forwarded JIS calls to next suppliers

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LE-JIT-S2P
Valid as Of	SAP S/4HANA 2023 FPS1

Additional Details

- With the [Manage Forwarded JIS Calls](#) application, you as a [Production Supervisor - Lean Manufacturing \(SAP_BR_PRODN_SUPVR_LEAN_MFG\)](#) or [Material Planner - Just-In-Time Supply \(SAP_BR_MATL_PLNR_JIT_S_TO_C\)](#) can view, edit, forward, and reorder forwarded Just-In-Sequence (JIS) calls that are created from the customer JIS calls.
- With the [Monitor Forwarded JIS Calls](#) application, you as [Production Supervisor-Lean Manufacturing \(SAP_BR_PRODN_SUPVR_LEAN_MFG\)](#) or [Material Planner - Just-In-Time Supply \(SAP_BR_MATL_PLNR_JIT_S_TO_C\)](#) can get a view of forwarded JIS calls available in your responsible area. Using the analytical application, it is possible to identify the active, completed, and cancelled forwarded JIS calls against different filter criteria.
- With the [Forwarded JIS Calls - Overview](#) application, you as a [Production Supervisor - Lean Manufacturing \(SAP_BR_PRODN_SUPVR_LEAN_MFG\)](#) or [Material Planner - Just-In-Time Supply \(SAP_BR_MATL_PLNR_JIT_S_TO_C\)](#) can get an overview of all forwarded JIS (Just in Sequence) calls in your responsible area against different filter criteria.
- Possible to trigger reorder for a subset of component materials of the forwarded JIS calls from the object page. Also create forwarded JIS calls for selected faulty component using the [Reorder](#) option.
- New field titled [Relevant for Forwarding](#) within the [External Replenishment](#) tab is introduced. This is to identify control cycles that are relevant for forwarding JIS calls to suppliers.
- Possible to forward Just-In-Sequence (JIS) calls and retransmission of messages to next tier suppliers. Retransmissions are supported only if the JIS call is not in [Completed](#) status.

Effects on Customizing

A new configuration titled *Mapping Internal Processing Status to External Status* is introduced.

6.3.2 Updated Distribution Balance Check in PMMO

The Distribution Balance Check feature in Project Manufacturing Management and Optimization (PMMO) has been enhanced to get detailed information on grouping WBS elements that have undistributed costs. You can

now run the report in the test mode, view the persisted distribution balance check records, and also view the header records for distribution balance check.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-PMM-DIS (Distribution)
Valid as Of	SAP S/4HANA 2023 SPS01

6.3.3 Exception Upload via Excel

You can use the Exception Upload via Excel feature in Project Manufacturing Management and Optimization (PMMO) that offers an API to create, change, and delete exceptions for PMMO.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-PMM-PEG (Pegging)
Valid as Of	SAP S/4HANA 2023 SPS01

6.3.4 Execution Sheets

This feature enables you to benefit from these enhancements:

- Unified look and feel across manufacturing scenarios and more modern user interface (HTML 5 standard-compliant)
- Reduced maintenance, increased performance, and access, maintenance, and archiving using SAP GUI for Windows or SAP GUI for HTML

- High reuse of customer investments in XStep-based process instructions, master recipes, routings, and so on
- Easy migration from browser-based PI sheets and work instructions to execution sheets

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Make-to-Stock - Process Manufacturing Based on Production Order Make-to-Stock with Co- and By-Products - Process Manufacturing Make-to-Order Production - Process Manufacturing Make-to-Stock Production - Discrete Manufacturing Make-to-Stock - Process Manufacturing Based on Process Order
Application Component	PP-PI-PMA (<i>Process Management</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Execution sheets provide the following modern ERP process management (PP-PI-PMA) capabilities:

- High reuse of precious customer investments in the design time
 - XStep-based process instructions, master recipes, routings, and so on
 - Easy migration by exchanging the leading control recipe or instruction destinations (destination type = 4) against XStep destinations of (new) destination type 'X'.
- High reuse of established and robust functionality
 - Approvals using digital signatures
 - Dynamic function calls (SAP function modules and custom function modules)
 - Tracking and tracing features, like the event log
 - Optical archiving (standalone or as content of batch records) using SAP ArchiveLink
- Unified, modern look and feel, independently of chosen manufacturing scenario
 - Batch-oriented (PP-PI) and discrete (PP-SFC)
 - High reuse of HTML 5-compliant custom style sheets created for browser-based PI sheets and work instructions
- Reduced maintenance and increased performance

- Semantically structured HTML content
- Usage of state-of-the-art stylesheet functions, like CSS grid
 - Allows easy adoption of the look and feel for mobile device usage

Effects on Customizing

To generate execution sheets, you need to maintain new destinations of type X as follows:

Open the following activity in the SAP Customizing Implementation Guide: ► [Production Planning for Process Industries](#) ► [Process Management](#) ► [Destinations](#) ► [Maintain Destination \(transaction CMX_XSH_DEST_SETUP\)](#) ►:

- Create a new entry for the destination in the selected plant.
 - Choose a name for the destination.
 - The name consists of two characters, uppercase and lowercase characters.
 - Maintain the address and the description of the destination.
- On the destination details screen, maintain the configuration settings for the approval (digital signatures) and the event log.
- Save your changes.

Related Information

[Execution Sheets](#)

[Browser-Based Process Management Applications](#)

[Execution Sheets: HTML Generation and Data Exchange](#)

6.3.5 Enhanced (Electronic) Batch Records

This feature enables you to benefit from the following:

- Improved batch record workload selection with additional criteria
- Access, maintenance, archiving, and approval of batch records using SAP GUI for Windows and SAP GUI for HTML, with additional user credential check technologies for batch record version approval
- Reuse of existing print reports and forms, including accessing archived execution sheets, current and legacy browser-based PI sheets, and work instructions

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	<p>Make-to-Stock - Process Manufacturing Based on Production Order</p> <p>Make-to-Stock with Co- and By-Products - Process Manufacturing</p> <p>Make-to-Order Production - Process Manufacturing</p> <p>Make-to-Stock Production - Discrete Manufacturing</p> <p>Make-to-Stock - Process Manufacturing Based on Process Order</p>
Application Component	PP-PI-PDO (Process Data Documentation)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The enhanced electronic batch record capabilities allow the following:

- Better selection of the batch record workload
 - Additional selection criteria
- Access, maintenance, archiving, and approval of batch records using SAP GUI for Windows and SAP GUI for HTML
 - Reusing existing (custom) print reports and (custom) print forms (SAPscript, SAP Smart Forms, and Adobe-based forms)
 - Includes accessing archived execution sheets, browser-based PI sheets, and work instructions (HTML 5 standard)
 - Includes accessing archived HTML 4-compliant legacy browser-based PI sheets and work instructions
- Approval of batch record versions using additional user credential check technologies (https://help.sap.com/docs/ABAP_PLATFORM_NEW/70761bba72014fb48199b9232d0d8409/2039af361f7f4991ba511ebf85d557c3.html?version=202310.000), provided by the class-based https://help.sap.com/docs/ABAP_PLATFORM_NEW/70761bba72014fb48199b9232d0d8409/a775745b9bc84d86ad83edbd671f02d7.html?version=202310.000 tool
 - System signature after check of time-based one-time passcode (TOTP) data and the SAP user ID
 - System signature after check of external password and the SAP user ID
 - Using SAP directory services (Lightweight Directory Access Protocol (LDAP))

Related Information

[Enhanced Batch Record Functionality](#)
[Optical Archiving of Batch Records](#)

6.3.6 Just-In-Time Supply to Customer

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

- **Subsequent Delivery Processing of Packing Groups**
In case of delayed delivery of a JIT call component, before blocking the delivery for all other JIT calls planned to be packed and delivered together, only that affected JIT call component group gets delivered subsequently. It is therefore removed from the packing group to which it has been allocated according to its sequence number. Various options are now available for further processing.
- **Deallocation of Component Group from Packing Group Slot**
A new action S1_PG_CANC allows you to deallocate a component group from a packing group and enable automatic rearrangement.
- **Reallocation of Packing Groups on Sequence Number Update**
After the allocation of a customer JIT call component group to a packing group slot, there could be an update of the sequence number. In such a case, since the existing packing group allocation does not conform to the updated sequence number, you can carry out a reallocation.
- **Exclude Different Levels of Packing Group from Handling Unit**
As a master data specialist, you can exclude one or multiple levels of packing group specification (in case of nested scenarios), except for the innermost level.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	2EM (Just-In-Time Supply to Customer)
Application Component	LE-JIT-S2C
Available As Of	SAP S/4HANA 2023 FPS01

Related Links

For more information, refer to the product documentation at <https://help.sap.com> under ► [SAP S/4HANA](#) ► [Manufacturing](#) ► [Production Operations](#) ► [Just-In-Time \(JIT\) Supply to Customer](#) ►.

6.4 Country/Region Specifics

For country/region-specific changes, please see [What's New Viewer](#).

7 Manufacturing for Production Engineering and Operations

7.1 Cross-Area Features

7.1.1 Customizing Activities and Business Add-Ins for PEO

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

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO (<i>Manufacturing Engineering Cockpit</i>)
Valid as Of	SAP S/4HANA 2023 FPS1

Additional Details

Customizing Path	Customizing Activity/BAdI	Description
►► Production ► Manufacturing for Production Engineering and Operations ► Business Add-Ins (BAdIs) ► Production Engineering ► Production Integration Portal (PiP) Data ►	BAdI: Direct Assignment for Defect	<p>You implement this Business Add-In (BAdI) if you want to create a new defect code using data from a PiP source file. You can also implement a 1:0 or a 1:n logic.</p> <p>You also implement this BAdI if you want to use data from a source item in the PiP file when creating a defect code.</p>

Customizing Path	Customizing Activity/BAdI	Description
	BAdI: Direct Assignment for Header Document	<p>You implement this BAdI if you want to create a new shop floor routing header document using data from a PiP source file. You can also implement a 1:0 or a 1:n logic.</p> <p>You also implement this BAdI if you want to use data from a source item in the PiP file when creating a routing header document.</p>
	BAdI: Direct Assignment for Logical Component	<p>You implement this BAdI if you want to create a logical component using data from a PiP source file. You can also implement a 1:0 or a 1:n logic.</p> <p>You also implement this BAdI if you want to use data from a source item in the PiP file when creating a logical component.</p>
►► <i>Production</i> ► <i>Manufacturing for Production Engineering and Operations</i> ► <i>Business Add-Ins (BAdIs)</i> ► <i>Production Operations</i> ► <i>Shop Floor Orders</i> ►	BAdI: Identifying and Converting Shop Floor Orders	<p>You can use the new method <code>SET_EXTENDED_QUALITY_CHECKS</code> (<i>Set Indicator for Extended Quality Checks</i>).</p> <p>This method is called to update the indicator for extended quality checks in the inspection lot whenever a shop floor order is created or master data is re-read.</p> <p>For detailed information, see the method documentation in the system.</p>
►► <i>Production</i> ► <i>Manufacturing for Production Engineering and Operations</i> ► <i>General Settings</i> ►	Define Number Ranges	<p>You need to maintain the new number range for PRT registration: MPE Number Range Object for PRT Registration (Maximum number allowed: 9,223,372,036,854,775,807)</p>
►► <i>Production</i> ► <i>Manufacturing for Production Engineering and Operations</i> ► <i>Business Add-Ins (BAdIs)</i> ► <i>Production Operations</i> ► <i>Serial Number Groups</i> ►	BAdI: Additional Checks When Creating or Changing SN Groups	<p>You can use the new default implementation class <code>CL_MPE_SFI_GRP_CHK_DOC_LNKS</code> which checks whether the documents attached to the shop floor orders of the group members are identical.</p>

Customizing Path	Customizing Activity/BAdI	Description
►► Logistics - General ► Product Lifecycle Management (PLM) ► Plant Maintenance and Customer Service ► Master Data in Plant Maintenance and Customer Service ► Technical Objects ► Serial Number Management	Define Serial Number Profiles	In this customizing activity, you define the serialization procedure of the serial number profile to determine whether you want to perform a quantity-based or equipment registration for material and equipment PRTs in execution.
►► Production ► Manufacturing for Production Engineering and Operations ► Business Add-Ins (BAdIs) ► Production Engineering ► Manufacturing Reference Structures	BAdI: Allowing and Disallowing BOM to MRS Mapping	<p>You implement this Business Add-In (BAdI) if you want to enable the use of generic paths when creating BOM to MRS mapping. You can define rules to control when the system is to create a generic path and when a full specified path is to be used for the mapping.</p> <p>You also implement this BAdI if you want to restrict the mapping behavior for released BOMs.</p> <p>For detailed information, see the BAdI documentation in the system and refer to the example implementation.</p>
►► Production ► Manufacturing for Production Engineering and Operations ► Business Add-Ins (BAdIs) ► Production Engineering ► Shop Floor Routings	BAdI: Mapping of Components/Instances When Creating SFR Using Source SFR	You implement this BAdI to map component and component instance assignments to operation activities when creating a new routing for an MBOM using an already existing shop floor routing as the source.
►► Production ► Manufacturing for Production Engineering and Operations ► Business Add-Ins (BAdIs) ► Production Engineering ► Converting Planning BOMs into Shop Floor BOMs	BAdI: Create Object Dependency	You implement this BAdI if you want to enable flattening of phantom BOM that has multi-level object dependencies.
►► Production ► Manufacturing for Production Engineering and Operations ► Business Add-Ins (BAdIs) ► Production Engineering ► Version BOM APIs	BAdI: Item Category - Text Item Check	You can use this BAdI to override the text item check on BOMs. When you implement this BAdI, the system allows processing of BOMs that contain text item category.

Related Information

[Settings for Serialization - PRT Registration](#)
[Manufacturing Reference Structures \(MRS\) \[page 155\]](#)
[Extended Quality Checks in Execution \[page 180\]](#)

7.1.2 Concurrent Engineering

SAP S/4HANA PEO provides features to support you to achieve a concurrent design and manufacturing environment. The aim is to create a more collaborative, team-based approach for designing and manufacturing products and to establish better communication channels between product engineers, production engineers, quality engineers, and production operators, for example. A new comparison is now available which you can use to compare the as-built product hierarchy with the as-planned MBOM.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO (Manufacturing Engineering Cockpit)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Compare As-Built with As-Planned \[page 189\]](#)

7.1.3 Replication of Production Order Changes from PEO to ERP

With this feature, the system now replicates any changes you make to a shop floor order in SAP S/4HANA production engineering and operations to your ERP system. In previous releases, the system replicated the source production order to the PEO system where it is processed. However, it was not previously possible to replicate any order changes done in the PEO system back to the ERP system. With this release, this gap has been closed and you can now keep both ERP production orders and PEO shop floor orders in synch. The new features enabled in the current release are explained further in the Additional Details section.

Technical Details

Type	Changed
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Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-DSC (<i>DSC Edition for PEO (PEO and ERP side-by-side)</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following features have been enabled with the current release. You can now:

- Update the ERP production order as defined in an order-specific shop floor routing in the PEO system.
- Update the ERP production order if a rework operation has been added to the shop floor routing in the PEO system.

7.2 Extended Production Engineering

7.2.1 Enhancements to VEMP

A number of enhancements have been made to the Visual Enterprise Manufacturing Planner (VEMP), which are described in the Additional Details section.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PLM-VEP-VMP (<i>Visual Manufacturing Planner</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Working with Generic (Undefined) BOM Hierarchy Paths

When mapping the BOM hierarchy to the MRS during the EBOM to MBOM handover in an absolute occurrence scenario, you might have a situation where you need to map a BOM item in the context of the end item but you are not yet able to provide the complete path from the BOM root to the BOM item. To create the mapping, you need to allow undefined paths between the BOM root and the BOM item which wasn't possible in previous releases. From this release, using the new BAdI: Allowing and Disallowing BOM to MRS Mapping, you can now enable BOM to MRS mapping even if undefined BOM paths exist.

Changed Behavior for BOM to MRS Mapping for Released BOM Versions

From this release, you can map the BOM hierarchy to the MRS even for released BOM versions. This is the new standard behavior. If you want to restrict the mapping so that it is only allowed for non-released BOM versions, for example, you can implement the BAdI `EX_MPE_MRS_BOM_MAPPING_ALLOWED` (BAdI: Allowing and Disallowing BOM to MRS Mapping) and define what changes are allowed if the BOM version is released.

Enabling Non-Unitized Phantom Components for Unitized BOMs

In previous releases, you couldn't create a non-unitized phantom component in a unitized BOM. This means if the component is non-unitized, then you must not mark it as phantom so that you are able to create it within a unitized BOM. With the changes in the current release, the system allows phantom components which are also non-unitized within a unitized BOM.

Reusing Common Assemblies Across the Planning Scope

When manufacturing assemblies are reused, an error may occur in some cases due to a mismatch of the location of assembly. Due to this behavior, the production engineer is required to create a new MBOM alternative for such assemblies resulting in manufacturing execution having multiple alternative BOMs of common materials. This results in superfluous data in the system and unnecessary complexity in manufacturing execution.

The updates in the current release enable you to reuse a manufacturing synthetic subassembly initially created within a specific planning scope in the VEMP cockpit, making it available for reuse in other planning scopes.



To achieve this, there are the following new options available in VEMP:

- Load BOM without matching: Currently, in the target panel if you want to load the BOM by selecting a material that was planned in a different planning scope, the system automatically matches the instances with those in the source panel. In this release, you can now also choose to load the BOM for a material without matching instances.
- Match instances for a node: This option is available in the target panel menu. In cases where you load the BOM without matching instances, you can use this option to match instances manually, if required. Additionally, you can also push the node to the working panel even if it is locked. However, in this case the only option available in the working panel is [Resolve Discrepancy](#).

Flattening Phantom BOM with Multi-Level Object Dependency

The system supports the copying of object dependencies from a phantom BOM level to its lower-level components when the object dependency exists solely at a single level. You can now enable the flattening of the hierarchy for phantom BOMs with multi-level object dependencies by implementing the BAdI `BADI_MPE_EXBOM_OBJECT_DPNDCY` (BAdI: Create Object Dependency). The BAdI implementation is then responsible for concatenating the logical expressions of different BOM levels.

Effects on Customizing

- [Production](#) > [Manufacturing for Production Engineering and Operations](#) > [Business Add-Ins \(BAdIs\)](#) > [Production Engineering](#) > [Manufacturing Reference Structures](#) > [BAdI: Allowing and Disallowing BOM to MRS Mapping](#) 
Implement this BAdI if you want to allow the use of generic BOM hierarchy paths for BOM to MRS mapping.
By default no generic path is allowed.
Also use this BAdI to restrict the new standard mapping behavior if the BOM version is released.
- [Production](#) > [Manufacturing for Production Engineering and Operations](#) > [Business Add-Ins \(BAdIs\)](#) > [Converting Planning BOMs into Shop Floor BOMs](#) > [BAdI: Create Object Dependency](#) 
In this Customizing activity, you can enable the flattening of the BOM hierarchy for phantom BOMs with multi-level object dependencies.

Related Information

[Handling of Phantom Assemblies](#)

7.2.2 Monitor Snapshots - Engineering / Manufacturing

With this app, you can monitor the engineering and manufacturing snapshots for the products you're manufacturing. A number of enhancements have been made to manufacturing snapshots which are described in the Additional Details section.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SNP (Engineering and Manufacturing Snapshot)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Manufacturing Snapshots without MBOMs

You can now receive manufacturing packages from your external system (such as a PLM system) that only contain manufacturing process definition (MPD) files and no MBOM information. This was not possible in previous releases where the existence of an MBOM was mandatory. This means that you can now use the resulting manufacturing snapshots to create rework shop floor routings or reference templates, for example, which wasn't previously possible in the production integration portal (PiP). In the app, the system also displays the status of the PiP data preparation and change record preparation for these new manufacturing snapshots with no MBOMs, and if necessary, you can trigger the preparation process manually.

New Columns in the Documents Table

When you drill down into the manufacturing snapshot details page, you can now see the following new columns in the *Documents* table:

- *Routing Type* - Indicates the purpose of the manufacturing snapshot: Shop floor routing, reference operation set, reference operation, or reference operation activity.
- *Rework Routing* - Indicates whether the manufacturing snapshot is intended to create a rework shop floor routing or a reference rework template.

Related Information

[Production Integration Portal \(PiP\) \[page 157\]](#)

7.2.3 Consistency Check for BOM Items of the Category Text

BOM items of the category *Text* are not supported in communicating information to the production operator in the *Perform Operation Activity* app. Hence, a new consistency check has been implemented that prevents you from being able to create text items at BOM level while you create a BOM using the *Maintain Bill of Material* app, or version-controlled BOM APIs. The option to create text items while creating the version BOMs VEMP has also been removed. However, if you still require text items to pass on the information to the production engineer, you can use the BAdI implementation delivered with this release. Note that text items are not supported in downstream processes such as in shop floor routings or in execution. Hence, if you need to pass the information further, you need to use work instructions or attachments.

Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	Not applicable
Application Component	PP-PEO-BOM (Versioned Bill of Material API)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Customizing

► [Production](#) ► [Manufacturing for Production Engineering and Operations](#) ► [Business Add-Ins \(BADIs\)](#)
 ► [Version BOM APIs](#) ► [BAdI: Item Category: Text Item Check](#) ►

With this Customizing activity, you can enable the use of text items to communicate additional information from the design engineer to the production engineer.

7.2.4 Manage Change Records

With this feature, you can monitor the change process. The new features available in this release are described in the Additional Details section.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-CR (Manufacturing Change Record)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

New, changed, and enhanced features are available in following sections in the [Manage Change Records](#) app:

Manufacturing Snapshot

As you can now create a manufacturing snapshot with a manufacturing process definition (MPD) file without an MBOM, you can use it to create rework routings and reference templates. The table contains two new columns:

- [Routing Type](#) - Indicates the purpose of the manufacturing snapshot: Shop floor routing, reference operation set, reference operation, or reference operation activity.
- [Rework Routing](#) - Indicates whether the snapshot is intended to create a rework shop floor routing or a reference rework template.

The following features in this section have been enhanced:

- [Create New Routing](#) - In addition to being able to create a new shop floor routing using the manufacturing snapshot, you can now also create a new rework routing.
- [Create Routing Version](#) - In addition to being able to create new shop floor routing versions using the manufacturing snapshot, you can now also create new rework routing versions on receipt of a new snapshot revision.


Note

See Effects on Customizing for information on the new business add-in (BAI) available for defect code mapping. These defect codes are required for the creation of rework routings.


The following features in this section are new:

- [Create Reference Template](#) - You can now use the manufacturing snapshot to create a reference rework template, reference operation set, reference operation, or a reference operation activity.
- [Create Template Version](#) - You can now also use the manufacturing snapshot to update reference template versions or reference rework template versions on receipt of a new snapshot revision.

Shop Floor Routing

You can now also add the new column [Rework Routing](#) to the table of shop floor routings by choosing the  icon and selecting the corresponding entry. This means that you can now see whether a routing is a shop floor routing or a rework routing at a glance.

Shop Floor Routing Templates

You can now also add the new column [Rework Routing](#) to the table of shop floor routing templates by choosing the  icon and selecting the corresponding entry. This means that you can now see whether a reference template is of the type rework at a glance.

Manufacturing BOM

You can now create a new target shop floor routing for an MBOM by copying an already existing source shop floor routing. This might make sense if you have received a new MBOM from PLM, for example, which is to replace an already existing one. Most of the MBOM components as well as the process details are still valid. However, the new MBOM might contain new components/instances, changed components/instances, or maybe even some of the components/instances in the old MBOM have been deleted. Instead of having to go through the time-consuming process of creating a new shop floor routing from scratch, you can create the target routing for the new MBOM by referencing and copying the source routing. This option is available in the details screen of the change record in the [Manufacturing BOM](#) section. Select the appropriate MBOM and choose [Create New SFR From Source](#). During the copy process, the system maps the BOM components and instances of the new target MBOM to the operation activities of the referenced source shop floor routing.

Note

The advantage of this process over the copying of shop floor routings in the [Manage Shop Floor Routings](#) app is that during the copy process, the system also copies the component/instance assignments meaning that you don't have to maintain them again manually.

Flattening Phantom BOMs with Object Dependency

While updating a shop floor BOM from the [Manufacturing BOM](#) section, the system now supports the copying of the object dependencies from a phantom BOM level to its lower-level components when the object dependency exists solely at a single level. You can now also enable the copying of multi-level object dependencies by implementing the BAdI `BADI_MPE_EXBOM_OBDEP` (BAdI: Create Object Dependency). The BAdI implementation is then responsible for deriving the logical expressions for copying the multi-level object dependencies to the lower-level components.

Effects on Customizing

► [Production](#) ► [Manufacturing for Production Engineering and Operations](#) ► [Business Add-Ins \(BAdIs\)](#)
► [Production Engineering](#) ► [Shop Floor Routings](#) ► [BAdI: Mapping of Components/Instances When Creating SFR Using Source SFR](#) ►

You can implement this BAdI to define your own mapping logic to map component and component instance assignments to operation activities when creating a new routing for an MBOM using an already existing shop floor routing as the source. See BAdI documentation.

If you don't implement your own mapping logic, the system automatically uses the standard mapping logic whereby component/instance assignments are copied as long as the material ID, quantity, and reference designator information is identical.

► [Production](#) ► [Manufacturing for Production Engineering and Operations](#) ► [Business Add-Ins \(BAdIs\)](#)
► [Production Engineering](#) ► [Production Integration Portal \(PiP\) Data](#) ► [BAdI: Direct Assignment for Defect](#) ►

In this Customizing activity, you can enable the flattening of the hierarchy by mapping source item values with the target defect codes. These defect codes are required to create rework shop floor routings or rework templates in the PiP workspace of the shop floor routing.

► [Production](#) ► [Manufacturing for Production Engineering and Operations](#) ► [Business Add-Ins \(BAdIs\)](#)
► [Converting Planning BOMs into Shop Floor BOMs](#) ► [BAdI: Create Object Dependency](#) ►

In this Customizing activity, you can enable the flattening of the hierarchy for phantom BOMs with multilevel object dependencies.

Related Information

[Production Integration Portal \(PiP\) \[page 157\]](#)

[Processing Options in the Manufacturing Snapshots Section](#)

7.2.5 Creating a New Target SF Routing From a Source SF Routing

With this feature, you can now create a new target shop floor routing for an MBOM by copying an already existing source shop floor routing. The new feature is now available in the [Manage Change Records](#) app. See the Additional Details section for more information.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-CR (Manufacturing Change Record)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

You might want to use this feature if you have received a new MBOM from PLM, for example, which is to replace an already existing one. Most of the MBOM components as well as the process details are still valid. However, the new MBOM might contain new components/instances, changed components/instances, or maybe even some of the components/instances in the old MBOM have been deleted. Instead of having to go through the time-consuming process of creating a new shop floor routing from scratch, you can create the target routing for the new MBOM by referencing and copying the source routing. This option is available in the details screen of the change record in the [Manufacturing BOM](#) section. Select the appropriate MBOM and choose [Create New SFR From Source](#). During the copy process, the system maps the BOM components and instances of the new target MBOM to the operation activities of the referenced source shop floor routing.

Note

The advantage of this process over the copying of shop floor routings in the [Manage Shop Floor Routings](#) app is that during the copy process, the system also copies the component/instance assignments meaning that you don't have to maintain them again manually.

Effects on Customizing

► [Production](#) ► [Manufacturing for Production Engineering and Operations](#) ► [Business Add-Ins \(BAdIs\)](#)
► [Production Engineering](#) ► [Shop Floor Routings](#) ► [BAdI: Mapping of Components/Instances When Creating SFR Using Source SFR](#) ►

You can implement this BAdI to define your own mapping logic to map component and component instances to operation activities when creating a new target routing for an MBOM using an already existing shop floor routing as the source. See BAdI documentation.

If you don't implement your own mapping logic, the system automatically uses the standard mapping logic whereby component/instance assignments are copied as long as the material ID, quantity, and reference designator information is identical.

Related Information

- [Manage Change Records \[page 151\]](#)
- [How to Create a New SF Routing From a Source SFR](#)

7.2.6 Analyze Change Impact

With this feature, you can now analyze the impact of engineering changes made to subcontracting orders in the *Analyze Change Impact* app. The app provides network graphs to help you understand the relationships between potentially impacted manufacturing objects and allows you to take immediate action where necessary.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-ACI (<i>Analyze Change Impact</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

7.2.7 Manufacturing Reference Structures (MRS)

A manufacturing reference structure (MRS) is a separate hierarchy of information that can be linked to the BOM hierarchy to provide additional contextual information for BOM components during production processes. PEO can establish these links between the BOM and MRS hierarchy. From this release, you can now define whether you want to enable the system to create generic paths instead of fully specified paths in an absolute occurrence scenario. More information is provided in the Additional Details section.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-MRS (Manufacturing Reference Structure)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Generic (Undefined) BOM Hierarchy Paths

When mapping the BOM hierarchy to the MRS, you might have a situation where you want to map a BOM item in the context of the end item but you are not yet able to provide the complete path from the BOM root to the BOM item. To create the mapping, you need to be able to create an undefined path between the BOM root and the BOM item which wasn't possible in previous releases. You can now enable this by implementing the BAdI `EX_MPE_MRS_BOM_MAPPING_ALLOWED` (BAdI: Allowing and Disallowing BOM to MRS Mapping).

Note

By default no generic path is allowed. To enable the feature, you need to create the BAdI implementation and make the necessary specifications that suit your requirements.

Changed Behavior

From this release, mapping is now generally allowed for released BOM versions. This is the new standard behavior. If you want to restrict this behavior again, you can implement the BAdI `EX_MPE_MRS_BOM_MAPPING_ALLOWED` (BAdI: Allowing and Disallowing BOM to MRS Mapping) and define what changes you want to allow if the BOM version is released.

Effects on Customizing

► [Production](#) ► [Manufacturing for Production Engineering and Operations](#) ► [Business Add-Ins \(BAdIs\)](#)
► [Production Engineering](#) ► [Manufacturing Reference Structures](#) ► [BAdI: Allowing and Disallowing BOM to MRS Mapping](#) ►

In this customizing activity, you can create a Business Add-In (BAdI) implementation to enable the use of generic paths to support a unique absolute occurrence scenario when creating BOM to MRS mapping. You can define rules to control when the system is to create a generic path and when a complete specified path is to be used for the mapping. In addition, you can define what changes to the mapping are allowed if the BOM version is released.

For detailed information, see the BAdI documentation in the system and refer to the example implementation.

7.2.8 Production Integration Portal (PiP)

With this feature, you can integrate various kinds of files from an external system to SAP S/4HANA PEO and subsequently use these source files in production engineering when creating the shop floor routing. Several enhancements have been made to the PiP which are listed in the Additional Details section of this document.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-PIP (<i>Production Integration Portal</i>)
Valid as Of	SAP S/4HANA 2023 FPS1

Additional Details

New, changed, and enhanced features are available for the production integration portal (PiP):

- You can now create a manufacturing snapshot that contains a manufacturing process definition (MPD) but no MBOM or visual documents. You can use such a snapshot to create rework routings or reference templates, for example. In previous releases, it wasn't possible to create rework routings or reference templates using the production integration portal.
- If you have setup an automated process for handing over the MPD file, you can adjust the workflow so that it still works if the manufacturing snapshot doesn't contain an MBOM. You have two options:
 - You can create two separate workflows: One for manufacturing snapshots with MBOMs for which the creation of a production version is required and one for manufacturing snapshots without MBOMs for which the step for creating production versions is removed.
 - You can instruct the system to use the same workflow to cover both cases. If the manufacturing snapshot doesn't contain an MBOM, it automatically skips the step for creating the production version without issuing any error but still continues to release the change record.
- You can now include defects (required for rework routings), header documents, and logical components in the source PiP file and hand these objects over to the shop floor routing, rework routing, or reference template in the PiP workspace as long as you have also maintained the necessary mapping information in Customizing.
- The extended quality check (EQC) indicator is now also available as an attribute in Customizing and can be set in the PiP for operation activities and inspection characteristics.

Effects on Customizing

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

In this Customizing activity, you maintain the settings required to map the PiP source file content with the PEO target object of the shop floor routing. You can now define mapping settings for defects, logical components, and header documents. In addition, the extended quality check (EQC) indicator is now available as an attribute in the PiP customizing settings.

► [Production](#) ► [Manufacturing for Production Engineering and Operations](#) ► [Business Add-Ins \(BAdIs\)](#)
► [Production Engineering Production Integration Portal \(PiP\)](#) ►

This Customizing activity contains the following new BAdIs:

- [BAdI: Direct Assignment for Defect](#)
Implement this Business Add-In (BAdI) if you want to create a new defect code using data from a PiP source file. You can also implement a 1:0 or a 1:n logic.
You also implement this BAdI if you want to use data from a source item in the PiP file when creating a defect code.
- [BAdI: Direct Assignment for Header Document](#)
Implement this BAdI if you want to create a new shop floor routing header document using data from a PiP source file. You can also implement a 1:0 or a 1:n logic.
You also implement this BAdI if you want to use data from a source item in the PiP file when creating a routing header document.
- [BAdI: Direct Assignment for Logical Component](#)
Implement this BAdI if you want to create a logical component using data from a PiP source file. You can also implement a 1:0 or a 1:n logic.
You also implement this BAdI if you want to use data from a source item in the PiP file when creating a logical component.

Related Information

[Monitor Snapshots - Engineering / Manufacturing \[page 149\]](#)
[Settings for Automatic MPD File Handover](#)

7.2.9 Material Variants

With this feature, material variants for configurable products have been enabled for SAP S/4HANA Manufacturing for production engineering and operations. For more information, see the Additional Details section.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO (Manufacturing Engineering Cockpit)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

With this feature, you can now use version-controlled BOMs and shop floor routings for configurable products to create material variants.

- First, you need to create a separate material master for the material variant.

Note

In the [MRP 3](#) view, you need to enter the configurable material and configure the variant. The system automatically sets the [Variant](#) checkbox.

- Secondly, you need to create a production version for the material variant in the [Manage Production Versions](#) app. In the production version, you enter the version BOM and shop floor routing of the configurable material.

Note

In the [Production](#) section of the production version, the system displays the relevant configurable product for information purposes.

When you create a production order for the material variant using the corresponding production version, the system filters out the unnecessary components according to the material variant's configuration.

Related Information

[Material Variants](#)

[Manage Production Versions \[page 167\]](#)

7.2.10 Data Migration for PEO Routings and Templates

With this feature, you can perform migration tasks for PEO routings and templates using the migration report MPE_RTG_DATA_MIGRATION. A new migration task is available in this release that you need to run before

working with shop floor routings, rework routings, order-specific shop floor routings, and reference templates. During the migration task, the system performs a technical migration of a database table in preparation of the new *Extended Quality Check* functionality now available for shop floor routing operation activities and inspection characteristics.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-MIG (Migration of BOMs and Routings)
Valid as Of	SAP S/4HANA 2023 FPS01

7.2.11 Manage Templates - For Shop Floor Routings

With this feature, you can create and manage your shop floor routing templates. You can now use new features that are available for reference templates. See Addition Details section for more information.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFR (Shop Floor Routing)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

New, changed, and enhanced features are available in the Manage Templates app:

- The layout of the creation screen has been optimized (transaction MSFR24):
 - The [Plant](#) field has been moved to the new [Template Data](#) section.

- In the [Material Data](#) section, you define whether the reference template is relevant for serialized or non-serialized products.
- The new section [Snapshot Data](#) has been added so that you can enter a snapshot and snapshot revision with which you want to create the reference template.
- You can now create a manufacturing snapshot that contains a manufacturing process definition (MPD) but no MBOM or visual documents. You can use such a snapshot to create a reference template or reference rework template. In the creation screen (transaction `MSFR24`), you can enter the snapshot ID and revision. When you proceed to create the template, you can see from the PiP assignment column that it has been created using a direct assignment of a PiP source file. Navigate to the PiP workspace to perform the handover of the source items to the template structure.

📘 Note

You can also trigger the creation of a reference template or reference rework template from the [Manufacturing Snapshots](#) section in the change record. In addition, if a new snapshot revision is available, you can create new versions for all impacted templates. For more information, see [Processing Options in the Manufacturing Snapshots Section](#).

- You can now change multiple operations and operation activities using mass-enabled functions. See [Changing Mass Operations and Operation Activities for Shop Floor Routings \[page 166\]](#).

Related Information

[Manage Change Records \[page 151\]](#)

7.2.12 Manage Shop Floor Routings

With this feature you can create and manage your shop floor routings. You can now use new features that are available for maintaining shop floor routings.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFR (Shop Floor Routing)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

New, changed, and enhanced features are available in the [Manage Shop Floor Routings](#) app:

Miscellaneous

- The layout of the screen for creating shop floor routings and rework routings (transaction MSFR1) has been optimized:
 - The [Plant](#) field has been moved to the new [Shop Floor Routing Data](#) section.
 - In the [Material Data](#) section, you define whether the shop floor routing or rework routing is relevant for serialized or non-serialized products. Here, you can also enter the material and MBOM information.
 - In the [Snapshot Data](#) section, you can enter a snapshot and snapshot revision with which you want to create the shop floor routing or rework routing.

Mass Changes for Operations and Operation Activities

You can now change multiple operations and operation activities using mass-enabled functions for shop floor routings. See [Changing Mass Operations and Operation Activities for Shop Floor Routings \[page 166\]](#).

Header Documents

You can assign documents to the shop floor routing header in the details workspace, in the [Header Documents](#) tab. This means that you can now assign important information that is applicable to all the operation activities in the shop floor routing. It might refer to general handling instructions for the header material, the production environment, or the production process itself such as:

- General health and safety instructions.
- The handling of dangerous goods, machines, and tools.
- Specific customer requirements.

The header document is also taken into consideration in the change history of the shop floor routing.

→ Tip

You can navigate to the [Display Document](#) either by using the transaction CV03N directly in the system and entering the document ID or by clicking the document ID in the [Header Documents](#) tab. Here, choose [Object Links](#). The system displays a selection of tabs depending on your system configuration. Select the tab that is relevant for shop floor routings (the exact name of the tab depends on your customizing settings). In this tab, the system displays a list of all shop floor routings that have referenced this document. See the [Effects on Customizing](#) section for more information.

See also [How to Assign Documents to the Shop Floor Routing Header](#).

Work Instructions

- In the interactive work instructions, the table that is created for PRTs now contains the new column [Registration Data](#). This column contains the input fields for the PRTs where you enter the serial number, equipment number, and Ull in the case of the equipment registration type and the quantity in the case of the quantity-based registration type. This one new column replaces several previous columns in the table and improves readability. This means that, in the [Perform Operation Activity](#) app, this is now a value help field instead of a dropdown list.

Inspection Characteristics (ICs)

- **Extended Quality Checks**

You can now define that, in certain circumstances, additional quality checks are required. For example, you want to validate a new process or a particular customer requires additional quality checks to comply with special regulations. These extra inspection characteristics are defined in dedicated operation activities or in additional inspection characteristics which are included in the shop floor order if the *Order is EQC Relevant* checkbox is set in the *Control* tab.

For more information, see [Setting up Extended Quality Checks](#).

- **Enable Change History for Remarks**

By selecting the *RR Change Documents* checkbox in the *Miscellaneous* section, you can enable the recording of a change history for IC remarks which are documented in the production action log. The system records the history for the first 40 characteristics of the remark. If the production operator on the shop floor enters a remark that is longer than 40 characters, the complete latest version of the remark is available in the *Notes* field of the production action log.

The change history is only available if you have made the necessary setting in Customizing.

- **Copy ICs with PRTs - Changed Behavior**

In this release, enhancements are now available to facilitate the copying of ICs with test equipment if this equipment is not yet available in the operation activity to which you are copying the ICs. Using this new feature, you can copy several ICs from the same or a different shop floor routing or template and instruct the system to copy any PRTs that are assigned to the ICs to be copied as test equipment.

For more information, see [How to Copy Inspection Characteristics](#).

- **Input Processing**

You can now assign input processing to your inspection characteristics to inform the production operator in execution which formula to use to define a particular measurement during result recording.

For more information, see [How to Assign Input Processing to Inspection Characteristics](#).

Rework Routing

- To create the rework routing, you choose the *Create* button in the shop floor routing entry workspace. There is no dropdown list any more in which you can choose shop floor routing or rework routing. By choosing the *Create* button, the system takes you directly to the *Create Shop Floor Routing* screen where you can determine that you want to create a rework routing by selecting the corresponding checkbox in the *General Data* section.
- You can now create a manufacturing snapshot that contains a manufacturing process definition (MPD) but no MBOM or visual documents. You can use such a snapshot to create a rework routing. In the creation screen (transaction MSFR1), you can enter the snapshot ID and revision. When you proceed to create the rework routing, you can see from the PiP assignment column that the rework routing has been created using a direct assignment of a PiP source file. Navigate to the PiP workspace to perform the hand over of the source items to the routing structure.

Note

You can also trigger the creation of a rework routing from the *Manufacturing Snapshots* section in the change record. In addition, if a new snapshot revision is available, you can create new versions for all impacted rework routings. For more information, see [Processing Options in the Manufacturing Snapshots Section](#).

Effects on Customizing

► [Cross-Application Components](#) ► [Document Management](#) ► [Control Data](#) ► [Define DMS Document Types](#) ►

In this Customizing activity, you define the document types that you want to enable to be used as header documents in the shop floor routing. Select the document type in the table and go to the [Define object links](#) table. Here, assign the object PLVK to the document type along with the screen number 500.

📌 Note

To be able to select the object [PLKV](#) from the field help in the [Define object links table](#), you first need to have created the object along with its description in the [Maintain object links description](#) table. This description is also used in the [Display Documents](#) (CV03N) transaction as the tab header listing all the shop floor routings to which a particular document is assigned.

► [Quality Management](#) ► [Basic Settings](#) ► [Maintain Settings at Plant Level](#) ►

In this Customizing activity, go to the plant-dependent QM settings for the relevant plant. Click the [Results Recording](#) tab and make sure that the [Immediate Creation of Change Docs](#) checkbox is selected. This setting controls whether the system records a change history for the first 40 characters of the remarks that you enter for the inspection characteristics in the [Perform Operation Activity](#) app. The change history information is available in the production action log.

⚠️ Caution

This checkbox is not set by default. SAP recommends that you only change this default setting if you really need to track the changes made to the remarks for the inspection characteristics.

Related Information

[Extended Quality Checks in Execution \[page 180\]](#)

[Remarks for Inspection Characteristics with Change History \[page 183\]](#)

7.2.13 Manage Order-Specific Shop Floor Routings

With this feature you can create and manage your order-specific shop floor routings. You can now use new features that are available for maintaining order-specific shop floor routings.

Technical Details

Type	Changed
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Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFR (Shop Floor Routing)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

New, changed, and enhanced features are available in the [Order-Specific Shop Floor Routings](#) app:

Miscellaneous Features

In the MBOM comparison mode, you can now transfer components of the item category [Reference](#) if such a component exists in the new MBOM version (B) but not yet in the MBOM version (A) associated with the order-specific routing. In past releases this was not possible and the [Transfer](#) button was not active.

Mass Changes for Operations and Operation Activities

You can now change multiple operations and operation activities using mass-enabled functions for order-specific shop floor routings. See [Changing Mass Operations and Operation Activities for Shop Floor Routings \[page 166\]](#).

Header Documents

You can now assign documents to the shop floor routing header meaning that you can assign important information that is applicable to the complete shop floor routing. This document link is copied to the shop floor order and is also available in the order-specific shop floor routing where you can also add new document links at header level or change existing ones.

Note

Any document links that were created in the shop floor order or that come from the production version are not available in the order-specific shop floor routing.

Work Instructions

In the interactive work instructions, the table that is created for PRTs now contains the new column [Registration Data](#). This column contains the input fields for the PRTs where you enter the serial number, equipment number, and Ull in the case of the equipment registration type and the quantity in the case of the quantity-based registration type. This one new column replaces several previous columns in the table and improves readability.

Inspection Characteristics (ICs)

- **Extended Quality Checks**

Depending on the editability of the operation activity, you can add additional inspection characteristics that are relevant for extended quality checks for the operation activity in the order-specific shop floor routing. You can compare order specific shop floor routings for production orders that are EQC relevant. When comparing an order specific routing for a production order without EQC, the system filters out EQC enabled operation activities or inspection characteristics from the master shop floor routing.

For more information, see [Setting up Extended Quality Checks](#)

- **Copy ICs with PRTs - Changed Behavior**
In this release, enhancements are now available to facilitate the copying of ICs with test equipment if this equipment is not yet available in the operation activity to which you are copying the ICs. Using this new feature, you can copy several ICs from the same or a different shop floor routing or template and instruct the system to copy any PRTs that are assigned to the ICs to be copied as test equipment.
For more information, see [How to Copy Inspection Characteristics](#).
- **Input Processing**
You can now assign input processing to your inspection characteristics to inform the production operator in execution which formula to use to define a particular measurement during result recording.
For more information, see [How to Assign Input Processing to Inspection Characteristics](#).

Related Information

[Extended Quality Checks in Execution \[page 180\]](#)

7.2.14 Changing Mass Operations and Operation Activities for Shop Floor Routings

With this feature, you can now change multiple operations and operation activities (OAs) using mass-enabled functions for shop floor routings, order-specific shop floor routings, and reference templates. These new functions are available in the [Change](#) button in the structure workspace. More information is provided in the Additional Details section.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFR (Shop Floor Routing)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

In the structure workspace, a mass change option for operations and operation activities is now available:

- Select the routing header or an operation in the structure workspace and choose ► [Change](#) ► [Change Multiple Operations](#) ►. The system displays a table displaying all the operations that are available for the shop floor routing. Make the necessary changes and choose [OK](#).
- Select an operation in the structure workspace and choose ► [Change](#) ► [Change Multiple OAs \(Sub Level\)](#) ► or select an operation activity and choose ► [Change](#) ► [Change Multiple OAs \(Same Level\)](#) ►. The system displays a table displaying all the operation activities that are available under the operation. Make the necessary changes and choose [OK](#).

7.2.15 Mass Creation of Operation Activities - Feature Deprecation Announcement

The feature for the mass creation of operation activities currently available in the [Add Operation Activity](#) dialog box using **##** and specifying the number of OAs to be created in the [Create OAs](#) field will be removed from SAP S/4HANA OP 2023 FPS02 release. The feature to replace the old functionality has already been implemented. You can find it in the dropdown list of the [Add](#) button in the structure workspace. Here, the two options [Add Multiple Operations](#) and [Add Multiple Operation Activities](#) are available. This new mass creation feature is available for all shop floor routing types. SAP recommends that you now only use the new feature.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFR (Shop Floor Routing)
Valid as Of	SAP S/4HANA 2023 FPS01

7.2.16 Manage Production Versions

This app provides you with a complete overview of your production versions. You can monitor those production versions for which you are responsible and identify any that contain consistency errors. For each production version, you can drill down into the details page and update information as required. The app has been enhanced with a number of new features, which are described in the Additional Details section.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-PV (Production Version)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following new and changed features are available:

MBOM Maturity Level

Information on the BOM status is now available in the [Manage Production Versions](#) app. In the [Version Details](#) table, you can add a new column showing the BOM status. This status provides information on the maturity level of the BOM indicating whether it is ready for planning only or for planning and execution. You can also drill down into the production version details screen where this information is now also available. If the BOM in the production version is relevant for planning, it can only be used to create planned orders. If it is relevant for both planning and execution, it can also be used to convert the planned orders into production orders.

[Version Details](#) Table

The system behavior has changed when you update a production version if you are working with a material with unitized parameter effectivity. In this case, there can always only be one valid production version. When you create a new version of the MBOM and shop floor routing and update the production version, the system overwrites the existing MBOM and shop floor routing versions with the new ones. The valid from date is not changed in this case but remains set at the creation date of the production version. Therefore, the [Version Details](#) table is redundant and has been removed in this case.

Material Variants

Material variants are now supported in SAP S/4HANA PEO. This means that you can use the new [Configurable Material](#) filter in the app to search for all production versions of material variants that exist for a particular configurable material. In addition, when creating a new production version in the details screen, the system automatically displays the configurable material in the [Production](#) section when you enter a material variant.

Related Information

[Maturity Levels for Version-Controlled MBOMs](#)
[Material Variants \[page 158\]](#)

7.3 Extended Production Process Setup

7.3.1 Enhanced Action Handler for PRT Registration

With the action handler `CHECK_PRT_REGISTRATION`, you can instruct the system to check that all planned PRTs required to perform an operation activity have been registered before setting the status to complete. This check has been enhanced to take quantity-based PRT registration into account by checking that the registered quantity is equal to or greater than the planned quantity. The system can't complete the operation activity until both equipment and quantity-based PRT registration have been completed.


Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFE (<i>Shop Floor Execution</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

7.4 Extended Production Operations

7.4.1 Production Control

7.4.1.1 Assign Work

With this feature, you can now see which operation activities belong to shop floor orders that are relevant for extended quality checks when working in this app. You can adapt the app filters and insert the *EQC Relevant Order* filter and you can add the corresponding column to the table of operation activities by selecting the  icon and selecting the *EQC Relevant Order* column. See the Additional Details section for information about changes to the *Operation Activity Assignments* screen.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFE (Shop Floor Execution)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following changes have been made to the Operation Activity Assignments screen:

- Documents are no longer available as a screen section but in a dedicated [Documents](#) button at the top right-hand side of the screen.
- The [Defects](#) section has been removed from this screen as in future, this screen will display planned data only.

Related Information

[Extended Quality Checks in Execution \[page 180\]](#)

7.4.1.2 Manage Production Orders

This app enables you to monitor the progress of production and manage your production orders. Some use new features are available for this app.


Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	PP-PEO-SFO (<i>Shop Floor Order Management</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

You can now:

- Add the new *EQC Relevant Order* filter to the initial screen to show which shop floor orders are relevant for extended quality checks (EQC). By entering the value *Yes* in this filter and choosing *Go*, the system displays all shop floor orders that are relevant for EQC in the table. You can also add the corresponding column to the table of orders by selecting the  icon and selecting the *EQC Relevant Order* column.
- The *Order Information* tab of the details screen contains the new *Execution Control* section in which you can find the processing information (sequential or flexible) and the quality check information (standard or extended).

Related Information

[Extended Quality Checks in Execution \[page 180\]](#)

7.4.1.3 Manage Production Operations

This app enables you to monitor the progress of production. Some smaller changes have been made to it which are described in the Additional Details section.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFO (<i>Shop Floor Order Management</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following changes have been made to the Operation Activity Assignments screen:

- Documents are no longer available as a screen section but in a dedicated [Documents](#) button at the top right-hand side of the screen.
- The [Defects](#) section has been removed from this screen as in future, this screen will display planned data only.

7.4.2 Production Execution

7.4.2.1 Perform Operation Activity

This app enables you to perform the operation activities assigned to you by your production supervisor. It has been enhanced with a number of new features, which are described in the Additional Details section.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFE (Shop Floor Execution)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Miscellaneous Features

In the [Components](#) section, the assembly type [Manual](#) has been replaced by the new term [Quantity-Based](#).

Header Documents

If a document was linked to the header of the shop floor routing, it is relevant for all operation activities in the shop floor order. The [Documents](#) tab on the right-hand section of the [Perform Operation Activity](#) app displays these header documents as well as any other documents that were created specifically for the operation activity, the order, or the production version.

Extended Quality Checks (EQC)

If the shop floor order is relevant for extended quality checks, this is indicated in the header data of the operation activity. The information [EQC Relevant Order](#) is displayed and is highlighted for visibility. In this case, the production operator immediately recognizes that additional inspections will be required.

For more information, see [Extended Quality Checks in Execution \[page 180\]](#).

PRT Registration

You can now use the new serialization procedure for the serial number profile to determine whether you want to perform a quantity-based or equipment registration for material and equipment PRTs. See [Effects on Customizing](#) for details.

Adding Unplanned PRTs

The app now enables you to register unplanned PRTs of the categories [Equipment](#) and [Material](#):

- Equipment registration - enter or use the search help to find the appropriate equipment ID, serial number, or Ull. The registration quantity in this case is always 1.
- Quantity-based registration - enter or use the search help to find the appropriate material PRT. In an additional dialog box, enter the quantity that you want to register and choose [Register](#).

Note

This feature is now also available in the interactive work instructions.

The column [Registration Type](#) has been added to the PRTs section and shows whether the tool registration is performed based on the equipment or a quantity. This is displayed for information purposes only and can't be changed here.

→ Tip

The action handler `CHECK_PRT_REGISTRATION`, which is triggered when setting an operation activity to the status [Completed](#) in this app, has also been enhanced to take quantity-based PRT registration into account by checking that the registered quantity is equal to or greater than the planned quantity.

For more information, see [How to Register Unplanned PRTs](#).

Inspection Characteristics

- In the app, you can now also add an unplanned inspection characteristic (IC) in the [Data Collection](#) section as long as at least one inspection characteristic already exists. If no IC exists, the [Data Collection](#) section is not available and, in this case, you need to create an order-specific shop floor routing to add unplanned ICs.
For more information, see [Adding Unplanned Inspection Characteristics in Execution \[page 182\]](#).
- You can now also trigger the creation of a change history for the inspection characteristics remarks which is available in the production action log. The change history is recorded for the first 40 characters of the remark. If the remark is longer than 40 characteristics, you can see the complete remark in the [Notes](#) column. Here, no change history is available - the system only displays the latest version of the text.

Note

The change history for the first 40 characters of the remark is only available if you have made the necessary settings in Customizing and the [RR Change Documents](#) checkbox was selected in the [Control Indicator](#) page of the inspection characteristic.

For more information, see [Remarks for Inspection Characteristics with Change History](#) [page 183].

Interactive Work Instructions

- You can now also register unplanned PRTs (quantity-based and equipment) when collecting data in the interactive work instructions.
For more information, see [How to Register Unplanned PRTs](#)
- You can now also add unplanned inspection characteristics in the interactive work instructions as long as at least one inspection characteristic already exists. If no inspection characteristics exist, you need to create an order-specific shop floor routing to add the unplanned inspection characteristic.
For more information see, [How to Add Unplanned Inspection Characteristics \(ICs\)](#).
- The PRTs table now contains the new column *Registration Data*. This column contains the input fields for the PRTs where you enter the serial number, equipment number, and Ull in the case of the equipment registration type and the quantity in the case of the quantity-based registration type. This one new column replaces several previous columns in the table and improves readability.

Effects on Customizing

► [Logistics - General](#) ► [Product Lifecycle Management \(PLM\)](#) ► [Plant Maintenance and Customer Service](#)
► [Master Data in Plant Maintenance and Customer Service](#) ► [Technical Objects](#) ► [Serial Number Management](#)
► [Define Serial Number Profiles](#) ►


In this customizing activity, you can configure whether registration for material or equipment PRTs is performed by quantity or equipment on the shop floor.

For more information, see [Settings for Serialization - PRT Registration](#).

► [Production](#) ► [Manufacturing for Production Engineering and Operations](#) ► [General Settings](#) ► [Define Number Ranges](#) ►

In this customizing activity, you can now define a number range for PRT registration.

7.4.2.2 My Work Queue

When working in this app, you can now see which operation activities belong to shop floor orders that are relevant for extended quality checks. You can adapt the app filters and insert the *EQC Relevant Order* filter and you can add the corresponding column to the table of operation activities by selecting the  icon and selecting the *EQC Relevant Order* column. See Additional Details section for information about changes to the *Operation Activity Assignments* screen.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFE (<i>Shop Floor Execution</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following changes have been made to the Operation Activity Assignments screen:

- Documents are no longer available as a screen section but in a dedicated [Documents](#) button at the top right-hand side of the screen.
- The [Defects](#) section has been removed from this screen as in future, this screen will display planned data only.

Related Information

[Extended Quality Checks in Execution \[page 180\]](#)

7.4.2.3 RFC-Enabled Function Modules for PRT Registration

You can now use two remote-enabled function modules to post the registration of equipment and quantity-based PRTs in the system without any user action. In a machine integration scenario, the machine or equipment on the shop floor can remotely trigger the respective function module, which then executes the equipment or quantity-based PRT registration action in the system based on the import parameters.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	Not applicable
Application Component	PP-PEO-SFE (Shop Floor Execution)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Technical name of the RFC-enabled function modules:

- MPE_OA_EXEC_PRT_REGN_EQUIPMENT ([Post Registration of Equipment PRT](#))
- MPE_OA_EXEC_PRT_REGN_MATL_QTY ([Post Registration of Material PRT](#))

For detailed information, see the function module documentation in the system.

Related Information

[Integration with Smart Tools and Machines](#)

7.4.2.4 Serialization Procedure for Tool Registration in Shop Floor Orders

A new serialization procedure for tool registration (PPTR) is available. It allows you to control how the system handles the registration type of PRTs on the shop floor during tool registration. You use the serialization procedure of the serial number profile to determine whether you want to perform a quantity-based or equipment registration for material and equipment PRTs. You assign the serial number profile to the material master record of the equipment and material PRTs.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-TTU (Track Tool Usage)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

For the new serialization procedure *Shop Floor Order Tool Registration* (PPTR), you can set the serial number usage to either 01 (None) or 03 (Obligatory). You can configure this setting in Customizing for *Logistics - General* under ► *Product Lifecycle Management (PLM)* ► *Plant Maintenance and Customer Service* ► *Master Data in Plant Maintenance and Customer Service* ► *Technical Objects* ► *Serial Number Management* .

In the *Perform Operation Activity* app the registration type is:

- Quantity-based if you set the serial number usage in PPTR to 01 (None). In this case, you register a quantity.
- Equipment if you set the serial number usage in PPTR to 03 (Obligatory). In this case, you register the serial number or equipment number.

⚠ Caution

If you don't add serialization procedure PPTR to the serial number profile, the system sets the registration type to Equipment for all material and equipment PRTs in the *Perform Operation Activity* app.

7.4.2.5 Process Serial Number Groups

This app enables you to collectively process any number of serial numbers as a group at an operation activity in the segment type *Produce*. Several enhancements are available as described in the Additional Details section.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFE (<i>Shop Floor Execution</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Register Unplanned PRTs

In this app, you can now register unplanned PRTs collectively for all serial numbers in the group as long as the status of the group is in process. The system records the data in the system as if you performed these actions

for each serial number individually. You can register unplanned PRTs of the registration type equipment and quantity-based:

- For equipment-based registration, you register the serial number or Ull of the equipment - registration in this case is always for 1ea.
- For quantity-based registration, you enter the ID of the PRT and specify the quantity used.

Note

Whether a PRT is relevant for equipment or quantity-based registration depends on the serial number profile assigned to it in the material master. See the [Effects on Customizing](#) section for details.

Information on the registration of unplanned PRTs is available in the [Production Action Log](#) as well as in the Product and Order Genealogy apps.

Note

The action settings configured for PRT registration in the [Manage Action Settings](#) app also take effect when you register unplanned PRTs for serial number groups.

Additional Consistency Check for Serial Number Groups

A new consistency check is now available to determine whether the documents attached to the shop floor orders at header level are identical for all group members when creating a serial number group containing operation activities from different orders. See Effects on Customizing.

Caution

If you change a header document for a production order (in CO02) that is already part of a serial number group, this change might not be reflected in execution. When changing the document, the system issues a warning. If you don't always want to have to accept this warning, you can switch it off in customizing.

Effects on Customizing

► [Logistics - General](#) ► [Product Lifecycle Management \(PLM\)](#) ► [Plant Maintenance and Customer Service](#) ► [Master Data in Plant Maintenance and Customer Service](#) ► [Technical Objects](#) ► [Serial Number Management](#) ► [Define Serial Number Profiles](#) ►

In this customizing activity, you define the serialization procedure of the serial number profile to determine whether you want to perform a quantity-based or equipment registration for material and equipment PRTs in execution. For details, see [Serialization Procedure for Tool Registration in Shop Floor Orders \[page 176\]](#).

► [Production](#) ► [Manufacturing for Production Engineering and Operations](#) ► [Business Add-Ins \(BADIs\)](#) ► [Production Operations](#) ► [Serial Number Groups](#) ► [BAdI: Additional Checks When Creating or Changing SN Groups](#) ►

The new default implementation class is provided (CL_MPE_SFI_GRP_CHK_DOC_LNKS) that checks whether the documents attached to the shop floor orders are identical for all group members when creating a serial number group containing operation activities from different orders.

7.4.2.6 RFC-Enabled Function Modules for PRT Registration for Serial Number Groups

You can now use remote-enabled function modules to post the registration of equipment and quantity-based PRTs for serial number groups in the system without any user action. In a machine integration scenario, the machine or equipment on the shop floor can remotely trigger the respective function module, which then executes the equipment or quantity-based PRT registration action for the serial number group in the system based on the import parameters.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFE (<i>Shop Floor Execution</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Technical name of the RFC-enabled function modules:

- MPE_OA_SFI_GROUP_READ (*Read Serial Number Group*)
- MPE_OA_SFI_GRP_PRT_REGN_EQUIP(*Post Registration of Equipment PRT for Serial Number Group*)
- MPE_OA_SFI_GRP_PRT_REGN_MATL(*Post Registration of Material PRT for Serial Number Group*)

For detailed information, see the function module documentation in the system.

Related Information

[Integration with Smart Tools and Machines](#)

7.4.2.7 Perform Operation

With this app, you can have a complete overview of the operation activities in a specific operation of a shop floor order. You can drill down to view detailed information about operation activity assignments. Some minor changes have been made to this details screen: Firstly, the documents are no longer available as a screen

section but in a dedicated [Documents](#) button at the top right-hand side of the screen. And secondly, the [Defects](#) section has been removed from this screen as in future, this screen will display planned data only.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFE (Shop Floor Execution)
Valid as Of	SAP S/4HANA 2023 FPS01

7.4.3 Quality Management

7.4.3.1 Extended Quality Checks in Execution

For shop floor orders, you can now define that, in certain circumstances, additional quality checks are required. For example, you want to validate a new process or a particular customer requires additional quality checks to comply with special regulations. These extra inspection characteristics are defined in dedicated operation activities or in additional inspection characteristics which are included in the shop floor order if the [Order is EQC Relevant](#) checkbox is set in the [Control](#) tab.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFE (Shop Floor Execution)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

- You can set the *Order is EQC Relevant* indicator manually when creating the shop floor order. In the shop floor order, choose ► *Functions* ► *Read PP Master Data* ► and in the resulting dialog box, select the *Order is EQC Relevant* indicator in the *Quality Management* section. Make sure that the *New Routing* and *New BOM* checkboxes are selected.

Note

You can also instruct the system when to set the *Order is EQC Relevant* indicator automatically in the new method `SET_EXTENDED_QUALITY_CHECKS` (*Set Indicator for Extended Quality Checks*) which is now available in the BAdI *Identifying and Converting Shop Floor Orders*. This method is called to update the indicator for extended quality checks in the inspection lot whenever a shop floor order is created or master data is reread.

For detailed information, see the method documentation in the system.

- The *EQC Relevant Order* information is available in the following apps:
 - Manage Production Orders* - you can add an additional filter option and you can add the column to the table from the *Settings* (⚙️) option.
 - Manage Order-Specific Shop Floor Routings* - displayed in the subheader if relevant.
 - Manage Templates - for Shop Floor Routings* - you can create reference templates in this app that contain operation activities and inspection characteristics that are relevant for EQC. You can insert these reference templates into order-specific shop floor routings as long as the shop floor order for which the order-specific routing is created is also relevant for EQC.
 - Manage Production Operations* - in the details screen, you can add the column to the operation activities table from the *Settings* (⚙️) option.
 - Assign Work* - you can add an additional filter option and you can add the column to the table from the *Settings* (⚙️) option.
 - My Work Queue* - you can add an additional filter option and you can add the column to the table from the *Settings* (⚙️) option.
 - Perform Operation Activity* - highlighted in the header section if relevant.
 - Product Genealogy* - you can add an additional filter option and you can add the column to the table from the *Settings* (⚙️) option.
 - Order Genealogy* - you can add an additional filter option and you can add the column to the table from the *Settings* (⚙️) option.

Effects on Customizing

► *Production* ► *Manufacturing for Production Engineering and Operations* ► *Business Add-Ins (BAdIs)*
► *Production Operations* ► *Shop Floor Orders* ► *BAdI: Identifying and Converting Shop Floor Orders* ►

Define when you want the system to select the *Order is EQC Relevant* indicator when creating a shop floor order in the corresponding method.

Note

The implementation of the method is optional. You can also choose to set the EQC indicator manually in the [Create Production Orders](#) app. Choose [Functions Read PP Master Data](#) and select the [Order is EQC Relevant](#) checkbox in the [Quality Management](#) section.

Related Information

[Extended Quality Checks in Execution](#)

7.4.3.2 Adding Unplanned Inspection Characteristics in Execution

With this feature, you can add unplanned inspection characteristics directly in the [Perform Operation Activity](#) app as long as at least one inspection characteristic already exists for the operation activity. This feature is available irrespective of whether you are working with interactive work instructions. If no inspection characteristics already exist, you can add unplanned inspection characteristics by creating an order-specific shop floor and adding the new inspection characteristics there. When you release and update the production order, the system adds the new unplanned inspection characteristics to the operation activity.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFE (Shop Floor Execution)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[How to Add Unplanned Inspection Characteristics \(ICs\)](#)

7.4.3.3 Remarks for Inspection Characteristics with Change History

This feature enables you to record a text of any length in the [Remarks](#) field for each inspection characteristic in the [Perform Operation Activity](#) app. More information is provided in the Addition Details section.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFE (Shop Floor Execution)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

You can now record a text of any length in the [Remarks](#) field for each inspection characteristic in the [Perform Operation Activity](#) app. The first 40 characters of the remark is recorded in the production action log and a change history is available for these 40 characters. If the remark is longer than 40 characters, you need to drill down into the action log details to see the complete remark in the [Notes](#) field. Here, the system only displays the latest version of the text. The change history is only available for the first 40 characters.

The change history is only available if you have made the necessary setting in Customizing.

Effects on Customizing

► [Quality Management](#) ► [Basic Settings](#) ► [Maintain Settings at Plant Level](#) ►

In this Customizing activity, go to the plant-dependent QM settings for the relevant plant. Click the [Results Recording](#) tab and make sure that the [Immediate Creation of Change Docs](#) checkbox is selected. This setting controls whether the system records a change history for the first 40 characters of the remarks that you enter for the inspection characteristics in the [Perform Operation Activity](#) app. The change history information is available in the production action log.

⚠ Caution

This checkbox is not set by default. SAP recommends that you only change this default setting if you really need to track the changes made to the remarks for the inspection characteristics.

Related Information

[Settings for Inspection Characteristics Remarks](#)

7.4.3.4 Input Processing

With this feature, you can now assign input processing to your inspection characteristics to inform the production operator in execution what formula to use to define a particular measurement during result recording.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-IC (<i>Inspection Characteristics and Result Recording</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The input processing function processes the measured values at the time of result recording based on the parameters selected during the creation of inspection characteristics. These measured values can be executed as follows:

- Output value same as input.
- Output value indicates significant rounded value instead of the original entry.

Note

A BAdI is available in customizing, that you can use to define the formula for input processing. For detailed information, see the method documentation in the system.

Effects on Customizing

► [Customizing: Execute Project](#) ► [SAP Reference IMG](#) ► [Quality Management](#) ► [Quality Inspection](#) ► [Results Recording](#) ► [Define Parameters for Input Processing](#) ►

Using this BAdI you can define the formula for input processing.

Related Information

[Extended Production Engineering](#)

[Input Processing for Measured Values](#)

[Input Processing of Measured Values in Results Recording](#)

7.4.4 Production Monitoring

7.4.4.1 Product Genealogy

This app helps you to analyze the production process and enables single-level traceability of a serialized product. It has been updated with a number of new enhancements, which are described in the additional details.


Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-EO-SFA (Shop Floor Analytics)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following enhancements have been made:

- In the initial screen, you can now filter to show which shop floor orders are relevant for extended quality checks (EQC) by adding the [EQC Relevant Order](#) filter. By entering the value [Yes](#) in this filter and choosing

[Go](#), the system displays all shop floor orders that are relevant for EQC in the table. You can also add the corresponding column to the table of orders by selecting the  icon and selecting the [EQC Relevant Order](#) column.

- The unitized parameter effectivity information for the serial number is available in the header section of the details screen in the [Effectivity](#) field.
- The [Equipment](#) information for the serial number is available in the header section of the details screen.
- The [Order Information](#) tab of the details screen contains the new [Execution Control](#) section in which you can find the processing information (sequential or flexible) and the quality check information (standard or extended).
- The [PRTs](#) section now displays unplanned PRTs for both equipment and quantity-based (new) PRTs, which are indicated by a red vertical bar at the start of the table row. Note that unplanned PRTs don't have a PRT item number.
- In the [Components](#), [Disassembled Components](#), and [Returned Materials](#) sections, the assembly type [Manual](#) has been replaced by the new term [Quantity-Based](#).

7.4.4.2 Order Genealogy


This app enables you to analyze and track the production process at production order level. It has been updated with a number of new enhancements, which are described in the additional details.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFA (Shop Floor Analytics)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following enhancements have been made:

- In the initial screen, you can now see which shop floor orders are relevant for extended quality checks (EQC). You can adapt the app filters and insert the [EQC Relevant Order](#) filter. By entering the value [Yes](#) in this filter and choosing [Go](#), the system displays all shop floor orders that are relevant for EQC in the table. You can also add the corresponding column to the table of orders by selecting the  icon and selecting the [EQC Relevant Order](#) column.

- The unitized parameter effectivity information for the order is available in the header section of the details screen.
- The [Order Information](#) tab of the details screen contains the new [Execution Control](#) section in which you can find the processing information (sequential or flexible) and the quality check information (standard or extended).
- In the [Serial Numbers](#) table in the details screen, you can select the [Equipment](#) option in the [Settings](#) (⚙️) list and choose to add this column to your default layout.
- The [PRTs](#) section now displays unplanned PRTs for both equipment and quantity-based (new) PRTs, which are indicated by a red vertical bar at the start of the table row. Note that unplanned PRTs don't have a PRT item number.
- In the [Components](#), [Disassembled Components](#), and [Returned Materials](#) sections, the assembly type [Manual](#) has been replaced by the new term [Quantity-Based](#).

7.4.4.3 Production Action Log

With this app, you can monitor every single action performed for a production order, including actions performed by production operators at operation and operation activity level. See the Additional Details for information on the enhancements available for this app in this release.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFA (Shop Floor Analytics)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following new features are available in the Production Action Log:

- The app now also shows action messages for unplanned PRTs of the registration type quantity-based that have been registered or unregistered in the [Perform Operation Activity](#) app.
- The first 40 characters of the remarks that you record for inspection characteristics in the [Perform Operation Activity](#) app is now available in the production action log and a change history is available for these 40 characters. If the remark is longer than 40 characteristics, you can drill down into the action log details to see the complete remark in the [Notes](#) field. Here, the system only displays the latest version of the text. The change history is only available for the first 40 characters.

Related Information

[Remarks for Inspection Characteristics with Change History \[page 183\]](#)

7.4.4.4 As-Built Report

This app enables you to generate an as-built report for serialized products to get a top-down view of which materials (planned and unplanned) have been consumed in an assembly and in any subassemblies. You can now use a range of new features as described in the Additional Details section.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFA (<i>Shop Floor Analytics</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

You can now:

- Select an order in the new *Order* column to display the order or network details.
- Select an order in the new *Where-Assembled* column to display the order in which the selected part is consumed as a component.
- The assembly type *Manual* has been replaced by the new term *Quantity-Based*.
- If you accessed the report using the material number and the serial number of a major assembly, you can now view all the assembled installation kits of the major assembly.
- If you accessed the report using the material number and serial number of an installation kit, you can view all the subassemblies of the installation kit.
- Navigate to the *Compare As-Built and As-Planned* app where you can see all the deviations between the product that was actually assembled and the product that was planned.
For more information, see [Compare As-Built with As-Planned \[page 189\]](#).

7.4.4.5 Compare As-Built with As-Planned

With this feature, you can compare the product as it was actually built with the MBOM that was planned.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFA (<i>Shop Floor Analytics</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

This new app is available as a tile on the launchpad and in the backend system using transaction MPE_AS_BUILT_COMPARE. Or, you can also navigate to it directly from the [As-Built Report](#). The following deviations between as-built and as-planned are taken into account:

- Material exists in as-built only
- Material exists in as-planned only
- Material is not identical in as-built and as-planned - either the quantity or the ID has changed

If you are comparing a configurable product or a product with unitized parameter effectivity, the system automatically filters the as-planned MBOM accordingly. In addition, if the product has visualization, you can also display the 3D visual of the as-planned MBOM which is also filtered accordingly in the case of unitized parameter effectivity or variant configuration.

Navigation options are provided to the order-specific shop floor routing if the deviations are the result of changes made in an order change scenario.

You can also export the results of the comparison to a spread sheet for further processing.

Related Information

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

8 R&D/Engineering

8.1 Enterprise Portfolio and Project Management

8.1.1 Project System

8.1.1.1 Product Overview: Renamed App

The Fiori app [Product Overview](#) was renamed from the app [Material Component Overview](#), since the app now supports the analysis of lean services in addition to material components that are assigned to network activities.

With this app, you can display the master data details of material or service components that are assigned to network activities.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PS-FIO (Fiori UI for Project Systems)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Product Overview](#)

8.1.1.2 Filtering by Order Types in Reports for Fiori Apps: Project Cost Overview and Project Cost Line Items

The Fiori apps [Project Cost Overview](#) and [Project Cost Line Items](#) have been enhanced with a new filter [Order Type](#).

This filter enables users to select and filter data based on the order types of the corresponding orders that are to be displayed in the apps.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PS-FIO (Fiori UI for Project Systems)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Project Cost Overview](#)
[Project Cost Line Items](#)

8.1.1.3 Lean Service Enablement

Lean service purchasing refers to a simplified process in operational procurement to manage the purchase of planned and unplanned external services.

You can plan lean services for components that are assigned to network activities, similar to the planning of external non-stock materials.

You can use lean service to plan and purchase external services as an alternative to using service activities in the Project System.

The usage of lean service or external service procurement via network activities is controlled via the procurement mode of projects and networks as defined in the customizing.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	Not applicable
Application Component	PS-MAT (Material)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following features have been enabled for planning and monitoring lean services for project networks:

- Planning of planned and unplanned services with respect to the service components assigned to network activities, similar to the planning of material components in the Project Builder and other maintenance transactions for operative networks and simulation versions
- Assigning of lean service to network activities via the Open Catalog Interface (OCI)
- New [Select from Contract](#) feature in the tabular view of components, to create material and service components from contract items
- New BADI to validate the [Overall Limit](#) and [Expected Value](#) fields for unplanned services
- Reading, creating, updating, and deleting lean service components via material component BAPIs and OData APIs
- Assigning of lean service components to standard network activities
- Information on assigned services in the Project Schedule and Project Network Graph Fiori apps
- Analysis of lean service component information in Project Structure reports, Material Component Overviews, the Product Overview Fiori app (renamed from Material Component Overview), as well as in Progress Tracking and Project-Oriented Procurement (ProMan)
- Archiving of service component information along with the archiving of projects

Related Information

[Planning and Adding Lean Services](#)
[Service Purchasing and Recording](#)
[Product Overview](#)

8.1.1.4 Joint Venture Accounting Fields in WBS Element Overview App

Joint venture accounting fields have been added to the user interface and CDS views of the Fiori app WBS Element Overview.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PS-FIO (Fiori UI for Project Systems)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

In the Fiori app WBS Element Overview, filter the data by project/WBS element and navigate to the details of the WBS element to view the following newly added fields under the section [Joint Venture](#):

- [Joint Venture](#)
- [Recovery Indicator](#)
- [Equity type](#)
- [Joint Venture Object Type](#)
- [JIB/JIBE Class](#)
- [JIB/JIBE Subclass A](#)

Related Information

[WBS Element Overview](#)

8.1.1.5 Create, Update, and Delete Operations for Project Network Activity Material Component

This service for Project Network has been broadened and now it allows you to create, update, and delete Project Network Activity Material Component data.

The Project Network Activity Material Component entity comprises components for materials as well as for lean services assigned to project network activities.

The service is based on the OData V4 protocol and can be consumed by apps and other user interfaces.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	NA
Application Component	PS-ST
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

This API is available on the [SAP API Business Accelerator Hub](#) and [SAP Help Portal](#)

8.1.1.6 Create, Update, and Delete Operations for Project Network Activity Milestone

This service for Project Network has been broadened and now it allows you to create, update, and delete Project Network Activity Milestone data.

The service is based on the OData V4 protocol and can be consumed by apps and other user interfaces.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	NA
Application Component	PS-ST
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

This API is available on the [SAP API Business Accelerator Hub](#) and [SAP Help Portal](#)

8.1.2 Commercial Project Management

8.1.2.1 Project Issue and Change Management

8.1.2.1.1 Improved Forecasting on Change Request Approval

With this feature, you can automatically adjust the In-Period or Period-End forecasting on change request approval.

This feature was available to adjust only the period-end forecast with a monthly breakdown. However, it is now enabled for In-period forecast adjustment, for both monthly and fiscal breakdown and period-end forecast adjustment for fiscal breakdown.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-CPD-PCM (Project Issue and Change Management)
Valid as Of	SAP S/4HANA 2023 FPS01

8.1.2.2 Project Workspace

8.1.2.2.1 Status Management

With this feature, Project Manager can choose the report template depending on the target recipient of the Status and Trend report.

Previously, only one report template could be used to generate the Status and Trend Report. However, you can now define multiple form templates to generate the report. You can also choose from these templates to generate and share the report with the stakeholders of the project.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-CPD-WS (Commercial Project Management - Project Workspace)
Valid as Of	SAP S/4HANA 2023 FPS01

8.1.3 SAP Portfolio and Project Management

8.1.3.1 Portfolio Management

8.1.3.1.1 Enhancements to Import of Financial Planning Values

Hierarchy Processing and Handling of Assigned Orders

With this feature, hierarchy processing and handling of assigned orders are supported for the import of financial periodic planning values from Project System to Portfolio Item.

Depending on the customizing settings, the transfer of planned data is impacted if hierarchy processing is activated and if orders (network, internal order, maintenance order) are appended.

Import of Financial Periodic Planning Values to Portfolio Items

With this feature, the import of financial periodic planning values for networks, network activities, internal orders and maintenance/service orders directly assigned via the object link to the Portfolio Item is enabled.

Background Processing for Financial Integration and Planning Reports

With this feature, you can schedule background processing for the following reports:

- /RPM/FICO_INT_PLANNING with the wrapper report /RPM/SCHEDULE_FICO_INT_PLAN
- /RPM/FICO_INT_PLANNING_V2 with wrapper report /RPM/SCHEDULE_FICO_INT_PLAN_V2

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PPM-PPM (<i>Portfolio Management</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Handling of Assigned Orders](#)
[Hierarchy Processing](#)

8.1.3.2 Project Management

8.1.3.2.1 Support of Superuser Authorization Object in Simplified Authorization Management

With this feature you can leverage the ACO_SUPER authorization object to grant authorizations when using Simplified Authorization Management.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	NA
Application Component	PPM-PRO
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The detailed information is available at the SAP Help Portal in section SAP Portfolio and Project Management:

- [Simplifications in Authorization Management](#)
- [Superuser](#)

8.1.3.2.2 Development Project – Read

With this API-developed service, a user can read the master data for Development Project. It is based on the OData V4 protocol. It can be consumed by apps and other user interfaces to read Development Project Data, Development Project Responsible, Development Project Status, Development Project Element Data, Development Project Element Responsible, Development Project Element Status, Development Project Role, Development Project Role Staffing, Development Project Task Relationship, Project Role Task Assignment, Successor Task, and Task Relation master data.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	NA
Application Component	PPM-PRO
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

This API is available on the [SAP API Business Accelerator Hub](#) and [SAP Help Portal](#)

8.2 Product Compliance

8.2.1 Dangerous Goods Management

8.2.1.1 Printing of Dangerous Goods Information on Delivery Documents via Output Determination

Dangerous goods data can be printed on delivery documents using [Output Determination](#) (SD-BF-OC).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	3G8 (Dangerous Goods in the Value Chain)
Application Component	EHS-SUS-DG (Dangerous Goods)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

When you transport a product that is classified as dangerous goods, specific information has to be printed on certain documents. What data has to be printed, as well as the formatting of the printed data, is specified in the relevant dangerous goods regulations. For printing the dangerous goods description, Dangerous Goods Management uses predefined description templates and rules to determine the right dangerous goods description for a given document.

Dangerous goods data can be printed on the following delivery documents:

- Delivery Note (LD00)
- Picking List (EK00)

Effects on Customizing

In the Specify [Output of Dangerous Goods Description](#) activity, the configuration expert can specify which dangerous goods descriptions are printed on which document and in which sequence. In addition, the expert can specify whether the dangerous goods regulations are printed together with their modes of transport and

the transport permission on one document. You can change the settings in Customizing under ► [Product Compliance](#) ► [Dangerous Goods Management](#) ► [Specify Output of Dangerous Goods Description](#) ►.

Related Information

- For more information about the printing of dangerous goods data from the [Delivery](#) point of view, see [Printing Dangerous Goods Information on Delivery Output \[page 261\]](#).
- You can find more information about printing delivery documents in the product assistance for [Delivery Management](#). See [Output Management for Outbound Delivery](#).
- You can find more information about printing dangerous goods data in the product assistance for [Product Compliance](#). See [Output of Dangerous Goods Data on Delivery Documents](#).

9 Sales

9.1 Order and Contract Management

9.1.1 Price Management

9.1.1.1 Manage Tax Rates – Sales

With this app, you can create tax rates in the form of condition records as the pricing master data in sales. When a tax is calculated in a business document, the system looks for the corresponding condition records in the master data to determine the final tax rate. You can use the mass operation to efficiently manage multiple tax rates at one time.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	SD–MD–CM (Conditions)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

To create a tax rate for pricing in sales, you must enter a tax code or a withholding tax code when you create the condition record. Based on the entered tax code, the app searches for the existing tax rates that have been maintained for the tax code in financial accounting and then proposes one for you. You can directly use the proposed one or select a different one if more than one tax rate exists for the tax code. If no tax rate has been found for the tax code, the app prevents you from creating the condition record for the tax code.

You can also import a template-based spreadsheet to create condition records for tax rates.

Effects on System Administration

SAP doesn't provide a standard business catalog for accessing this app. You must create your own business catalog and add the combination of the tile and target mapping (TaxRateInSales-manage) to your business catalog. For more information, see [Maintain Business Catalogs](#).

Related Information

[Manage Tax Rates – Sales](#)

9.1.2 Sales Contract Management

9.1.2.1 Manage Trading Contracts

With this app you can now create trading contracts more easily. In the new creation popup you are prompted to enter the necessary data and receive feedback if the data is valid or not. Data entry is made easier by automatic application of filters to value helps based on the data provided by you. After the data is validated, you are navigated to the [Create Trading Contract](#) application to finish creating your trading contract.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-GT-TC (Trading Contract)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Manage Trading Contracts](#)

9.1.3 Special Business Processes in Order and Contract Management

9.1.3.1 Pro Forma Invoices in Advanced Intercompany Sales and Advanced Intercompany Stock Transfer

This feature enables you to create an **intercompany pro forma invoice** (billing type **IV3**) with reference to an outbound delivery in the [Advanced Intercompany Sales](#) process (scope item [5D2](#)) and the [Advanced Intercompany Stock Transfer](#) process.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5D2 (Advanced Intercompany Sales)
Application Component	SD-SLS (Sales)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

You can create as many intercompany pro forma invoices per outbound delivery as required. Pro forma invoices are generally created for exported goods to provide customs authorities with evidence of the cost of the goods. Unlike a regular customer invoice, a pro forma invoice does not represent a request for payment.

Effects on Customizing

You can implement this new feature by performing the following Customizing activities:

- Define the new billing type **intercompany pro forma invoice** (IV3)
In Customizing, you can find this activity under ► [Sales and Distribution](#) ► [Billing](#) ► [Billing Documents](#) ► [Define Billing Types for Sales](#) ►.
- Define copying control from the outbound delivery for billing documents
In Customizing, you can find this activity under ► [Sales and Distribution](#) ► [Billing](#) ► [Billing Documents](#) ► [Copying Control for Billing Documents](#) ► [Maintain Copying Control for Billing Documents](#) ►.

Related Information

- Pro Forma Invoices
- Billing in Advanced Intercompany Sales
- Billing in Advanced Intercompany Stock Transfers

9.1.3.2 Deactivation of Sell from Stock with Valuated Stock in Transit

This feature enables you to deactivate the *Sell from Stock with Valuated Stock in Transit* (SFS w. VSiT) process (scope item *5MQ*), for example, if you want to switch to the classic *Sell from Stock* process (scope item *BD9*).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	5MQ (Sell from Stock with Valuated Stock in Transit)
Application Component	SD-SLS (<i>Sales</i>)
Valid as Of	SAP S/4HANA 2023 SPS01

Additional Details

You can deactivate the *Sell from Stock with Valuated Stock in Transit* (SFS w. VSiT) process with the business add-in (BAI) *BADI_SDSLS_VCM_PROC_DEACTIVATE* (*Deactivation of Advanced Intercompany Sales, Sell from Stock with VSiT*).

If you deactivate the *Sell from Stock with Valuated Stock in Transit* process, you can switch to the classic *Sell from Stock* process (scope item *BD9*).

Effects on Customizing

To deactivate the *Sell from Stock with Valuated Stock in Transit* process, you need to implement the BAI *Deactivation of Advanced Intercompany Sales, Sell from Stock with Valuated Stock in Transit*. In Customizing, you find this BAI under **Sales and Distribution** > **Sales** > **Sales Documents** > **Integration with Value Chain Monitoring**.

Related Information

[Sell from Stock with Valuated Stock in Transit](#)

9.2 Solution Business Management

9.2.1 Solution Quotation Management

9.2.1.1 Solution Quotation Enhancements

In a solution quotation, you can now maintain billing block reasons at header and item levels. Updating the billing block reason at header level updates the item level field. The value of a billing block reason at the item level is considered when both item and header level fields are maintained. Additionally, the solution quotation API is now enabled with multi level variant configuration.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4Q5 (Solution Quotation)
Application Component	CRM-S4-SOL-SQ (S4CRM: Solution Quotation Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Accepting Solution Quotations](#)

9.2.1.2 Multi-Level Advanced Variant Configuration for Planned Production Order Process

You can now create a solution quotation for configurable sales products using advanced variant configuration (AVC) for your planned production order process with multilevel bill of material (BOM) explosion.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	4Q5 (Solution Quotation)
Application Component	CRM-S4-SOL-SQ (S4CRM: Solution Quotation Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Using Multi-Level Advanced Variant Configuration in Solution Quotation](#)

9.2.1.3 OData API: Solution Quotation (A2X)

The Business Solution Quotation OData API (`API_BUS_SOLUTION_QUOTATION_SRV`) has been enhanced so that you can now create a solution quotation to maintain the following:

- Billing block reason for a business partner
- ISO code indicator for unit of measurement
- UTC time stamp
- BOM item node number
- Internal object number

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4Q5 (Solution Quotation)
Application Component	CRM-S4-SOL-SQ (S4CRM: Solution Quotation Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following attributes have been added to API_BUS_SOLUTION_QUOTATION_SRV:

Property	Description	Necessity
Solution Quotation Header		
BusSolnQuotationIsReleased	Indicator that the solution quotation is released	Optional
BillingBlockReason	Indicator of the billing block reason for the business partner	Optional
Service Item		
RequestedQuantityISOUnit	Indicator of the ISO code for unit of measurement	Optional
BillingBlockReason	Indicator of the billing block reason for the business partner	Optional
BilOfMaterialItemNodeNumber	Indicator of the BOM item node number	Optional
SrvcDocItmProdConfignDateTime	Indicates the UTC time stamp in short form (yyyymmddhhmmss)	Optional
ConfigurationNumber	Indicates the internal object number	Optional
Expense Item		
RequestedQuantityISOUnit	Indicator of the ISO code for unit of measurement	Optional
BillingBlockReason	Indicator of the billing block reason for the business partner	Optional
Service Part Item		
RequestedQuantityISOUnit	Indicator of the ISO code for unit of measurement	Optional
BillingBlockReason	Indicator of the billing block reason for the business partner	Optional
Sales Item		
LegalContractItemExtReference	External reference of the legal contract item	Optional
RequestedQuantityISOUnit	Indicator of the ISO code for unit of measurement	Optional
BillingBlockReason	Indicator of the billing block reason for the business partner	Optional
BilOfMaterialItemNodeNumber	Indicator of the BOM item node number	Optional
SrvcDocItmProdConfignDateTime	Indicates the UTC time stamp in short form (yyyymmddhhmmss)	Optional
Service Contract Item		

Property	Description	Necessity
RequestedQuantityISOUnit	Indicator of the ISO code for unit of measurement	Optional
BillingBlockReason	Indicator of the billing block reason for the business partner	Optional
BillofMaterialItemNodeNumber	Indicator of the BOM item node number	Optional
SrvcDocItmProdConfgnDateTime	Indicates the UTC time stamp in short form (yyyymmddhhmmss)	Optional

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

Related Information

[Solution Quotation Header](#)
[Service Item](#)
[Expense Item](#)
[Service Part Item](#)
[Sales Item](#)
[Service Contract Item](#)

9.2.1.4 Manage Solution Quotations - Version 2

With the [Manage Solution Quotations - Version 2](#) app, you can create or navigate to existing solution quotations. You can view in a network graph the status of a predefined set of follow-up documents or service transactions (for example, sales order, service order). At the graphical node (for example, sales order document), you can see few details displayed, for example, [ID](#), [Status](#) of each follow-up document or service transaction. A focused view of the progress monitor is available at solution quotation header as well as solution quotation item level. A navigation is provided for the user to navigate to respective documents or service transactions, if the user has the required roles for each entity.

As a key user, you can extend the solution quotation progress monitor of the [Manage Solution Quotations - Version 2](#) app according to your business needs.

Technical Details

Type	New
Functional Localization	Not Applicable

Scope Item	Not applicable
Application Component	CRM-S4-SOL-SQ (S4CRM: Solution Quotation Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The [Manage Solution Quotations - Version 2](#) app can be accessed using one of the following business roles:

- [Customer Service Manager \(Customer Management\)](#) (SAP_BR_CUSTOMER_SERVICE_MGR)
- [Internal Sales Representative \(SOM\)](#) (SAP_BR_INTRNAL_SALESREP_SOM)

Related Information

[Manage Solution Quotations - Version 2](#)

App Extensibility: Solution Quotation Progress Monitor of the App Manage Solution Quotations - Version 2 (Key User)

9.3 Country/Region Specifics

For country/region-specific changes, please see [What's New Viewer](#).

10 Service

10.1 Service Master Data & Agreement Management

10.1.1 Service Contract Management

10.1.1.1 Moved Settlement Period Rules in Service Contracts

You can now assign moved settlement period rules to your date profiles for service contracts and service contract items. These rules can help you avoid an extra billing request line generated by the system when your contract start date is higher than the 28th of the month.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	426 (Service Contract Management)
Application Component	CRM-S4-SRV-CTR (Service Contract and Quotation)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Customizing

The new date rules BILL0017 Monthly (Moved Settlement Period), BILL0018 Quarterly (Moved Settlement Period) and BILL0019 Half-yearly (Moved Settlement Period) are maintained using the Customizing activity

► [Service](#) ► [Basic Functions](#) ► [Date Management](#) ► [Define Date Types, Duration Types and Date Rules for Service Transactions](#) ►.

Related Information

[Settlement Rules in Service Contracts](#)

10.2 Service Operations & Processes

10.2.1 Service Order Management

10.2.1.1 SOAP APIs for Service Order

The SOAP APIs for service order have been enhanced with the following fields and node: `IntcoRcvgSalesOrganization`, `ContractAccount`, and the relevant node and fields to support the Service with Advanced Execution process.

You can view the details of all the added fields and node in the [Additional Details](#) section.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	41Z (Service Order Management)
Application Component	CRM-S4-SRV-SVO (Service Order)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following table provides an overview of the added fields and node:

Field/Node	Service	Description
IntcoRcvgSalesOrganization	<ul style="list-style-type: none"> Service Order - Create, Change (Asynchronous) (ServiceOrderRequest_In) Service Order (Bulk) - Create, Change (Asynchronous) (ServiceOrderBulkRequest_In) Service Order - Confirm Processing (Asynchronous) (ServiceOrderConfirmation_Out) Service Order (Bulk) - Confirm Processing (Asynchronous) (ServiceOrderBulkConfirmation_Out) Service Order - Notification Processing (Asynchronous) (ServiceOrderNotification_Out) 	<p>This field has been added to these services on item level.</p> <p>You can use this field to provide the company code of the receiving sales organization for intercompany processing. For more information, see Intercompany Service Orders.</p>

Field/Node	Service	Description
ContractAccount	<ul style="list-style-type: none"> Service Order - Create, Change (Asynchronous) (ServiceOrderRequest_In) Service Order (Bulk) - Create, Change (Asynchronous) (ServiceOrderBulkRequest_In) Service Order - Confirm Processing (Asynchronous) (ServiceOrderConfirmation_Out) Service Order (Bulk) - Confirm Processing (Asynchronous) (ServiceOrderBulkConfirmation_Out) Service Order - Notification Processing (Asynchronous) (ServiceOrderNotification_Out) 	<p>This field has been added to these services on item level.</p> <p>You can use this field to assign a contract account to a service order item.</p> <div> <p>Note</p> <p>You can only use this field when Contract Accounts Receivable and Payable (FI-CA) is active.</p> </div>
MaintenancePlanningPlant	<ul style="list-style-type: none"> Service Order - Create, Change (Asynchronous) (ServiceOrderRequest_In) Service Order (Bulk) - Create, Change (Asynchronous) (ServiceOrderBulkRequest_In) Service Order - Confirm Processing (Asynchronous) (ServiceOrderConfirmation_Out) Service Order (Bulk) - Confirm Processing (Asynchronous) (ServiceOrderBulkConfirmation_Out) Service Order - Notification Processing (Asynchronous) (ServiceOrderNotification_Out) 	<p>This field has been added to these services on item level.</p> <p>You can use this field to provide the maintenance planning plant of an execution order item.</p>

Field/Node	Service	Description
WorkCenter <ul style="list-style-type: none"> MaintenanceWorkCenter MaintenanceWorkCenterPlant 	<ul style="list-style-type: none"> Service Order - Create, Change (Asynchronous) (ServiceOrderRequest_In) Service Order (Bulk) - Create, Change (Asynchronous) (ServiceOrderBulkRequest_In) Service Order - Confirm Processing (Asynchronous) (ServiceOrderConfirmation_Out) Service Order (Bulk) - Confirm Processing (Asynchronous) (ServiceOrderBulkConfirmation_Out) Service Order - Notification Processing (Asynchronous) (ServiceOrderNotification_Out) 	<p>The node WorkCenter has been added to these services with the fields MaintenanceWorkCenter and MaintenanceWorkCenterPlant on item level.</p> <p>You can use this node and the fields to provide the maintenance work center and the plant of a maintenance work center of an execution order item.</p>
SrvDocItmBillingRelevance	<ul style="list-style-type: none"> Service Order - Create, Change (Asynchronous) (ServiceOrderRequest_In) Service Order (Bulk) - Create, Change (Asynchronous) (ServiceOrderBulkRequest_In) Service Order - Confirm Processing (Asynchronous) (ServiceOrderConfirmation_Out) Service Order (Bulk) - Confirm Processing (Asynchronous) (ServiceOrderBulkConfirmation_Out) Service Order - Notification Processing (Asynchronous) (ServiceOrderNotification_Out) 	<p>This field has been added to these services on item level.</p> <p>You can use this field to define the billing relevance of an execution order item.</p>

Field/Node	Service	Description
DynItemProcessorPrfl	<ul style="list-style-type: none"> Service Order - Create, Change (Asynchronous) (ServiceOrderRequest_In) Service Order (Bulk) - Create, Change (Asynchronous) (ServiceOrderBulkRequest_In) Service Order - Confirm Processing (Asynchronous) (ServiceOrderConfirmation_Out) Service Order (Bulk) - Confirm Processing (Asynchronous) (ServiceOrderBulkConfirmation_Out) Service Order - Notification Processing (Asynchronous) (ServiceOrderNotification_Out) 	<p>This field has been added to these services on item level.</p> <p>You can use this node and the fields to provide the dynamic item processor profile (DIP profile) of an execution order item.</p>

These APIs are available on the SAP Business Accelerator Hub (<https://api.sap.com>).

Related Information

[Service Order - Create, Change \(Asynchronous\)](#)
[Service Order - Confirm Processing \(Asynchronous\)](#)
[Service Order - Notification Processing \(Asynchronous\)](#)
[Service Order \(Bulk\) - Create, Change \(Asynchronous\)](#)
[Service Order \(Bulk\) - Confirm Processing \(Asynchronous\)](#)

10.2.1.2 SOAP APIs for Service Confirmation

The SOAP APIs for service confirmation have been enhanced with the following fields and node: ContractAccount, Batch, and the node SrvcConfItemSerialNumber with fields relevant for serial numbers.

You can view the details of all the added fields and node in the [Additional Details](#) section.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	41Z (Service Order Management)
Application Component	CRM-S4-SRV-SCO (Service Confirmation)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following table provides an overview of the added fields and nodes:

Field/Node	Service	Description
ContractAccount	<ul style="list-style-type: none"> Service Confirmation - Create, Change (Asynchronous) (ServiceConfirmationRequest_In) Service Confirmation (Bulk) - Create, Change (Asynchronous) (ServiceConfirmationBulkRequest_In) Service Confirmation - Confirm Processing (Asynchronous) (ServiceConfirmationConfirmation_Out) Service Confirmation (Bulk) - Confirm Processing (Asynchronous) (ServiceConfirmationBulkConfirmation_Out) Service Confirmation - Notification Processing (Asynchronous) (ServiceConfirmationNotification_Out) 	<p>This field has been added to these services on item level.</p> <p>You can use this field to assign a contract account to a service confirmation item.</p> <div> <p>Note</p> <p>You can only use this field when Contract Accounts Receivable and Payable (FI-CA) is active.</p> </div>

Field/Node	Service	Description
Batch	<ul style="list-style-type: none"> Service Confirmation - Create, Change (Asynchronous) (ServiceConfirmationRequest_In) Service Confirmation (Bulk) - Create, Change (Asynchronous) (ServiceConfirmationBulkRequest_In) Service Confirmation - Confirm Processing (Asynchronous) (ServiceConfirmationConfirmation_Out) Service Confirmation (Bulk) - Confirm Processing (Asynchronous) (ServiceConfirmationBulkConfirmation_Out) Service Confirmation - Notification Processing (Asynchronous) (ServiceConfirmationNotification_Out) 	<p>This field has been added to these services on item level.</p> <p>You can use this field to specify the batch number of a service confirmation item.</p>

Field/Node	Service	Description
SrvcConfItemSerialNumber	<ul style="list-style-type: none"> Service Confirmation - Create, Change (Asynchronous) (ServiceConfirmationRequest_In) Service Confirmation (Bulk) - Create, Change (Asynchronous) (ServiceConfirmationBulkRequest_In) Service Confirmation - Confirm Processing (Asynchronous) (ServiceConfirmationConfirmation_Out) Service Confirmation (Bulk) - Confirm Processing (Asynchronous) (ServiceConfirmationBulkConfirmation_Out) Service Confirmation - Notification Processing (Asynchronous) (ServiceConfirmationNotification_Out) 	<p>This node has been added to these services on item level.</p> <p>You can use the fields under this node to provide serial numbers for service confirmation items.</p> <p>You can also use the action codes 01 (Create) or 03 (Delete) to create or delete serial numbers.</p>

Field/Node	Service	Description
SerialNumber	<ul style="list-style-type: none"> Service Confirmation - Create, Change (Asynchronous) (ServiceConfirmationRequest_In) Service Confirmation (Bulk) - Create, Change (Asynchronous) (ServiceConfirmationBulkRequest_In) Service Confirmation - Confirm Processing (Asynchronous) (ServiceConfirmationConfirmation_Out) Service Confirmation (Bulk) - Confirm Processing (Asynchronous) (ServiceConfirmationBulkConfirmation_Out) Service Confirmation - Notification Processing (Asynchronous) (ServiceConfirmationNotification_Out) 	<p>This field has been added to these services under the node SrvcConfItemSerialNumber on item level.</p> <p>You can use this field to provide serial numbers for a service part item in a service confirmation.</p>
ServiceReferenceEquipment	<ul style="list-style-type: none"> Service Confirmation - Confirm Processing (Asynchronous) (ServiceConfirmationConfirmation_Out) Service Confirmation (Bulk) - Confirm Processing (Asynchronous) (ServiceConfirmationBulkConfirmation_Out) Service Confirmation - Notification Processing (Asynchronous) (ServiceConfirmationNotification_Out) 	<p>This field has been added to these services under the node SrvcConfItemSerialNumber on item level.</p> <p>You can view the equipment number in this field.</p>

Field/Node	Service	Description
ManufacturerSerialNumber	<ul style="list-style-type: none"> Service Confirmation - Confirm Processing (Asynchronous) (ServiceConfirmationConfirmation_Out) Service Confirmation (Bulk) - Confirm Processing (Asynchronous) (ServiceConfirmationBulkConfirmation_Out) Service Confirmation - Notification Processing (Asynchronous) (ServiceConfirmationNotification_Out) 	<p>This field has been added to these services under the node SrvcConfItemSerialNumber on item level.</p> <p>You can view the serial number of a manufacturer in this field.</p>

These APIs are available on the SAP Business Accelerator Hub (<https://api.sap.com> .

Related Information

[Service Confirmation - Create, Change \(Asynchronous\)](#)
[Service Confirmation - Confirm Processing \(Asynchronous\)](#)
[Service Confirmation - Notification Processing \(Asynchronous\)](#)
[Service Confirmation \(Bulk\) - Create, Change \(Asynchronous\)](#)
[Service Confirmation \(Bulk\) - Confirm Processing \(Asynchronous\)](#)

10.2.1.3 Price Items in Service Orders and Service Order Quotations

You can now use a price item in service orders and service order quotations to reflect the surcharge for additional service provided. This item type is particularly useful if you discover that the fixed price agreed upon cannot cover all service costs and you need to charge your customers more.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	41Z (Service Order Management)
Application Component	CRM-S4-SRV-SVO (Service Order) CRM-S4-SRV-SVQ (Service Order Quotation)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Price items can only be the subitems of service items or execution order items that have been added to service orders or service order quotations. When you use a price item, it inherits the account assignment object in service orders and the service contract from its higher-level item. The price item also inherits the external reference from its higher-level item, but you can change the external reference of the price item manually.

The following prerequisites must be fulfilled when using price items:

- You have activated item-based accounting.
- The price item must be relevant for billing if it is used in a service order.
- The price item must be relevant for pricing.

Effects on Customizing

You need to select the checkbox [Inherit from Higher-Level Item](#) when using price items in the Customizing activity under ► [Service](#) ► [Transactions](#) ► [Basic Settings](#) ► [Define Item Categories](#) ►.

Related Information

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

10.2.1.4 Enhancements to Report Generate BDRs for Service Orders

The report [Generate BDRs for Service Orders](#) (CRMS4_SERVORD_BDR_GENERATE) has been enhanced with additional fields. You can now create billing document requests (BDRs) for billable service order items and billable service confirmation items. You can also use the field [Max. Number of Billable Items](#) to provide the maximum number of billable items for which you want to create BDRs. This feature enables you to schedule batch jobs to generate BDRs for different items.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	41Z (Service Order Management)
Application Component	CRM-S4-SRV-SVO (Service Order)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

You can find the report on the [SAP Easy Access](#) menu under ► [Service](#) ► [Service Processes](#) ►.

Related Information

[Billing](#)

10.2.1.5 Enhancements to Service Order UI

The UI of service orders has been enhanced and you can now do the following to facilitate your service order processing:

- Use the [External Reference](#) field on item level.
- See which service confirmation is flagged as [Final Service Confirmation](#) on service order UI.
- View the WBS element of an assigned service contract on service order item level when item-based accounting is active.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	41Z (Service Order Management)

Application Component	CRM-S4-SRV-SVO (Service Order)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

- **External Reference**
The field [External Reference](#) is available on service order item level. You can use this field to store external IDs for service order items. Depending on your Customizing settings, the external reference you enter for an item in a service order quotation can be forwarded to a service order item. The external reference from a service order item can be forwarded to a service confirmation item as well.
- **Final Confirmation**
When you open a service order, you can see if a service confirmation is flagged as [Final Service Confirmation](#) on the [Confirmations](#) tab. For more information, see [Creation of Service Confirmations](#).
- **WBS Element**
The WBS element of an assigned service contract on service order item level is displayed on the UI when item-based accounting is active.

Related Information

[Service Orders](#)

10.2.1.6 Enhancement to Credit Memo Process for Service Transactions

You can now create credit memo requests from invoices of billable service order items and service confirmation items out-of-the-box thanks to the Customizing settings delivered with the system.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	41Z (Service Order Management)

Application Component	CRM-S4-SRV-SVO (Service Order)
	CRM-S4-SRV-SCO (Service Confirmation)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Customizing

The following entries have been added to the view in the Customizing activity [Assign Item Categories](#) under [Sales and Distribution](#) > [Sales](#) > [Sales Documents](#) > [Sales Document Item](#) to enable the process:

Sales Document Type	Item Category Group	Default Item Category
SCR	NORM	SG2N
SCR	SRVE	SG2N
SCR	SRVM	SG2N
SCR	SRVP	SG2N

Related Information

[Creating a Credit Memo Request with Reference to a Service Invoice](#)

10.2.1.7 Enhancements to Accounting Indicator Usage in Billing Integration

You can use an accounting indicator in service orders with the pricing condition types `DAI1` and `DAI2` to influence pricing procedure and differentiate items based on discount or surcharge rates. The value of the accounting indicator can be transferred from billing to accounting with the enhanced Customizing settings.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	41Z (Service Order Management)

Additional Details

Usage of the pricing condition types:

- **DAI1:** You can use this condition type if you want the price to be calculated based on the quantity of items in a service order.
- **DAI2:** You can use this condition type if you want the price to be calculated based on the percentage of discount or surcharge rates.

Effects on Customizing

- To set the condition types for accounting indicators, you use the activity [Set Condition Types for Pricing in Sales](#) in Customizing for [Sales and Distribution](#) under ► [Basic Functions](#) ► [Pricing](#) ► [Pricing Control](#) ► [Define Condition Types](#) ►.
- To enable the transfer of the value of accounting indicators from billing to accounting, you need to make sure that the accounting indicator is taken into account in account assignment by entering **B** in the [Rel.Acc.Assig](#) field in the [Control Data 2](#) section in Customizing for [Sales and Distribution](#) under ► [Basic Functions](#) ► [Pricing](#) ► [Pricing Control](#) ► [Define Condition Types](#) ►.

Related Information

[Service Orders](#)

10.2.1.8 Configurable Service Parts and External Service Items

You can now use configurable products or product variants for service parts and external service items with single-level variant configuration. With this feature, you can customize complex service parts, for example, if you need a specific component to execute a service. This feature also enables you to customize procured service, for example, if you need to hire an external technician who has a specific skill set or meets certain working conditions to perform a service.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-BF-CFG (Product Configuration)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

- You can configure products with characteristics that meet your needs and use the configurable products or product variants for service parts or external service items.
- When you search for a product, you can now use the new search criterion [Product Variant](#) in the value help. You can search for a configurable product based on whether it is a product variant or not.
- You can use configurable products or product variants in service order quotations, service order templates, service orders, and service confirmations with the following item categories:

Item Category	Description
SRVM	Stock Service Part Item
SRPM	Service Part Item (Purchase Requisition)
SROM	Service Part Item (Purchase Order)

📘 Note

If you add a configurable product as the product to a **stock service part item** (SRVM), the configurable product you added must be replaced by another product that is a product variant through variant matching. This product variant must be based on the characteristics that you have selected for the configurable product you added.

Related Information

[Configurable Products in Service Order Management](#)

10.2.1.9 Business Completion of Service Orders

You can now perform the business completion for a service order by setting a service order to *Business Completed* if item-based accounting is active. This feature has the following benefits:

- It helps avoid unexpected postings of costs and revenues to the related account assignment objects.
- It enhances the performance of Financial Operations as a service order that has been set to *Business Completed* is excluded from period-end closing process.
- It gives you a better control over when a service order is ready to be archived as business completion is a prerequisite for archiving a service order.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	41Z (Service Order Management)
Application Component	CRM-S4-SRV-SVO (<i>Service Order</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

You have the option to revise the business completion of the service order and manually set it to *Business Reopened*.

You can use the report *Set Service Orders to Business Completed* (CRMS4_SET_BUSINESS_COMPLETED) to schedule batch jobs that are used to perform the business completion for service orders that have not been changed for a while and that have not been manually reopened for business before.

Related Information

[Finalizing the Service Order](#)

10.2.1.10 Enhancements to Intercompany Service Order Process

Invoices from an intercompany service order are now displayed as **Invoice (Incoming Intercompany)** in the *Transaction History* so that they can be easily differentiated from invoices created from the customer-facing

service order. Additionally, debit memos from an intercompany service order that contains an execution order item are now displayed as **Debit Memo (Incoming Intercompany)** in the [Transaction History](#). You can also navigate to the debit memo details directly. These enhancements allow you to have a clearer overview of all types of invoices when processing intercompany service orders.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	41Z (Service Order Management)
Application Component	CRM-S4-SRV-SVO (Service Order)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Intercompany Service Orders](#)

10.2.1.11 Deactivation of Planned Cost and Revenue

You have the option now to deactivate the functionality of planned cost and revenue for service orders if you don't use this functionality or if you don't want to create unnecessary planning data.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	41Z (Service Order Management)
Application Component	CRM-S4-SRV-SVO (Service Order)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

- If you disable the functionality of planned cost and revenue, the *Planned Cost and Revenue* tab on the UI is hidden on both service order header and item level and you cannot select this tab in the *Personalize* settings.
- You cannot use the revenue recognition method *Recognize Revenue on Cost-Based Percentage of Completion (POC) (Method 3)* if you disable the functionality of planned cost and revenue.

Effects on Customizing

You can disable the functionality of planned cost and revenue on transaction type level in the Customizing activity *Define Transaction Types* under ► *Service* ► *Transactions* ► *Basic Settings* ►.

Related Information

[Service Planning: Managing Planned Cost and Revenue](#)

10.2.1.12 Individual Grouping of Items

In the past, you could only assign all items of a service order to a single purchasing document or create a separate document for each item. With this feature, you can now flexibly decide for which service order items a purchasing document should be created. This improvement allows you to have more control and flexibility in your procurement process. You can also use the new Business Add-In (BAI) *Individual Grouping of Items* to implement custom logic for grouping service order items for further processing in the procurement process.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	41Z (Service Order Management)
Application Component	CRM-S4-SRV-SVO (CRM: <i>Service Order</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Customizing

You can access the option for individual grouping of items in the Customizing activity [Grouping of Items](#) in Customizing for Service under [Transactions](#) [Settings for Service Transactions](#) [Integration](#) [Logistics Integration](#).

Using the BAdI [Individual Grouping of Items](#), you can control how the items of a service order are grouped in a follow-up purchasing document, such as reservation, purchase requisition, or a purchase order. You access the BAdI in Customizing for Service under [Transactions](#) [Settings for Service Transactions](#) [Integration](#) [Logistics Integration](#) [Business Add-Ins \(BAdIs\)](#) [BAdI: Individual Grouping of Items](#).

10.2.1.13 Transferring Net Price to Service Confirmations

Previously, it was only possible to transfer the gross price from a purchase order or supplier invoice to a service confirmation. Now, you have the option to transfer the net price as well without the need to deduct the VAT as before. To determine which value the system should transfer, you can use a new Customizing activity [Copy Procurement Price to Service Confirmation](#) and a related Business Add-In (BAdI).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	41Z (Service Order Management)
Application Component	CRM-S4-SRV-SCO (CRM: Service Confirmation)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Customizing

To determine whether the net or gross price value should be transferred to a service confirmation, you use the Customizing activity [Copy Procurement Price to Service Confirmation](#) that allows you to switch the value based on the business transaction type. You access the activity in Customizing for Service under [Transactions](#) [Settings for Service Transactions](#) [Integration](#) [Logistics Integration](#) [Copy Procurement Price to Service Confirmation](#).

You can also use the related BAdI [Copying Procurement Price to Service Confirmation](#) to modify the price determination depending on the specific business scenario, such as service part procurement or external service procurement. You can access the BAdI in Customizing for Service under [Transactions](#)

10.2.1.14 Using External Reference as Customer Reference in Sales and Billing Documents

You can now define that the value you enter as an external reference in a service transaction is passed as the value of the [Customer Reference](#) field of the corresponding sales order or billing document request. Thus, you can flexibly define the value that you use as a customer reference instead of being limited to using only the transaction ID as an external reference as before.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	41Z (Service Order Management)
Application Component	CRM-S4-SRV-SRVO (CRM: Service Order)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

If you enter an external reference at header level of a service transaction, the system passes it on to the items of this transaction. If you enter an external reference for an individual item, it overwrites the value that was passed to the item from the header. The system also uses this value as a split criterion when it assigns billing-relevant items to billing documents.

Effects on Customizing

To use the external reference in a service transaction as a customer reference in a sales order or a billing document request, you set the [Copy External Reference](#) flag in the Customizing activities [Assign Service Transaction Types to Sales Document Types](#) and [Assign Service Transaction Types to Billing Document Request Types](#) respectively.

Related Information

[Billing Document Split and Convergence](#)

10.2.1.15 Distributed Execution in Service with Advanced Execution

You can now create multiple billable maintenance orders corresponding to a single execution order item. This allows you to distribute the planning and execution of one execution order item to several billable maintenance orders.

Additionally, you can restrict the synchronization of certain fields between the service order and the billable maintenance order, so that the fields from the service order are not automatically inherited by the maintenance order. This restriction gives you the flexibility to maintain different values in the service order and the billable maintenance order for the same field.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	6AU (Corrective Service with Advanced Execution) 6F1 (Preventive Service with Advanced Execution)
Application Component	CRM-S4-SRV-MNO (Service with Advanced Execution)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Customizing

To enable distributed execution you need to select the checkbox [Allow Multiple Maintenance Orders](#). This checkbox can be found in the Customizing activity for [BUS2000116](#) using the path [► Service ► Transactions ► Basic Settings ► Define Item Categories ►](#).

Related Information

[Distributed Execution](#)

10.2.1.16 Refresh Planning for Execution Order Items in Service Order Quotation

You can use the [Refresh Planning](#) function in the service order quotation to retrieve planning information by determining the DIP-based subitems of an execution order item from the corresponding billable maintenance order.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	6AU (Corrective Service with Advanced Execution) 6F1 (Preventive Service with Advanced Execution)
Application Component	CRM-S4-SRV-MNO (Service with Advanced Execution)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

You can use the [Refresh Planning](#) function, for example, if the DIP (Dynamic Item Processor) profile has been changed, since such a change may result in a change in the time and costs involved. This function can also be used if the subitems are not displayed in the service order quotation after the planning is completed in the maintenance order.

10.2.1.17 Replanning of Items in Service Order Quotations

You can now replan a service order quotation that has been sent to the customer without having to create a new quotation. When the service order quotation is sent to the customer, the item status is set to [Released](#). On receiving a request for revision, you can set the status of the item to [In Process](#). This allows you to replan the item according to the customer's new requirement. The revised item can be sent to planning again.

Technical Details

Type	Changed
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Functional Localization	Not applicable
Scope Item	6AU (Corrective Service with Advanced Execution) 6F1 (Preventive Service with Advanced Execution)
Application Component	CRM-S4-SRV-MNO (<i>Service with Advanced Execution</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

10.2.1.18 Early Creation of Billable Maintenance Order with Service Order

You can now create a billable maintenance order for an execution order item in a service order which is in the status *In Process*. The feature allows you to start the planning of the service execution before the item can be released. This is useful when there is lead time for the service to start.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	6AU (Corrective Service with Advanced Execution) 6F1 (Preventive Service with Advanced Execution)
Application Component	CRM-S4-SRV-MNO (<i>Service with Advanced Execution</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

To create the billable maintenance order, you can use the *Plan All Items* function or select the checkbox *Send to Planning*.

10.2.1.19 Support for Execution Order Items in Service Order Template

Service order templates are used to create service order quotations and service orders. You can now define execution order items in service order templates.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	6AU (Corrective Service with Advanced Execution) 6F1 (Preventive Service with Advanced Execution)
Application Component	CRM-S4-SRV-MNO (<i>Service with Advanced Execution</i>)
Valid as Of	SAP S/4HANA 2023

10.2.1.20 Transfer of Field Values from Execution Order Item for Resource-Related Billing

The following fields, if maintained in the service order item, are transferred to the debit memo request.

- Terms of payment
- External purchase order reference
- Business partner of execution order item
- Alternate tax classification
- SEPA mandate reference
- Contract account reference

Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	6AU (Corrective Service with Advanced Execution) 6F1 (Preventive Service with Advanced Execution)
Application Component	CRM-S4-SRV-MNO (<i>Service with Advanced Execution</i>)
Valid as Of	SAP S/4HANA 2023

10.2.1.21 Allow Automatic Release in Recurring Service with Advanced Execution

You can now allow the automatic release of the service order and the billable maintenance order in the maintenance plan. By unchecking the checkbox *Do Not Release Immediately*, you can create the service order and the billable maintenance order in the status *Released*. With this feature the checkbox can be selected or deselected and you can decide if the service order and the billable maintenance order need to be released automatically or not.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	6F1 (Preventive Service with Advanced Execution)
Application Component	CRM-S4-SRV-MNO (<i>Service with Advanced Execution</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

If you select the checkbox *Do Not Release Immediately*, the service order is created in the status *In Process* and the maintenance order is created in the status *CRTD* (created).

10.2.1.22 Advanced Variant Configuration Enablement in Recurring Service with Advanced Execution

When scheduling a maintenance plan for a service contract item with a configurable product in Service with Advanced Execution, a service order and a billable maintenance order are generated as call objects based on

the configuration values of the service product. The configuration values of the configurable product (in this case, of the execution order item) are copied from the service contract item to the service order item.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	6F1 (Preventive Service with Advanced Execution)
Application Component	CRM-S4-SRV-MNO (<i>Service with Advanced Execution</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

With this development, the same configuration data is carried over to the billable maintenance order to determine and display the relevant operations from the configurable task list. This ensures that configuration values of the product in the service contract influence both call objects.

10.2.1.23 Enhancement to Serialized Products in Recurring Service with Advanced Execution

For serialized products (a combination of product ID and serial number) in recurring service with advanced execution, the display of the equipment ID in the service order (call object) now depends on whether the equipment view has been enabled in the Material Serial Number master. If the equipment view is enabled for a serialized product, the equipment number is automatically retrieved and displayed in the service order. If the equipment view is not enabled, the equipment field is left blank.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	6F1 (Preventive Service with Advanced Execution)

Application Component	CRM-S4-SRV-MNO (<i>Service with Advanced Execution</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

10.2.1.24 Business Partner Determination from Serialized Product

You can now determine the business partner from a serialized product. A serialized product is a combination of *product ID* and *serial number* and can be used as the main reference object in Service transactions. This partner determination was previously only possible using the equipment ID or functional location.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-MD-PRO (<i>Products</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

10.2.1.25 Enhancement to Serial Number Input Help

The serial number input help has been enhanced in all service transactions to display the equipment ID if the equipment view is enabled in the Material Serial Number master. Additionally, the label *Material* has been changed to *Product ID* in the serial number input help.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	CRM-S4-MD-PRO (Products)
Valid as Of	SAP S/4HANA 2023 FPS01

10.2.1.26 Rejecting Service Orders and Service Order Quotations

You can now reject single items in service orders and service order quotations. To do so, you assign a rejection reason to each item to be rejected. The status of the item then changes to [Completed](#).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	41Z (Service Order Management)
Application Component	CRM-S4-SRV-SVO (Service Order) CRM-S4-SRV-SVQ (Service Order Quotation)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Once you have rejected all items of a service order quotation or a service order, the status of the service order quotation or the service order changes to [Completed](#) as well.

If you create a follow-up service order for the related service order quotation, the rejected items are not copied to the service order.

Related Information

[Rejecting Service Order Quotations](#)
[Service Orders](#)

10.2.1.27 Integration with SAP Field Service Management

10.2.1.27.1 Support Assignment of Organizational Levels to Items in SAP Field Service Management

It is now possible to assign organizational levels to items from SAP S/4HANA to SAP Field Service Management.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-INT-FSM (<i>Field Service Management Integration</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Information

Whenever an item is created or changed in SAP S/4HANA, the assignment of the item to the Sales and Distribution organization and its mapping with the CRM (legacy) organization will be considered to determine the service-relevant organizational levels from the legacy organisational model. The mapping between the Sales and Distribution organization and the CRM (legacy) organization is done in the following path:

► [SAP Customizing Implementation Guide](#) ► [Service](#) ► [Master Data](#) ► [Organizational Management](#)
► [Assignment of Organizational Units to SD](#) ► [Assign Sales Organizations in Service to SD Sales Organizations](#) ►

If only a plant is assigned to an item in SAP S/4HANA, the sales organization is derived based on the assignment in the following customizing path:

► [SAP Customizing Implementation Guide](#) ► [Enterprise Structure](#) ► [Assignment](#) ► [Sales and Distribution](#)
► [Assign Sales Organization - Distribution Channel – Plant](#) ►

The service-relevant organizational levels that are derived from the legacy organizational model will be assigned to the items that are replicated from SAP S/4HANA to SAP Field Service Management. The assignment of the items to the organizational level ensures that users can access item-related data only if the relevant permissions are assigned in SAP Field Service Management.

Related Information

[Integration with SAP Field Service Management - Replicate Organizational Model](#)

10.2.1.27.2 Synchronization of Deleted Smartform Instances to SAP S/4HANA Service

It is now possible to replicate the status of a deleted smartform instance from SAP Field Service Management to SAP S/4HANA.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-INT-FSM (<i>Field Service Management Integration</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Information

Whenever a smartform instance is deleted in SAP Field Service Management, the status is also synchronized to corresponding smartform instance in SAP S/4HANA.

Related Information

[Integration with SAP Field Service Management](#)

10.2.2 In-House Repair Management

10.2.2.1 Stock Transfer of Service Parts

You can now initiate a stock transfer of service parts from a repair order, for example, from a central storage location to a specific location of a executing service employee at a repair center. Additionally, the stock transfer

order is now supported when item-based accounting is enabled, both in service order management and the in-house repair process.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	3XK (In-House Repair) 41Z (Service Order Management)
Application Component	CRM-S4-IHR (<i>In-House Repair</i>) CRM-S4-SRV-SCO (<i>CRM: Service Confirmation</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Stock Transfer of Service Parts](#)

10.3 WebClient UI Framework

10.3.1 Improvements in Horizon Visual Theme for SAP Fiori

With this feature, the horizon visual themes have been improved in WebClient UI for better usability and accessibility.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	CA-WUI-UI WebClient UI
Valid as Of	SAP S/4HANA 2023 001

10.3.2 Object page 6 column layouts

With this feature, WebClient UI object pages have been improved to display 6 column layouts for form views in wider screens.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-WUI-UI WebClient UI
Valid as Of	SAP S/4HANA 2023 001

10.3.3 In-App Help for Web Client UIs

With the enablement of SAP Companion on Web Client UIs, we are now able to provide in-app help for Service apps.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-WUI-UI (WebClientUI)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

You can display the embedded in-app help by choosing the ? (question mark) icon in the shell bar at the top of the screen. The side panel now contains context-sensitive help for some UI elements, in addition to the [What's This App?](#) tile that was previously provided.

11 Sourcing and Procurement

11.1 Sourcing and Contract Management

11.1.1 Product Sourcing

11.1.1.1 Manage Sourcing Projects

In this app, you can now add additional suppliers to a sourcing project even after the sourcing project has been published. This way, you can simply add additional suppliers without going through the process of revising the entire sourcing project and requesting new quotations from the suppliers you had already added previously.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	4RD* (Direct Material Sourcing)
Application Component	MM-PUR-SRC-SP (Sourcing Project)
Valid as Of	SAP S/4HANA 2023 FPS01

📘 Note

*Please note that you might require an additional license to use the features that are part of the SAP S/4HANA capability for product sourcing.

Additional Details

To add a supplier to a published sourcing project, open a sourcing project with the status [Published](#) and choose [Display Supplier List](#) in the [Supplier List](#) section. Choose [Revise](#) to create a new version of the supplier list for sourcing. You can now add additional suppliers. Once you are done, choose [Create](#). Then, choose [Submit](#) to submit your supplier list for approval.

In the [Supplier List](#) section of the sourcing project, the column [Supplier Status](#) enables you to identify which suppliers were added after the initial publication of the sourcing project and to keep track of which suppliers have already been approved.

Effects on Customizing

This functionality can be enabled in the configuration step [Enable Invitation of New Suppliers in Published Sourcing Projects](#). By default, this business function is turned off.

Related Information

[Manage Sourcing Projects](#)

11.2 Operational Procurement

11.2.1 Requirements Processing

11.2.1.1 Enablement for Information Retrieval in Archived Purchase Requisitions (MM_EBAN)

The ILM object MM_EBAN assigned to the archiving object for purchase requisitions is now enabled for use with the Information Retrieval Framework (IRF). The IRF allows you to search for and retrieve personal data of a specified data subject, based on a data model you define in your system.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	18J (Requisitioning), O8J (Requisitioning), 1XI (Central Requisitioning), BMD (Purchase Contract)
Application Component	MM-PUR-REQ (Purchase Requisitions)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Archiving Purchase Requisitions Using MM_EBAN](#)

11.3 Country/Region Specifics

For country/region-specific changes, please see [What's New Viewer](#).

12 Supply Chain

12.1 Logistics Cross Topics

12.1.1 Process Flow Transparency in Logistics

12.1.1.1 Extensibility for Process Flow Transparency


You can now extend process flow transparency with custom activity events.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-GEN-PFT (<i>Process Flow Transparency</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Customizing

To extend process flow transparency with custom activity events, see the Customizing activities under [► Logistics - General ► Process Flow Transparency ► Extensibility ▾](#).

To get further information and recommendations for the implementation, see the *Extensibility* chapter of the *Configuration and Operations Guide* attached to SAP Note [3365720](#) .

Related Information

[Extend Process Flow Transparency with Custom Activity Events](#)

12.2 Inventory

12.2.1 Job Scheduling - Manual Reservations

With this new app, you can schedule the mass deletion of completed manual reservations from the system.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BMC (Core Inventory Management)
Application Component	MM-FIO-IM-RSV (<i>Inventory</i>)
Valid as Of	SAP S/4HANA 2023 SPS01

Related Information

[Job Scheduling - Manual Reservations](#)

12.2.2 IAM Objects in Inventory

Changes to Identity and Access Management (IAM) objects have been delivered for Inventory.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	See the table below
Application Component	MM-FIO-IM (<i>Inventory</i>)

Effects on System Administration

IAM Objects

Name of IAM Object	Object Type	Changes	Details	Relevant Scope Items
Materials Management – Job Schedule Reservation (SAP_MM_BC_IM_RE_SVN_JOB)	Business Catalog	New	The Job Scheduling - Manual Reservations (F7554) app is now assigned to this business catalog. Prerequisite: You must have the SAP_BR_INVENTORY_MANAGER business role to access this business catalog.	BMC (Core Inventory Management) OMC (Core Inventory Management)

Related Information

[Job Scheduling - Manual Reservations](#)

12.3 Warehouse Management

12.3.1 Enhancements to the Warehouse Management Monitor

With this feature, you can display additional information for outbound delivery orders at header and item level, and for inbound deliveries at item level.

Technical Details


Type	Changed
Functional Localization	Not applicable

Scope Item	Not applicable
Application Component	SCM-EWM-MON (Monitoring)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Display Additional Information for Delivery Orders

You can display additional information for outbound delivery orders at header and item level, and for inbound deliveries at item level.

For more the full list of available fields, see SAP Note [3355585](#) .

12.3.2 Enhancement to RF Screen Personalization with SAP Screen Personas

With this feature, you can use SAP Screen Personas to enlarge the buttons on radio frequency (RF) presentation devices. Also, the system can uniquely identify each button and menu entry based on their function code. Therefore, if you adapt a button or menu entry using SAP Screen Personas, the system adapts all the buttons or menu entries with the same function code.

Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	1FS (Basic Warehouse Inbound Processing from Supplier)
	1G2 (Basic Warehouse Outbound Processing to Customer)
	1VB (Production Integration - Component Consumption and Receipt in Warehouse)
	1V7 (Warehouse Outbound Processing to Customer with Batch Management)
	1FY (Replenishment in Warehouse)
	1V5 (Warehouse Inbound Processing from Supplier with Batch Management)
	1G0 (Scrapping in Warehouse)
Application Component	SCM-EWM-RF (<i>Radio Frequency Processing</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

To be able to use SAP Screen Personas to enlarge the buttons, specify a screen layout for the presentation devices that need bigger buttons on the [SAP Easy Access](#) screen for [Extended Warehouse Management](#) under [► Master Data ► Maintain Presentation Devices ►](#). Note that screen layouts can be used only with devices using SAP GUI for HTML.

Related Information

[SAP Screen Personas](#)

12.3.3 Function Key Information on Radio Frequency Devices

With this feature, you can display function key information on the buttons on your radio frequency (RF) presentation devices, for example, [F1 Detail](#) instead of [Detail](#). To display function key information, select the [Show F Key](#) (Show Function Key on Button) checkbox on the [SAP Easy Access](#) screen for [Extended Warehouse Management](#) under [► Master Data ► Maintain Presentation Devices ►](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1FS (Basic Warehouse Inbound Processing from Supplier) 1G2 (Basic Warehouse Outbound Processing to Customer) 1VB (Production Integration - Component Consumption and Receipt in Warehouse) 1V7 (Warehouse Outbound Processing to Customer with Batch Management) 1FY (Replenishment in Warehouse) 1V5 (Warehouse Inbound Processing from Supplier with Batch Management) 1G0 (Scrapping in Warehouse)
Application Component	SCM-EWM-RF (<i>Radio Frequency Processing</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[RF Function Keys](#)

12.3.4 Printer Assignment to RF Resources

With this feature, you can assign a printer to a radio frequency (RF) resource for printing handling unit (HU) labels. For example, if you have a mobile HU printer or an HU printer mounted on a resource.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	SCM-EWM-RF (<i>Radio Frequency Processing</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

If a printer is mounted on a warehouse device, the system determines a printer according to the mapping of resource, printer pool, and printer that you defined in transaction [Assign Printer to Resource](#) (transaction / SCWM/RSRC_PRN). You can access this transaction on the [SAP Easy Access](#) screen by choosing ► [Logistics](#) ► [SCM Extended Warehouse Management](#) ► [Extended Warehouse Management](#) ► [Master Data](#) ► [Resource Management](#) ►.

If you're using a mobile printer, you can assign a printer directly in the RF printing transaction by choosing ► [05 Internal Processes](#) ► [05 Resource Management](#) ► [03 Printer](#) ►.

Effects on Customizing

You can influence the printer determination for your RF resource according to the printer pool assignment in the condition technique using [BAId: Redetermination of RF Printer from PPF Printer Pool](#) in Customizing for [Extended Warehouse Management](#) under ► [Business Add-Ins \(BAIs\) for Extended Warehouse Management](#) ► [Mobile Data Entry](#) ►.

Related Information

[RF Printing](#)

12.3.5 Assign Multiple Bins to PSA

With this feature, you can manage a production supply area (PSA) more granularly by dividing it into multiple storage bins. This lets you store stock separately and supply it to different resources or different production process steps in a work center. You can easily keep track of your stock and ensure that the right products are available for each production process.

To do this, first assign a storage bin to the product, party entitled to dispose, and PSA, and select [MES-Relevant](#) and [Allow Multiple Bin Assignment](#) in one of the following apps:

- [Assign Bin to PSA - Warehouse](#) (/SCWM/PSASTAGE)
- [Assign Bin to PSA](#) (/SCWM/PSASTAGE2)

Then, define multiple storage bins for the product, party entitled to dispose, and PSA in the [Assign Multiple Bins to PSA](#) app (/SCWM/MBINPSA).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-IF-MES (Integration with MES)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

A new app [Assign Multiple Bins to PSA](#) (/SCWM/MBINPSA) has been added for the assignment of multiple storage bins to a PSA. You can find this app on the launchpad under ► [Extended Warehouse Management](#) ► [Master Data](#) ► [Production Supply Area \(PSA\)](#) ►.

Effects on Existing Data

The [Allow Multiple Bin Assignment](#) checkbox has been added to the following apps:

- [Assign Bin to PSA - Warehouse](#) (/SCWM/PSASTAGE)
- [Assign Bin to PSA](#) (/SCWM/PSASTAGE2)

If you select this checkbox, you allow multiple storage bins to be assigned to a PSA.

Related Information

[Assignment of Storage Bins to a Production Supply Area \(PSA\)](#)

12.3.6 Staging Table Migration Approach for EWM in SAP S/4HANA

With this feature, you can migrate warehouse data to Extended Warehouse Management (EWM) in SAP S/4HANA using the staging table approach. The target system can be either EWM embedded in SAP S/4HANA

or decentralized EWM based on SAP S/4HANA. New migration objects are available for the staging table migration approach.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-MD (Master Data)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following migration objects are available:

- [Warehouse fixed bin assignment](#)
- [Warehouse stock](#)
- [Warehouse storage bin](#)
- [Warehouse storage bin sorting](#)

Related Information

[Migrate Data Using Staging Tables](#)
[Warehouse storage bin](#)
[Warehouse fixed bin assignment](#)
[Warehouse storage bin sorting](#)
[Warehouse stock](#)

12.3.7 Update Delivery in Delivery Management After Partial Goods Receipt

With this feature, you can send a final quantity update for an inbound delivery to Delivery Management (LE-SHP) after partial goods receipt but before putaway is confirmed in Extended Warehouse Management (EWM).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-DLP (Delivery Processing)
Valid as Of	SAP S/4HANA 2023 FPS1



Additional Details

You have posted one or more partial goods receipts for the inbound delivery, but you still have a partial open quantity. You aren't expecting any additional quantities to be received for the delivery. For this reason, you trigger the final quantity update by adjusting the final partial open quantity for the inbound delivery to zero.

This feature isn't supported in the customer returns process or the stock transport order process.

Effects on Customizing

You must define the document type and item type that are to be used in the EWM inbound delivery order as follows:

- Define a process profile that has the setting [Update to LE: Final Quantity After Partial Goods Receipt](#). This process profile is to be assigned to the document type.
You can find this setting for the process profile in Customizing for [Extended Warehouse Management](#) under [Cross-Process Settings](#) > [Delivery - Warehouse Request](#) > [Process Management and Control](#) > [Define Process Profile for Document Header](#) .
- Assign the process profile and the relevant status profile to the document type in Customizing for [Extended Warehouse Management](#) under [Goods Receipt Process](#) > [Inbound Delivery](#) > [Define Document Types for Inbound Delivery Process](#) .

Related Information

[Process Management and Control](#)

12.3.8 Batch-Specific Units of Measure in Embedded EWM

This feature enables you to work with batch-specific units of measure in Extended Warehouse Management (EWM) embedded in SAP S/4HANA during inbound, outbound, and internal warehouse processes, for example, physical inventory, warehouse-internal movements, or change posting.

Technical Details


Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-WOP-BF-BM (Batch Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

In the [Maintain Inbound Deliveries](#) app, you can create a batch using the new action [Create Detailed Batch](#). This action allows you to add the actual conversion factor from the batch that was received for a product with a batch-specific unit of measure.

Effects on Customizing

You activate batch-specific units of measure in Customizing for [Extended Warehouse Management](#) under [Cross-Process Settings](#) > [Batch Management](#) > [Activate Batch-Specific Units of Measure](#) .

You can minimize the number of pick warehouse tasks needed for a material with a batch-specific unit of measure by using example implementation /SCWM/CL_EI_CORE_RMS_DET_BSUOM of [BADl: Filtering and/or Sorting of Quants](#) in Customizing for [Extended Warehouse Management](#) under [Business Add-Ins \(BADIs\) for Extended Warehouse Management](#) > [Goods Issue Process](#) > [Strategies](#) > [Stock Removal Strategies](#) .

Related Information

[Batch-Specific Units of Measure in Embedded EWM](#)

12.3.9 Enhancement to Integration with SAP Warehouse Robotics

With this feature, you can integrate with SAP Warehouse Robotics for enhanced warehouse order processing. That is, you can configure warehouse orders in a way that warehouse tasks are created with generic destination storage bin. Then, SAP Warehouse Robotics retrieves these orders and sends them to a fleet management system for processing. The fleet management system determines the destination storage bins for these orders based on the storage type, or the storage type and storage section.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-IF (Interfaces)
Valid as Of	SAP S/4HANA 2023 FPS01
	SAP S/4HANA 2022 SPS04
	SAP S/4HANA 2021 SPS06
	SAP S/4HANA 2020 SPS08
	SAP S/4HANA 1909 SPS10

Additional Details

In EWM, you configure that warehouse tasks are not created with a specific destination bin. For more information about detailed configuration steps, see the [Requirements for Warehouse Tasks](#) section in [Additional Requirements in SAP EWM](#). And implement the SAP Note [3381809](#).

In addition, download the latest T331 file (Storage Type Control) from EWM using the report in SAP Note [3200063](#).

Related Information

[Determination of Destination Storage Bins by Fleet Management Systems](#)

12.4 Delivery and Transportation

12.4.1 Delivery Management

12.4.1.1 Freight Order Assignment in Outbound Deliveries

With this feature, you can now use freight orders as selection criterion for outbound deliveries. When creating an outbound delivery based on transportation planning, the delivery document references the related freight orders. In the result list, the first freight order assigned to the outbound delivery is displayed.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	LE-SHP-DL (Delivery Processing)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

You can use freight orders as selection criterion in the [Outbound Delivery Monitor](#) (VL06O) app.

Related Information

[Working with the Delivery Monitor](#)

12.4.1.2 Multiple Address Handling for SAP Business Partner in Delivery Management

With this release, the consumption of specific parts of the SAP Business Partner data model is enabled for SOAP APIs and IDocs in Delivery Management. These parts provide multiple addresses with time-dependent validities and address-dependent data per business partner master record.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock)
Application Component	LE-SHP-GF (<i>Shipping</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The handling of multiple addresses per business partner is enabled for the following SOAP APIs in Delivery Management:

- [Outbound Delivery – Notify \(B2B\)](#) (DELIVERYREQUEST_OUT)
- [Inform of Outbound Delivery](#) (DeliveryInformation_Out)
- [Notify of Outbound Delivery_V1](#) (DespatchedDeliveryNotification_Out_V1)

For the following IDoc types, multiple address handling is enabled:

- DESADV01
- DLVRY07

Related Information

[Multiple Address Handling for Business Partners in Sales and Distribution](#)
[Outbound Delivery – Notify \(B2B\)](#)
[Inform of Outbound Delivery](#)
[Notify of Outbound Delivery_V1](#)

12.4.1.3 Printing Dangerous Goods Information on Delivery Output

Product compliance information for dangerous goods is now visible in the delivery note and picking list.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock) 3G8 (Dangerous Goods in the Value Chain)
Application Component	LE-SHP-GF-OM (<i>Output Determination for Deliveries</i>)
Valid as Of	SAP S/4HANA 2023 SPS01

Additional Details

The following templates provided by SAP for these documents contain this information by default:

- RVDELNOTE (Delivery Note)
- SD_PICK_LIST (Picking List)

You can copy and extend these templates to suit your needs or use them as an example of how to add the dangerous goods information to your own templates.

Related Information

[Printing of Dangerous Goods Information on Delivery Documents via Output Determination \[page 199\]](#)

[Output of Dangerous Goods Data on Delivery Documents](#)

[Delivery Note](#)

[Picking List](#)

[Printing and Communication in Delivery Management](#)

12.4.2 Transportation Management

12.4.2.1 Access to Additional GIS Provider Features

With this feature, you can use a new parameter ("Various") in the process controller strategies for single and matrix routing based on SAP HANA spatial services to generically access geographical information system (GIS) provider features that are not offered by the SAP HANA spatial services API. You can use this concept, for example, to reduce your toll costs significantly by avoiding toll roads in the determined routes.

For more information, see SAP Note [2751622](#)  (Setup Guide for SAP HANA Spatial Services in SCE Applications).

Since August 2023, SAP HANA spatial services offers Trimble as a provider. For more information, see the SAP HANA spatial services product page <https://help.sap.com/docs/sap-hana-spatial-services> under ► [What's New](#) ► [What's New in the SAP HANA Spatial Services](#) ► (What's New from August 14, 2023).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-MD-TN-HSS (Integration with HANA spatial services)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Standard Integration with SAP HANA spatial services](#)

12.4.2.2 Enhancements for Freight Order Management

With this feature, several functions in Freight Order Management have been enhanced.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-FRM-FRO (Freight Order) TM-FRM-CON (Consignment Order)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following enhancements have been made:

- **Enable freight unit determination for customer returns orders in consignment orders**
When a consignment order is sent to announce a customer return, the receiving system of the supplier can now find the freight units that are related to the customer returns order number.
The web service [TransportationOrderGenericRequest_In](#) has been enhanced for business scope **Advanced Shipping Notification (ASN)**. The web service now supports an additional document type for inbound messages (ASN), for example, from suppliers.
If the inbound message contains a customer returns order number and the type code for return orders (type code 32), the system can now find the freight units in the receiving system and assign them to the related consignment order.
The system also finds the related freight units if you enter a customer returns order number on the UI manually.
- **Trigger Customer Invoices Based on Events**
You can define upon which event the customer invoice is triggered. You can choose the event in Customizing for [Transportation Management](#) under ► [Freight Order Management](#) ► [Freight Order](#) ► [Define Freight Order Types](#) . Choose a freight order type and, in the execution settings, select an event from the drop-down list for [Expected Event for Customer Invoice](#). As soon as this event is posted for your freight order, the creation of the customer invoice is triggered.
For more information, see [Follow-Up Processes](#).
- **Insert Requirement Documents by ID Without Matching Locations**
The function to insert requirement documents based on IDs was enhanced by a [Settings](#) section. In this section, you can choose to insert an unplanned stage if there are no locations that match the capacity document.
- The node [Attachment Folder](#) was added under ► [Transportation Management](#) ► [Basic Functions](#) . It contains the organizational activity [Define Settings for the Attachment Folder](#).
- The Customizing activity [Define Transportation Activities and Event Codes](#) was added under ► [Freight Order Management](#) ► [Execution Settings](#) . For more information, see [Event Profiles](#).
- In the execution settings for the Customizing activity [Define Freight Order Type](#), a field value was renamed from [Freight Order for Customer Self-Delivery or Pick-Up](#) to [Relevant for Customer Self-Delivery or Pick-Up](#).
- In the basic settings for the Customizing activity [Define Consignment Order Type](#), the field [Self-Dlv./Cust. PU](#) with the value [Relevant for Customer Self-Delivery or Pick-Up](#) was added.
For more information, see the What's New document for [Consignment Orders for Customer Pick-Up \[page 279\]](#)

Related Information

[Customer Returns: Inbound Process](#)

[Creation or Update of Consignment or Freight Orders on Inbound Messages](#)

[Advanced Shipping and Receiving](#)

[Follow-Up Processes](#)

[Consignment Orders for Customer Pick-Up](#)

12.4.2.3 Loading Status on Item Level at the Port or Airport

With this feature, you can set the loading status for individual items of a freight booking at a port or an airport. You can specify which items were loaded and reassign the items that were not loaded to another freight booking. If items were loaded but the system shows a different status, you can change the loading status.


Document errors are created for items that were left behind. You can search your freight booking worklist for freight bookings containing document errors for items that weren't loaded at a port or an airport.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-FRM (Freight Order Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

You can activate this feature in Customizing for [Transportation Management](#) under [Freight Order Management](#) > [Execution Settings](#) > [Define Event Profiles](#) . Select the checkbox [Itm Load. Stat. Port](#) (Activate Loading Status on Item Level at Port/Airport) for the event profile used for the freight booking type.

 **Note**

If you activate this setting, loading and unloading events of the top cargo level are only propagated to the freight booking at the port of loading/port of discharge, not at the pick shipping point.

Effects on Customizing

The Customizing activity [Define Event Profiles](#) was enhanced by the field [Itm Load. Stat. Port](#) (Loading Status on Item Level at a Port or an Airport).

Related Information

[Cargo Left Behind at Port/Airport](#)

12.4.2.4 Enhancements for Handling Errors in Business Documents (Checks)

With this feature, the functions for handling errors in business documents have been enhanced with additional checks.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-FRM-FRO (<i>Freight Order</i>) TM-FRM-CON (<i>Consignment Order</i>) TM-FRM-ASR (<i>Advanced Shipping and Receiving</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Additional checks have been enabled to handle errors in business documents, such as for the following types of errors:

- **Quantity is 0**
When an inbound message (ASN or EDI communication) arrives to create or update a consignment order or freight order, the system checks the quantity that has been sent with the message. If the quantity is 0, the system creates an error on the [Documents Errors](#) tab.
- **Missing or Invalid Unit of Measure**
When an inbound message (ASN or EDI communication) arrives to update a consignment order or freight order, the system checks the unit of measure that has been sent with the message. It checks whether if the unit of measure for the material that has been sent matches one of the units of measure maintained in the material master data. If there isn't a match and the material master data doesn't include a conversion factor for converting the alternative unit of measure to the base unit of measure, the system creates an error on the [Documents Errors](#) tab. If the message doesn't contain a unit of measure, the system also creates an error.
- **Deviating Goods Supplier**
Up to now, if an inbound message (ASN) had no goods supplier assigned and there were **different** goods suppliers assigned to the freight units, the system couldn't create a consignment order and such inbound messages weren't processed. The creation of the consignment order failed.
Now, the system takes the goods supplier assigned to one of the freight units to create the consignment order. In addition, the system creates an error on the [Documents Errors](#) tab for all document items of the

inbound message that belong to freight units that don't have the same goods supplier assigned to them as in the consignment order.
For more information about how to solve the errors, see the message long texts on the [Documents Errors](#) tab.

Related Information

[Correction of Errors in Business Documents](#)
[Creation or Update of Consignment or Freight Orders on Inbound Messages](#)

12.4.2.5 Enhancements for Manual Planning and Transportation Cockpit

With this feature, you can use improved usability features in the [Define Field Catalogs for Transportation Cockpit](#) app. Further, you can indicate a packaging material when you create a package unit.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-PLN-TC (Transportation Cockpit); TM-PLN-MP (Manual Planning)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following functions are available:

- When you create a package unit using the [Package Unit](#) button in the following lists and hierarchies, you can now also indicate a packaging material:
 - Package unit list
 - Package unit hierarchy
 - Package unit stage hierarchy
 - Freight unit/package unit stage hierarchy

- Field catalogs are now available for all lists and hierarchies of the transportation cockpit. Note that field catalogs are not supported for lists and hierarchies for detail areas which can be embedded in the transportation cockpit from external applications, such as single document user interfaces. For more information, see SAP Note [3362076](#).
Further, the usability of the *Define Field Catalogs for Transportation Cockpit* app has been improved (see SAP Note [3363933](#)). For example, you can change the sequence of fields that are displayed by default in the *Field Catalog Components* section by moving them up and down or by entering another sequence number. Further, the number of all field catalogs and field catalog components is displayed as well as how many of them are selected. Dual views also support field catalogs.

Effects on Existing Data

- A new field *Packaging Material* has been added to the *Create Package Unit* dialog box.
- New fields have been added to the field catalogs for the freight unit stage list:
 - EWM Delivery*
 - EWM Delivery Category*
 - EWM Delivery Category Description*
- In the freight unit stage list, the following quick view has been added:
 - EWM Delivery*
- In the road freight order hierarchy, new status values have been added to the *Warehouse Processing Status* button:
 - Set to Ready for Warehouse Processing*
 - Set to Not Ready for Warehouse Processing*

12.4.2.6 Enhancements for Scheduling and Automatic Planning

With this feature, two new fields are available in the scheduling settings. Further, several new functions are available in the area of driving time and working hours constraints.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable

Additional Details

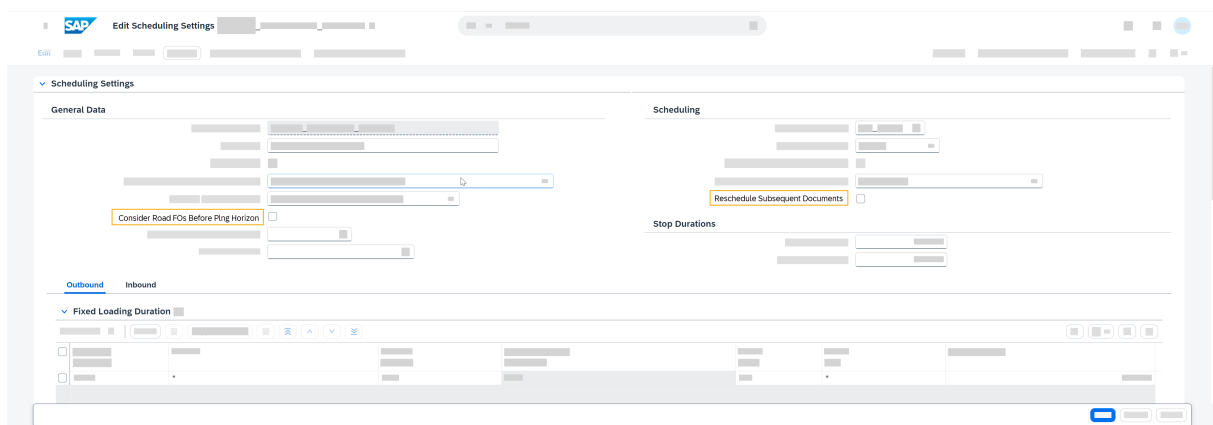
The following functions are available:

- A new parameter is available which specifies whether subsequent road freight orders assigned to the same truck resource within the planning horizon are to be re-scheduled too when you re-schedule a road freight order. This parameter is relevant for scheduling only.
- Inbound and outbound information is passed to the vehicle scheduling and routing (VSR) optimizer based on the business transaction document (BTD) type code. The VSR optimizer now considers this information if you have selected [New Freight Order when Resource Is Empty](#) in the [FO Building Rule](#) field in your optimizer settings (this feature is available since calendar week 40, 2023 in the VSR optimizer). That means, if one or several outbound freight units are assigned to a freight order and there is one consecutive inbound freight unit that is delivered by the same resource to the source location of the freight order, the freight order also contains the inbound freight unit even though the resource is empty when loading it.
- In the area of driving time and working hours constraints, the following new functions are available:
 - Subsequent activities on the same resource within the planning horizon are taken into account during scheduling as context for driving time and working hours in addition to preceding activities. This is important if you use backward scheduling.
 - If service activities, such as loading or coupling, are allowed by your rest type, only "true" rests are displayed in the Gantt chart. That means, no rests are shown in parallel to service activities because the driver is actually working and not resting.
 - When you use drag and drop in the Gantt chart, the system considers road freight orders assigned to the same resource before or after the dropped road freight order during scheduling.
 - Scheduling and VSR optimization also consider other road freight orders that are planned on the same single resources **before** the planning horizon when determining rests. You can define this in the scheduling settings.
 - You can upload and download driving time and working hours constraints in the scenario builder by using a predefined template.

Effects on Existing Data

The following fields have been added to the [Create Scheduling Settings](#) app and the [Edit Scheduling Settings](#) app:

- [Reschedule Subsequent Documents](#)
- [Consider Road FOs Before Plng Horizon](#)



These fields are also available in the [Change Planning Settings](#) dialog box of the [Transportation Cockpit](#) app.

Related Information

[Considering Driving Time and Working Hours Constraints](#)
[Freight Order Building Rule](#)

12.4.2.7 Enhancements for Load Planning and Load Consolidation

With this feature, you can use drag and drop in the 3D load plan to move unplanned objects into a truck, trailer, or container and to change the positions of planned objects in the cargo space. Further, product orientation profiles are now taken into account by load planning and load consolidation, and you can change the orientation of your top-level products and packages in the 3D load plan and the load plan hierarchy. Finally, the free positioning approach now also supports a number of load planning rules.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-PLN-LP (Load Planning); TM-PLN-LP-OPT (Load Optimization)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following functions are available:

- Load planning and load consolidation now take product orientation profiles into account. Note that the row-stack approach supports *Bottom Straight* and *Bottom Turned* only. Load consolidation supports the row-stack approach only.
- You can now change the orientation of your top-level products and packages in the 3D load plan using keyboard shortcuts, the *Change Orientation* button, or the context menu. In the load plan hierarchy, you can change the orientation in the *Orientation* field. Note that you can only change the orientation according to the orientations that you have allowed for the product in the product orientation profile. As a prerequisite, you must have activated manual load planning in Customizing. The behavior of the *Rotate* button has also been adapted. If the orientation is *Left Straight*, for example, the button changes it to *Left Turned* and vice versa.
- You can now adjust a load plan manually using drag and drop to move products and packages inside a truck, trailer, or container. Further, you can create a new load plan by moving unplanned products and packages into a truck, trailer, or container using drag and drop. You can drag and drop one object or a group of objects. When dragging, the system allows you to snap the dragged objects to a target object with the help of visualized markers. When you move an object or a group of objects along an axis, the system guides you in this axis-aligned movement. This movement can be fixed by pressing the SHIFT key. The drag and drop action can be stopped by pressing the ESC key. A successful drag and drop action can be undone and redone. The axle loads are recalculated after a successful drag and drop action. If you want to place an object next to another object or next to the wall of the cargo space, you can temporarily activate collision detection by pressing the CTRL key. The drag and drop action is then aborted if the object collides with any other object. As a prerequisite, you must have activated manual load planning and drag and drop in Customizing.
- New rules are available for load planning:
 - 2102 Heavy packages should be positioned at the bottom
 - 2162 Reduce gapsThey are supported by the free positioning approach only. The following existing rules are now also supported by the free positioning approach: 2100, 2101, 1100, 2160, 8021, and 8024.
- The description of the following rules has been changed:
 - 8021 – Load all packages turned
 - 8024 – Load all packages straight
 - 2100 - Packages with high density should be at bottom of the stack

Effects on Customizing

You define product orientation profiles in Customizing for *Transportation Management* under ► *Master Data* ► *Product* ► *Define Product Orientation Profile* .

You activate manual load planning by selecting the *Enable Manual Load Planning* checkbox in Customizing for *Transportation Management* under ► *Basic Functions* ► *Load Planning* ► *Define Layouts for 3D* ► *Load Plan* . You activate drag and drop by selecting the *Enable Drag and Drop* checkbox in this Customizing activity.

Related Information

[Load Planning](#)
[Load Plan](#)

12.4.2.8 Reverse Auction

With this feature, you as a shipper, can allow carriers to revise their bids and view the current best rates for the lanes.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-FRA-RFQ (Freight Agreement Request for Quotation)
Valid as Of	SAP S/4HANA 2023 SPS01

Additional Details

If you need to create an incident regarding this feature, use component TM-FRA-RFQ

Effects on Customizing

You've defined the following in the Customizing for [Transportation Management](#), under [► Master Data](#)
[► Agreement RFQs and Quotations](#) ⌵:

- You've selected [Advanced RFQs](#)
- You've selected [Enable Capacity Demand and Rates](#)
- You've selected [Enable Reverse Auction](#)
- (Optional) You've selected [Allow Carriers to Increase their Bids](#) if you want to enable your carrier to quote higher than the previous bid. You can select this checkbox, only if you've selected [Enable Reverse Auction](#) for the RFQ

Related Information

[Reverse Auction](#)

12.4.2.9 Enhancements in Freight Request for Quotations

With this feature, you as a shipper, can specify multiple carriers in the carrier table. Carrier table contains details about the status of the individual Request for Quotations (RFQs), if available.

Also, the system automatically updates the award confirmation status for master RFQ once the confirmation for an individual RFQ is available.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-FRA-RFQ (Freight Agreement Request for Quotation)
Valid as Of	SAP S/4HANA 2023 SPS01

Additional Details

If you need to create an incident regarding this feature, use component TM-FRA-RFQ.

Related Information

[Freight Agreement RFQ Master Award Confirmation](#)

12.4.2.10 Controlled Change Process for Freight and Forwarding Settlements

With this feature, you can control the change process strategy for settled charge lines when there's an increase in the settled charge lines.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-FRS (<i>Freight Settlement</i>) TM-FWS (<i>Forwarding Settlement</i>) TM-FWS-INT (<i>Internal Settlement</i>)
Valid as Of	SAP S/4HANA 2023 SPS01

Additional Details

You can control the change process strategy for settled charge lines when there's an increase in the charge lines from the Customizing activity for [Transportation Management](#) under ► [Basic Functions](#) ► [General Settings](#) ► [General Settings for TM](#) .

For more information, see [Controlled Change Process for Freight and Forwarding Settlements](#).

Related Information

[Automatic Change Management for Freight Settlements](#)

12.4.2.11 Sales Order Scheduling Based on TM Durations

With this feature, you can use Transportation Management's new Transportation Requirement Routing and Scheduling (TRS) capability when calculating the delivery date of a sales order in Sales and Distribution (SD). The scheduling of a sales order employs the determination capabilities of advanced Available-to-Promise (aATP) and Business Process Scheduling (BPS), which rely on TM for durations provided by TRS.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-INT-LI-SD (Integration with Sales and Distribution); TM-PLN-PS (Profiles and Settings)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

TRS is a new foundation module that supports various functions, such as route determination and transportation duration determination. TRS enables you to determine the transportation durations of your requirements in an order-based scheduling scenario. Based on this information, scheduling is performed in BPS when you enter the material and press ENTER while creating a sales order. When you save the sales order, freight units are created and the calculated delivery date is passed on.

A new profile, transportation duration determination profile, that allows you to define how transportation durations are to be determined is available. In this profile, you can indicate one or several routing methods:

- Default route determination
- Lane, distance, and duration determination
- Straight-line determination

Further, you can indicate the sequence in which the system is to perform them. You can also indicate a planning profile if you want to use the fixed loading durations and durations for the [Prepare](#) and [Finalize](#) activities that you have defined there. To create transportation duration determination profiles, open the [Profiles and Settings - Worklist](#) app from the launchpad, select the [All Transportation Duration Determination Profiles](#) query and then the [New](#) button.

The TRS test cockpit allows you to simulate the determination of transportation durations. You can then analyze the result. To start the TRS test cockpit from the SAP Easy Access menu, choose ► [Transportation Management](#) ► [Administration](#) ► [Transportation Requirement Routing and Scheduling](#) ► [TRS - Test Cockpit](#) ►.

Note

- This feature is only available for internal TM component integration. That means, TM and SD must operate in a single SAP S/4HANA system.
- This feature is only available for sales orders.
- Incoterm locations are supported. That means that the calculated delivery date relates to the arrival of cargo at the incoterm location.

Effects on Customizing

For the integration with SD, aATP and BPS to work, you need to do the following:

- You need to assign your transportation duration determination profile to your logistics integration profile. To do so, a new area [Business Process Scheduling](#) has been added to the logistics integration profile. For more information, see Customizing for [Transportation Management](#) under ► [Integration](#) ► [Logistics Integration](#) ► [Internal TM Component Integration](#) ► [Define Logistics Integration Profile](#) ►.
- You need to define the transportation relevance of your sales documents. For more information, see Customizing for [Transportation Management](#) under ► [Integration](#) ► [Logistics Integration](#) ► [Internal Component Integration](#) ► [Define Transportation-Relevance of Sales Documents](#) ►.
- You need to define activities for BPS, such as [Load](#) or [Travel](#). For more information, see Customizing for [Cross-Application Components](#) under ► [Advanced Available-to-Promise \(aATP\)](#) ► [Business Process Scheduling \(BPS\)](#) ► [Scheduling Schema](#) ► [Define Activities for BPS](#) ►.
- You need to define a BPS schema. In the BPS schema, on the [Attribute Determination](#) view, you have indicated, for each of these activities, that the duration from TM should be used. For more information, see Customizing for [Cross-Application Components](#) under ► [Advanced Available-to-Promise \(aATP\)](#) ► [Business Process Scheduling \(BPS\)](#) ► [Scheduling Schema](#) ► [Maintain BPS Schema](#) ►.

Related Information

[Transportation Requirement Routing and Scheduling](#)
[Integration of Sales Order Scheduling](#)
[Activity Attributes for Business Process Scheduling \(BPS\)](#)

12.4.2.12 Enhancements for Purchase Scheduling Agreements

With this feature, you can control the number of freight units (FU) TM creates for a purchase scheduling agreement by setting a time range that dynamically controls the number of schedule lines taken into account during freight unit building.

Technical Details

Type	Changed
Functional Localization	Not applicable

Application Component	TM-INT-LI-MM (<i>Integration with Material Management</i>)
Valid as Of	SAP S/4HANA 2023 FP01

Additional Details

With this feature, you can also seamlessly integrate existing purchase scheduling agreements into TM by maintaining the relevant customizing activities.

Effects on Customizing

A new customizing activity, *Define Rule Group to Determine Integration Time Range of Purchase SAGs*, is available under ► *Integration* ► *Logistics Integration* ► *Internal TM Component Integration* ►.

Related Information

[Integration Time Range for Purchase Scheduling Agreement](#)

12.4.2.13 Enhancement for Deliveries

With this feature, you can delete LE deliveries from Transportation Management (TM). Besides, the automatic creation of inbound deliveries for error-free freight units (FU) in a consignment order has been enabled.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-INT-LI-LE (<i>Integration with Logistics Execution</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Delivery Deletion

To delete a delivery, certain requirements must be met:

- The deletion of deliveries is available in an embedded setup.
- Deliveries must originate in Logistics Execution (LE).
- Planned FUs must first be removed from their freight Order (FO).
- Finally, freight units (FU) must be delivery-based and unplanned.

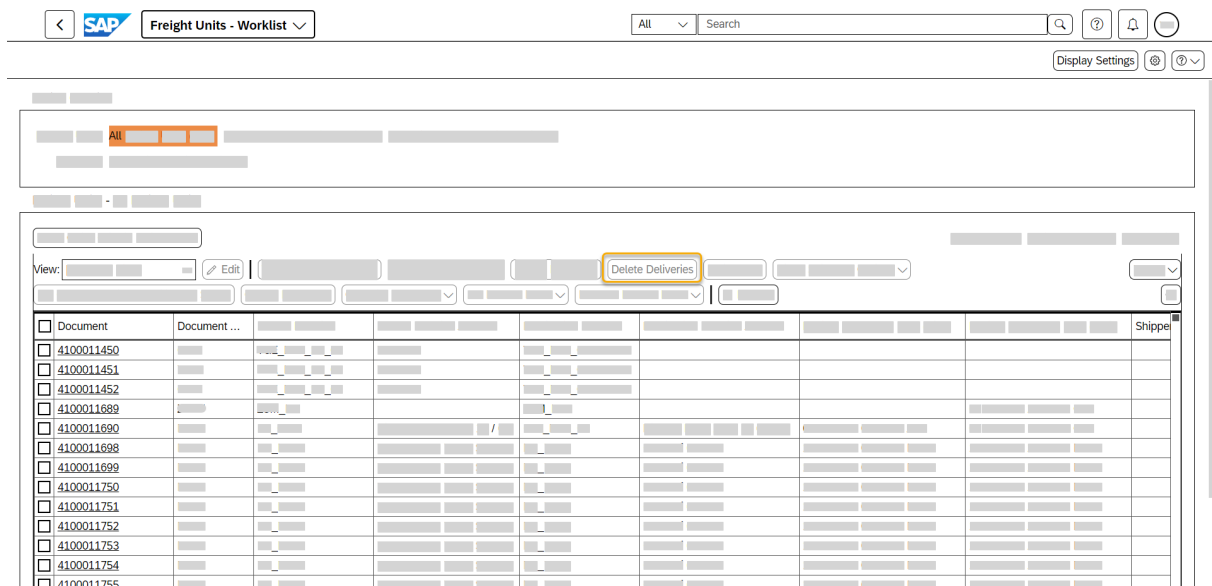
Automatic Creation of Inbound Deliveries

In the context of the automatic creation of inbound deliveries out of consignment orders, consider the following:

- TM builds deliveries for error-free FUs.
- FU document errors must be corrected on the [Document Errors](#) tab page so that TM can build the corresponding deliveries.
- TM assigns FUs to deliveries based on their external delivery number. FUs with the same number are grouped into the same deliveries.

Effects on Existing Data

A new button, [Delete Deliveries](#), has been introduced to the [Freight Units - Worklist](#).



Related Information

[Delivery Deletion](#)

12.4.2.14 Paperless Shipment

With this feature, you can send attachments of the type *file* alongside your *Transportation Generic Ordering Out* service and receive them with your *Transportation Generic Ordering In* service.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM- INT (<i>Integration</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Transportation Generic Ordering In](#)
[Transportation Generic Ordering Out](#)

12.4.2.15 Consignment Orders for Customer Pick-Up

With this feature, you can create consignment orders for customer pick-up. When the consignment order is ready for shipping, the customer receives a notification that the freight has been made available. All transportation planning activities are carried out by the customer.

Consignment orders for pick-up are relevant for consignment orders with incoterms *EXW* (Ex Works) and *FCA* (Free Carrier).

Technical Details

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

Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-FRM (Freight Order Management) TM-FRM-ASR (Advanced Shipping and Receiving)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

You can only assign freight units with incoterm **EXW** or **FCA** with a statistical stage to freight orders for self-delivery or pick-up or to consignment orders for customer pick-up.

To use this feature, you set up the following in Customizing for [Transportation Management](#):

- Under [Integration](#) [Logistics Integration](#) [Define Logistics Integration Profile](#) you've selected the [Advanced](#) stage building variant to consider incoterm locations 1 and 2 for building stages for freight units. This includes the use of statistical stages. For more information on stage building variants, see [Logistics Integration Profile](#)
- Under [Freight Order Management](#) [Consignment Order](#) [Define Consignment Order Types](#), you've selected [Relevant for Customer Self-Delivery or Pick-Up](#) in the [Self-Delivery/Customer PU](#) field.

Effects on Customizing

In Customizing for [Transportation Management](#) under [Freight Order Management](#) [Freight Order](#) [Define Freight Order Type](#), a field value was renamed from [Freight Order for Customer Self-Delivery or Pick-Up](#) to [Relevant for Customer Self-Delivery or Pick-Up](#).

In the basic settings for the Customizing activity [Define Consignment Order Type](#) under [Freight Order Management](#) [Consignment Order](#), the field [Self-Div./Cust. PU](#) with the value [Relevant for Customer Self-Delivery or Pick-Up](#) was added.

Related Information

[Consignment Orders for Customer Pick-Up](#)

12.4.2.16 Enhancements for Advanced Shipping and Receiving

With this feature, several functions in Advanced Shipping and Receiving have been enhanced.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-FRM-ASR (Advanced Shipping and Receiving)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Handle Incomplete Warehouse Loading Stops at Checkout of a Truck

With this feature, you can define how to continue with the execution if not all warehouse loading stops at the shipping point have the status [Loaded](#), but your truck needs to check out. This can be useful, for example, if a warehouse door is blocked by another truck, or if not all loading activities could be reported in the system.

You can choose one of the following options:

- Continue execution and create document error for status mismatch
A document error is created because the status of one or more warehouse loading stops and the status of the main stop don't match.
- Unassign freight that wasn't loaded
The freight is unassigned and has to be planned again.
- Reassign freight that wasn't loaded to be pick up later
A new stop for the shipping point is added to the freight document later in the sequence. The truck can check out and come back later to pick up the remaining goods.

You define how to handle not completed warehouse loading stops in Customizing for [Transportation Management](#) under [Freight Order Management](#) → [Execution Settings](#) → [Define Event Profiles](#) → [Hdl Not Cmpl Stops](#).

ⓘ Note

The settings for handling not completed warehouse loading stops only apply if the event profile for [Loading End](#) events is set to [Optional: Report Event Manually or Via Service](#) for Advanced Shipping and Receiving Locations. Other event profile settings might lead to a check out block.

This setting only applies to freight orders.

For more information, see the following:

- Section [Check Out](#) in [Checks for Handling Execution Status-Relevant Events](#)
- Section [Advanced Shipping and Receiving](#) in [Follow-Up Processes](#)

Handle Consignment Orders for Customer Pick-Up (Incoterm EXW)

You can create consignment orders for customer pick-up. For more information, see the What's New document [Consignment Orders for Customer Pick-Up \[page 279\]](#).

Handle Errors in Business Documents

Additional checks have been enabled to handle errors in business documents. For more information, see [Enhancements for Handling Errors in Business Documents \(Checks\) \[page 266\]](#).

Effects on Customizing

The Customizing activity [Define Event Profiles](#) was enhanced by the field [Hdl Not Cmpl Stops](#) (Handling of Not Completed Warehouse Stops).

Related Information

[Follow-Up Processes](#)

[Checks for Handling Execution Status-Relevant Events](#)

[Consignment Orders for Customer Pick-Up](#)

12.4.2.17 Tax Settings for Freight Settlements in External System

With this feature, you can specify whether the tax is calculated at the charge type level for countries/regions and the tax indicators for the charge types for countries/regions also from the Customizing of the SAP ERP system.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	TM-FRS (Freight Settlement)
Valid as Of	SAP S/4HANA 2023 SPS01

Additional Details

For freight settlement, you can specify whether the tax is calculated at charge type level for countries/regions and the tax indicators for the charge types for countries/regions also from the Customizing of the SAP ERP system. However, during settlement posting, the system prioritizes the Customizing settings in the TM for SAP S/4HANA system even though you've specified the Customizing settings in the SAP ERP system.

Related Information

[Tax Determination](#)

12.5 Advanced Order Promising

12.5.1 Product Availability Check (CA-ATP-PAC)

12.5.1.1 Bucket Logic in Product Availability Checks

With this feature, you can now configure availability checks to use either a progressive or conservative logic for including receipts in the calculation of available quantity.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-PAC (ATP: Product Availability Check)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The time series for product availability checks uses buckets to aggregate receipts and demands. While requirements are always evaluated at the start of the bucket, receipts can be considered with different options to generate more realistic confirmations. In transaction OVZ9, you can use the *Bucket Logic* field in *Future Supply* to define how supplies are evaluated when availability is checked:

- If you choose *Progressive*, receipts are confirmed at the start of the bucket (as was the case up to and including SAP S/4HANA 2023 FPS0.)
- If you choose *Conservative*, receipts are confirmed at the end of the bucket, meaning a requirement using quantity from a specific receipt element can only be confirmed one bucket after the receipt.

Effects on Customizing

You can use the *Bucket Logic* field for check scopes defined in the SAP Customizing Implementation Guide in activity *Configure Scope of Availability Check* available at ► *Cross-Application Components* ► *Advanced Available-to-Promise (aATP)* ► *Product Availability Check (PAC)* ► and for which the *Advanced Available-to-Promise Functions* are active.

Related Information

[Scope of Advanced Availability Check](#)

12.5.1.2 Check Horizon with BPS Schema in Product Availability Checks

With this feature, the check horizon has been enhanced to offer more flexibility by using Business Process Scheduling (BPS) to calculate the end of replenishment lead time.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-PAC (<i>ATP: Product Availability Check</i>)

Additional Details

If, in transaction OVZ2A, you enter a BPS schema in the [BPS Schema for Check Horizon](#) column for a checking group, the system uses the BPS values for duration, time zone, and calendar to calculate the end of replenishment lead time.

If no BPS schema is entered, the system uses the replenishment lead time parameters maintained for the supplying plant and in the material master data.

Effects on Customizing

You can use the [BPS Schema for Check Horizon](#) field for checking groups in the SAP Customizing Implementation Guide in activity [Define Availability Checking Group Behavior](#) available at [Cross-Application Components](#) [Advanced Available-to-Promise \(aATP\)](#) [Define Availability Check Groups](#) and for which the [Advanced Available-to-Promise Functions](#) are active.

Related Information

[Check Horizon](#)
[Business Process Scheduling \(BPS\)](#)

12.5.1.3 Product Availability Checks Without Batch Checks

With this feature, you can configure your system to consider all quantities only at plant or storage location level when availability is checked.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)

Application Component	CA-ATP-PAC (<i>ATP: Product Availability Check</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

You can use the *Without Batch Check* indicator to configure your system to check availability at plant and storage location level only and to ignore any batches specified for schedule lines in orders:

- If you activate the *Without Batch Check* indicator, the availability check will confirm the full quantity available at plant/storage location level. The confirmed quantity is not restricted by the requested batch.
- If you do not activate the *Without Batch Check* indicator, the availability check will confirm the quantity available in the requested batch.

Effects on Customizing

You can use the *Without Batch Check* indicator for check scopes defined in the SAP Customizing Implementation Guide in activity *Configure Scope of Availability Check* available at ► *Cross-Application Components* ► *Advanced Available-to-Promise (aATP)* ► *Product Availability Check (PAC)* ► and for which the *Advanced Available-to-Promise Functions* are active.

Related Information

[Storage Location and Batch Level
Product Availability Check \(CA-ATP-PAC\)](#)

12.5.2 Product Allocation (CA-ATP-PAL)

12.5.2.1 Enhancements in Product Allocation Planning Data Upload

With this feature in the *Manage Product Allocation Planning Data* app, via the file upload, you can delete characteristic value combinations as well as change the activation status of planning data, and change the constraint status.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-PAL (ATP: Product Allocation)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Use the [Download](#) function to create an .xlsx or .csv file containing all existing product allocation planning data for a product allocation object and time period. In the downloaded file, you can mark existing characteristic value combinations for deletion and select to also delete existing order consumptions. In addition, you can change the activation status of planning data and change the constraint status by entering predefined values in the downloaded file.

Effects on System Administration

For the deletion of characteristic value combinations with order consumptions, users require the authorization object M_PAO_CVC and activity ACTVT (value [36 Extended Maintenance](#)) to be assigned to the business role.

Related Information

[Using File Uploads for Maintaining Planning Data](#)

12.6 Extended Service Parts Planning

12.6.1 Mass Deactivate Planning Status

With this feature you can set the planning status to [Marked for deactivation](#) for a selection of products and either plants or MRP areas by using report /SAPAPO/ESPP_PLSTA_PHASEOUT.

Previously, the material master transaction MM02 had to be used for each single material for this purpose. Now you can mass deactivate the planning status for several products at once.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-AP0-SPP
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Extended Service Parts Planning-Relevant Product Creation in SAP S/4HANA](#)

12.7 Country/Region Specifics

For country/region-specific changes, please see [What's New Viewer](#).

13 Integration

13.1 Business Network Integration

13.1.1 Integration with SAP Ariba Applications

13.1.1.1 Guided Buying Capability with SAP Ariba Buying (2NV)

The [Guided Buying Capability with SAP Ariba Buying \(2NV\)](#) now enables buyers to view the updated status changes in guided buying for requests that are rejected in SAP S/4HANA. The status is updated based on the edits made in SAP S/4HANA to the rejected request.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	2NV (Guided Buying Capability with SAP Ariba Buying)
Application Component	BNS-INT-ARI (Ariba Integration with S/4HANA)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

For more information on new or changed features, see [What's new in SAP Ariba](#).

1. Enter the feature ID in the [Search](#) field at the top of the [SAP Ariba new features](#) table to find a feature.
2. Click [See More](#) in the [Description](#) of the feature to access detailed documentation.

Feature ID	Feature Title
GB-21591	Synchronized Status Changes for Guided Buying Requests Edited in SAP S/4HANA or SAP S/4HANA Cloud in the 2NV and 3EN Integration Scenarios

Related Information

[Guided Buying Capability with SAP Ariba Buying \(2NV\)](#)

13.1.1.2 Guided Buying for Central Procurement with SAP Ariba Buying (3EN)

The *Guided Buying for Central Procurement with SAP Ariba Buying (3EN)* now enables buyers to view the updated status changes in guided buying for requests that are rejected in SAP S/4HANA. The status is updated based on the edits made in SAP S/4HANA to the rejected request.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	3EN (Guided Buying for Central Procurement with SAP Ariba Buying)
Application Component	BNS-INT-ARI (<i>Ariba Integration with S/4HANA</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

For more information on new or changed features, see [What's new in SAP Ariba](#).

- 1. Enter the feature ID in the *Search* field at the top of the *SAP Ariba new features* table to find a feature.
- 2. Click *See More* in the *Description* of the feature to access detailed documentation.

Feature ID	Feature Title
GB-21591	Synchronized Status Changes for Guided Buying Requests Edited in SAP S/4HANA or SAP S/4HANA Cloud in the 2NV and 3EN Integration Scenarios

Related Information

[Guided Buying for Central Procurement with SAP Ariba Buying \(3EN\)](#)

13.2 Integration with SAP Concur

13.2.1 Support of the Invoice Integration

The export of vendors from SAP S/4HANA to SAP Concur and the posting of SAP Concur invoices are now supported.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	BNS-CON-SE-S4-INV (Concur S/4HANA Invoice Integration)
Valid as Of	SAP S/4HANA 2023 FPS01

13.3 Integration with Industry Cloud Solutions from SAP

13.3.1 Enhancements for Data Change Processing

This feature enables you to improve the organization and prioritization of your background activities during processing of changed business object data.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-ICS-INT (Integration with Industry Cloud Solutions)

Valid as Of

SAP S/4HANA 2023 FPS01

SAP S/4HANA 2022 SPS04

SAP S/4HANA 2021 SPS06

SAP S/4HANA 2020 SPS08

Additional Details

For the integration of SAP S/4HANA with industry cloud solutions, we enable the use of bgRFC (background Remote Function Call) destinations in order to optimize the processing of changes made to business object data. By configuring this Customizing activity, you can optimize the handling time for the assigned business object types while avoiding delays in other critical processes, such as the direct replication of specific business object data.

Effects on Data Transfer

By using bgRFC destinations, large data volumes can be efficiently processed without disrupting other activities. If no valid bgRFC destination is assigned to your business object types in the Customizing activity, changes for those business objects will be processed using standard RFC destinations, which do not have specific queues assigned to them.

Effects on Customizing

The Customizing activity *Assign Background RFC Destinations to Business Object Types* was added to the Customizing for *Integration with Other SAP Components* under ► *Integration with Industry Cloud Solutions* ► *Data Replication to Industry Cloud Solutions* ► For more information about the activity, refer to the system documentation.

Related Information

[Assigning Background RFC Destinations to Business Object Types](#)

13.4 Master Data Replication Using SAP Master Data Integration

With this release, the replication of additional types of master data from SAP S/4HANA to different receiving systems using SAP Master Data Integration is supported.

Technical Details

Type	New
Functional Localization	Not available
Scope Item	See table below
Application Component	See table below
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Information

Type of Master Data	Solution area	Relevant scope items	Application component	Link to documentation
Real Estate Contract	Finance	not applicable	Flexible Real Estate Management (RE-FX)	Real Estate Contract Replication
Real Estate Rentable Object				Real Estate Rentable Object Replication
Real Estate Architecture Object				Real Estate Architecture Object Replication

Information for System Administration

You need to connect SAP S/4HANA and SAP Master Data Integration to enable the integration. The general setup instructions, most of which you only have to perform once, are explained here: [Master Data Replication: Setup Instructions for SAP S/4HANA](#). To use the integration for the different types of master data, you make additional settings specific to each type of master data.

13.5 Integration with Microsoft Teams

With this feature, system administrators can enable further functionalities for the integration with Microsoft Teams for their business users:

- Enable Share as Card
- Enable Message, Audio and Video Call

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-FLP-EXT-COL (<i>Collaborative Service</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

By enabling the new features, system administrators provide the following business benefits to their users:

- Enable Share as Card
Business users can collaborate with co-workers by providing a collaborative view that shows app content in a new window and enables them to have a meaningful conversation. Business users can share this adaptive card with a person, group, or channel in their Microsoft Teams account.
- Enable Message, Audio and Video Call

The contact quick view now shows the options to start a message, audio call or video call. Depending on your settings, the following screenshots show what the contact quick view looks like for business users:

Debit Memo Request 70000000

General Information **Items** Business Partners Process Flow

Items

Standard ▾

Item	Product	Target Quantity	Billing Block
10	Laser Positioning Model X (TG0011)	10	

Business Partners

Inlandskunde DE 2
Sold-to Party

Inlandskunde DE 2
Bill-to Party

Process Flow

Reference: Invoice 90000000 → Invoicing: Debit Memo Request 70000000 → Planned Invoice

Contact Quick View:

Inlandskunde DE 2
Ship-to Party

Icons: Chat, Audio Call, Video Call

E-Mail: info@10100002.com

Phone: +499990412520

Address: Platnerstraße 45, 09119 Chemnitz, Germany

Contact Quick View: Option 1

Business Partners

Inlandskunde DE 2
Bill-to Party

Contact Quick View:

Icons: Chat, Audio Call, Video Call

Email Address: gl_accountant_ch@example.com

Contact Quick View: Option 2

Effects on System Administration

You must have enabled the [Share: Microsoft Teams](#) integration option using the available plug-ins.

In addition, the Microsoft Teams administrator with the `Global Admin` role must have granted the required permissions.

For more information, see [Integration with Microsoft Teams](#).

Related Information

[Integration with Microsoft Teams](#)
[Share Apps and Create Bookmarks for Apps](#)

13.6 Joule Now Supported in SAP S/4HANA Cloud Private Edition

Business Details

You can now integrate Joule, SAP’s generative AI copilot, with SAP S/4HANA Cloud Private Edition. You can type in your request in natural language and Joule can help you complete your goals by navigating you to the relevant SAP Fiori apps, where you can take advantage of all features. Joule is especially useful to new or occasional users without prior knowledge of individual SAP Fiori apps.

Joule is metered based on a predefined usage metric. Contact your account executive for more details.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Technical Object Name	Not applicable
Application Component	CA-FLP-EXT-JOU (<i>Joule integration with FLP</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

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

13.7 Country/Region Specifics

For country/region-specific changes, please see [What's New Viewer](#).

14 Country/Region Specifics

For country/region-specific changes, please see [What's New Viewer](#).

15 Industries

15.1 Consumer

15.1.1 Agriculture

15.1.1.1 SAP Agricultural Contract Management

15.1.1.1.1 Performance Improvements in Contracts

To optimize performance and to simplify implementation of logic, multiple Business Add-Is (BAI) implementations of BAI [Trading Contract: Enhancement of Business Logic](#) (WB2_BI_ENHANCEMENTS_EX) have been compressed into a single BAI implementation [Handle Business logic for Tolerance, DPQS, Optionalities, Cancellation](#) (/ACCGO/CMN_BI_GTM_BI_ENH). This BAI implementation is used to validate ACM-related fields. These fields are used during create/update/read of a Global Trade Management (GTM) contract.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-AGR-APP (Application and Call-off)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Contract Management](#)

15.1.1.1.2 Reprocessing Report

A new reprocessing report has been created to process failed [Orchestration Framework](#) (OF) tickets. You can use this report to do mass processing of failed OF tickets either in the foreground or as a background job.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-AGR-LDC (Load Data Capture and Orchestration Framework)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Once the reprocessing report has been executed, you can check logs for any OF ticket and review the follow-on documents. This new report replaces the existing [Recovery Report](#) (transaction /ACCGO/OF_RECOVERY), which is now deprecated and will be retired in the future.

Related Information

[Recovery Report - Deprecated
Reprocessing Report](#)

15.1.1.1.3 Skip Creation of Call-off for Application Instruction 03

The load data capture (LDC) framework has been enhanced with respect to call-offs. You can disable call-offs that are created during creation of a purchase order, stock transfer order, or a sales order when LDC is created with reference trading contract ([Application Instruction 03](#)). The application process continues with reference to the contract specified on the LDC rather than the call-off on the order. This feature eliminates potential locking issues while updating the order during call-off and improves performance of the system. Furthermore, there is a reduced need for snipping as there is no call-off in this scenario.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-AGR-APP (Application and Call-off)
Valid as Of	SAP S/4HANA 2023 FSPS01

Additional Details

If this feature is turned on, the call-off quantity on a contract is not updated for this scenario. The contract is consumed only when an application completes for a contract.

Note

This feature is only supported for LDC's processed via [Application Instruction 03](#).

Effects on Customizing

You can access this using Customizing under [Agricultural Contract Management](#) > [Basic Settings](#) > [Org. Level Feature-Switches](#) > [Activate Feature Switch](#) > [Is Call-off Disabled \(IS_CALLOFF_DISABLED\)](#) .

15.1.1.1.4 Change of Distribution Logic of Unload Quantity

You can use this feature switch to influence the distribution of weights on an unload event in split scenarios. The system can now split the unload weight according to the current percentage distribution. If you enable the switch for percentage distribution, the system distributes quantities proportionally based on the split percentage of the load event. The Q-repository is updated with new weights during the application process, even for items that may already have been finally applied.

Technical Details

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

Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-AGR-APP (Application and Call-off)
Valid as Of	SAP S/4HANA 2030 FPS01

Effects on Existing Data

Existing data is not impacted. However, after activating this irreversible switch, the data is populated differently for load data captures (LDCs) and applications going forward.

Effects on Customizing

You can access this using Customizing under [Agricultural Contract Management](#) [Basic Settings](#) [Org. Level Feature-Switches](#) [Activate Feature Switch](#) [Percentage Distribution at Appl. \(ENABLE_PERCENTAGE_QTY_DIST_APP\)](#).

Note

This switch is not reversible due to changes in how data is populated in the underlying tables, and it is not configurable at the organizational level.

15.1.2 Retail and Fashion

15.1.2.1 Fashion and Vertical Business

15.1.2.1.1 Fashion Contract Locking during Release Order Mass Processing

With this feature, you can enable fashion contract locking during mass processing of release orders using the **Manage Sales Documents - Fashion** Fiori application.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-SD (<i>Sales and Distribution for Retail & Fashion</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The system enables a shared lock at the header level and an exclusive lock at the item level for the fashion contract, depending on the level of the order and the selected action.

Effects on System Administration

To use this feature, you need to activate the business function `ISR_RETAILSYSTEM`.

For more information on the business function, see [Retail](#).

Related Information

[Sales Contracts](#)

15.1.2.1.2 Enhancements in Monitor Supply Assignment Demand Fiori Application

With this app, you can specify the supply assignment rule before executing the transfer of assignments.

Technical Details

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

Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-ARN (Order Allocation Run)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on System Administration

Use the following business catalog, group, and role to access the corresponding apps from SAP Fiori home page:

Business Group	Business Catalog	Business Roles
SAP_RFM_BCG_SUPPDEMNDVW	SAP_RFM_BC_SUPPDEMNDVW	SAP_BR_ORDER_FUL-FILLMNT_MNGR_R

Related Information

[Monitor Supply Assignment Demand](#)

15.1.2.1.3 Enhancements in Temporary Assignment

With this feature, you can enable the system to process temporary assignments for the selected requirement documents as follows:

- based on the basis quantity (confirmed or ordered).
- based on the sequence for processing temporary assignments depending on the material availability date, that is, either by the earliest available date (FIFO) or in the backward and then forward mode.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	LO-RFM-ARN (<i>Order Allocation Run</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

This feature is available in the [Supply Demand Overview - Temporary Assignment of Demand and Supply](#) (ARUN_SDO_TEMPORARY_ASSIGNMENTS) report and the [Schedule Temporary Assignments](#) Fiori application.

Effects on System Administration

To use this feature, you need to activate the business function SUPPLY_ASSIGNMENT_01.

For more information on the business function, see [Supply Assignment \(ARun\)](#)

Related Information

[Temporary Assignment in Supply Assignment](#)
[Schedule Temporary Assignments](#)

15.1.2.1.4 Manage Excess Requirements Enhancements for Account Assigned Sales Orders

With this app, you can reject the open quantities for confirmation and delivery for account assigned sales orders.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-SD (<i>Sales and Distribution for Retail & Fashion</i>)

Effects on System Administration

- To use this feature, you need to activate the business function `ISR_RETAILSYSTEM`.
For more information on the business function, see [Retail](#).
- Use the following business catalog, group, and role to access the corresponding apps from SAP Fiori home page:

Business Group	Business Catalog	Business Role
SAP_RFM_BCG_ORD_FLFMT_SPE	SAP_RFM_BC_ORD_FLFMT_SPE	SAP_BR_ORD_FULLFILMNT_SPE_R

Related Information

[Manage Excess Requirements App](#)

15.1.2.1.5 Control Input Processing of Sales Documents IDoc

With this feature, you can enable the system to use direct input calls using fashion APIs `FSH_API_SALESDOCUMENT_CREATE` and `FSH_API_SALESDOCUMENT_CHANGE` instead of batch data communication (BDC) calls for sales documents of category type Contracts ([G](#) (fashion contracts only)), and Free of Charge ([I](#)).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-SD (Sales and Distribution for Retail & Fashion)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on System Administration

To use this feature, you need to activate the business function `ISR_RETAILSYSTEM`.
For more information on the business function, see [Retail](#).

Related Information

[Sales Documents using Intermediate Documents \(IDocs\) or OData API](#)

15.1.2.2 Retail for Merchandise Management


15.1.2.2.1 Deprecated OData API: Assortment Module (A2X)

The OData API [Assortment Module \(A2X\)](#) (`API_RFM_ASSTMT_MDL_001`) has been deprecated in this release and replaced with the OData API [Assortment Module \(A2X\)](#) (`API_RFM_ASSTMT_MDL_002`). The deprecated API will be deleted from the SAP API Business Hub as of SAP S/4HANA 2025. Therefore, we recommend that you switch to the successor API as soon as possible.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-MD-LST (Listing)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The deprecated and successor APIs are available on the SAP API Business Hub (<https://api.sap.com>.

Related Information

[Assortment Module \(A2X\) \(Version 0001\) \(Deprecated\)](#)
[Assortment Module \(A2X\) \(Version 0002\)](#)

15.1.2.2.2 CDS Views for SAP Order and Delivery Scheduling

With the following CDS Views, you can retrieve information regarding scheduling group, assigned product and order and delivery schedules:

- [Scheduling Groups](#) (I_ORDDLVSCHEDULINGGROUPS)
- [Assigned Products](#) (I_ORDDLVSCHEDGGRPASSGMTS)
- [Items of Order and Delivery Schedules](#) (I_ORDDLVSCHEDULEITEMS)
- [Header of Order and Delivery Schedules](#) (I_ORDDLVSCHEDULES)

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-ODS-SCD (Retail ODS Scheduling)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Scheduling Groups](#)
[Assigned Products](#)
[Header of Order and Delivery Schedules](#)
[Items of Order and Delivery Schedules](#)

15.1.2.2.3 Duplicate Document Check for Sales Per Receipt in POS Inbound Sales Transaction Service

With this feature, you can check duplicate receipt ID (External reference ID) for sales per receipt in POS inbound Sales Transaction SOAP services. With BAdI `RFM_POSI_SLS_SPR_CHECK` you can define duplicate document check rules for sales per receipt processing.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-IFC-IN-SRV (Service based POS Interface - Inbound)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Extensibility: POS Sales Transactions - Create](#)

15.1.2.2.4 Alphanumeric GTIN Scanning in the Process Picking Request Application

With this feature, you can scan the alphanumeric GTIN of a product during the product picking process using the **Process Picking Requests** application.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	Not applicable
Application Component	LO-RFM-STO-FIO (<i>In-Store Merchandise and Inventory Management - Fiori Apps</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on System Administration

Use the following business catalog, group, and roles to access the corresponding apps from SAP Fiori home page:

Business Group	Business Catalog	Business Roles
SAP_RFM_BCG_STORE_ASSOCIATE	SAP_RFM_BC_STORE_ASSOCIATE	SAP_BR_RFM_STORE_ASSOCIATE SAP_BR_RFM_STORE_MANAGER

Related Information

[Process Picking Requests](#)

15.1.2.2.5 Content List Enhancement to Reflect Bar Code of Picking Request Number

With this feature, you can generate both box label and content list form using the **Process Picking Requests** application for single picking request.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-STO-FIO (<i>In-Store Merchandise and Inventory Management - Fiori Apps</i>)

Effects on System Administration

Use the following business catalog, group, and roles to access the corresponding apps from SAP Fiori home page:

Business Group	Business Catalog	Business Roles
SAP_RFM_BCG_STORE_ASSOCIATE	SAP_RFM_BC_STORE_ASSOCIATE	SAP_BR_RFM_STORE_ASSOCIATE
		SAP_BR_RFM_STORE_MANAGER

Related Information

[Process Picking Requests](#)

15.1.2.2.6 Internal unit of measure for sales quantity in POS Inbound Sales Service

With this feature POS inbound sales transaction service supports SAP internal unit of measure codes for the quantity fields in addition to ISO unit of measure codes.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-IFC-IN-SRV (Service based POS Interface - Inbound)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[AggregatedSalesByProduct](#)

15.1.2.2.7 Analyze Change Pointers in POS Outbound Business Add-in

With this `BADI_RFM_POS_OUT_CPS` Analyze Change Pointers in POS Outbound, you can influence enriching the XML output in *DRFOUT POS* Outbound Service based on change pointer that get created depending on additional settings you have maintained for message type `WES_MERCHANDISE`.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-IFC-OUT (<i>POS Interface - Outbound</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Configuration maintained at Transaction BD52 for message type `WES_MERCHANDISE`

Related Information

[Merchandise Data Replication in a POS System](#)

15.1.2.2.8 Reason for Movement in Adjust Mass Stock Application

With this feature, you can track the reason for movement in the goods movement documents generated by the *Adjust Mass Stock* application.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-STO-FIO (<i>In-Store Merchandise and Inventory Management - Fiori Apps</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Customizing

To enable reason for movement, select the configuration *Define Business Transactions* under ► *Logistics - General* ► *Store Operations* ► *In-Store Merchandise and Inventory Management - UI5 Apps* ► *Adjust Mass Stock* ► *Grouping of Business Transactions for Mass Stock Adjustment* ►.

Related Information

[Adjust Mass Stock](#)

15.2 Energy & Natural Resources

15.2.1 Oil & Gas

15.2.1.1 Field Logistics

15.2.1.1.1 Enhancements in Process Receipts - Stock and Non-Stock Items App

This feature enables you to:

- Receive items in [Process Receipt- Stock and Non-Stock Items](#) application without performing visual inspection.
- Scan Handling unit QR code or bar code label which automatically fetches the purchase order details linked to it.
- Dynamically print instructions on Material label and Handling Unit label based on processes with respect to Field Logistics status.
- Distribute the outbound delivery automatically to warehouse managed storage location based on goods receipt storage location. In order to ensure that the products are issued from the same storage location where they are received, Field Logistics will pass the receiving storage location value to the issuing storage location in stock transfer orders, which will then be sent to the storage location of outbound deliveries. This applies to stock transfer orders and/or deliveries created by Field Logistics after goods receipt (SP14, SP13).
- Auto create stock transfer order and outbound delivery for Forego Cross-dock and Hold scenario.
- Create standalone Purchase Requisitions and Purchase Order at Field Logistics plants (Base and Remote) as part of direct procurement of required goods without reference to any supply process in Field Logistics.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	40G (Field Logistics Planning and Execution)
Application Component	CA-FL-GR (Goods Receipt)
Valid as Of	SAP S/4HANA 2023 FPS01

15.2.1.1.2 Enable Goods Receipt from Valuated Blocked Stock in Process Receipts - Stock and Non-Stock Items)

This feature enables you to perform goods receipt with 105 or 109 movement type in [Process Receipts - Stock and Non-Stock Items](#) application for stock, non-stock and rental items if 2-step goods receipt is used.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	40G (Field Logistics Planning and Execution) 4AH(Field Logistics Planning and Execution- Supplier Items) 50M(Field Logistics Planning and Execution- Direct Procurement)
Application Component	CA-FL-GR (<i>Goods Receipt</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

15.2.1.1.3 Enhancements in Process-Cross Plant Receipts App

This feature enables you to:

- View the created inspection lot number for Quality Managed products in business documents section. You can also navigate to standard inspection lot in *Display Inspection Lot* application from text field.
- View storage bin for a product in the general information tab in *Process-Cross Plant Receipts (PCPR)* application. Note that the field will have value if storage bin for the product is maintained in product master.
- Change the handling decision and follow-on documents after item has been received in PCPR. You may reverse the GR(Good Receipt) document from non-FL core applications and re-initiate the receiving process of the item from PCPR.
- Update the Return Purchase Order field after the item is received with handling decision – Return to Vendor in *Process-Cross Plant Receipts* application.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	40G (Field Logistics Planning and Execution)
Application Component	CA-FL-RET (<i>Returns</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

15.2.1.1.4 Enhancements in Initiate Returns by Product App

This feature enables you to:

- Initiate returns for multiple serialized/ batch-managed/ valuated/ project stock (WBS) items within a single STO (Stock Transport Order) and OBD (Outbound Delivery).

- View storage bin for a product in the additional details tab in *Initiate Returns by Product* application. Note that the field will have a value if storage bin for the product is maintained in product master.
- Maintain receiving point for a delivery during returns.
- Request returns of stock and non-stock items to an alternative base plant.
- Initiate return using custom document types for Stock Transfer Order, Outbound Delivery etc.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	40G(Field Logistics Planning and Execution)
Application Component	CA-FL-RET (<i>Returns</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

15.2.1.1.5 Enhancements in Field Logistics Voyages App

This feature enables you to :

- Send email from Transport Planner with pdf document containing all voyage details. Note that email is triggered upon performing print action on voyage.
- View and assign FL(Field Logistics) packages to a voyage.
- View FL package information such as packed deliveries in the Voyage summary document.
- Assign containers, FL packages or standalone items from multiple plants that share a common shipping point to the same voyage stage (with a matching shipping point only).
- Use voyage API to also maintain Vehicle Name, Vehicle ID, Country and Carrier ID.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	6BA (Field Logistics Planning and Execution – Containers and Voyages)
Application Component	CA-FL-SG (<i>Shipment</i>)

Additional Details

Effects on Existing Data

Effects on Data Transfer

Effects on System Administration

Effects on Customizing

15.2.1.1.6 Enhancements in Logistics Tracking app

This feature enables you to :

- View updated milestones in cases of deletion of different documents – Outbound Delivery/ Item, Purchase Order/ Item, Stock Transport Order/ Item and Inbound Delivery/ Item.
- Check milestones for 2-step GR performed while receiving at the base.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	6VA (Field Logistics Analytics)
Application Component	CA-FL-MT (Material Tracking)
Valid as Of	SAP S/4HANA 2023 FPS01

15.2.1.1.7 Enhancements in Pack Container App

This feature enables you to:

- Filter kits based on source plant in the kits tab. You can view Maintenance Order Number and Source Plant as columns in all the facets in the kit object page. You can search based on all fields (that are or can be added as column in the facet) in the search option on each facet header.
- View updated state of the kit items in cases of deletion of different documents– Outbound Delivery/ Item, Purchase Order/ Item and Handling Unit.
- Check additional GR document entries in [To be Received](#) tab for 2-Step GR process under the [KIT](#) tab.
- Pack delivery items into FL packages which can further be packed into a container. FL packages can also be dispatched independently.
- Unassign/ unpack an issued delivery from the container/ FL package.
- Ensure that the receiving point is always maintained for a container or a delivery item before dispatch.
- Assign items from multiple plants that share a common shipping point to a single container.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	6BA (Field Logistics Planning and Execution – Containers and Voyages)
Application Component	CA-FL-SG (Shipment)
Valid as Of	SAP S/4HANA 2023 FPS01

15.2.1.1.8 Enhancements in Manage Container Master Data App

The feature enables you to:

- Search containers using Field Logistics Shipment Containers search model in enterprise search.

- Create FL package master data. FL package can be used to pack items from different deliveries (cross-delivery) in the [Pack Container](#) application.
- Maintain container master data via the API.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	6BA (Field Logistics Planning and Execution – Containers and Voyages)
Application Component	CA-FL-SG (Shipment)
Valid as Of	SAP S/4HANA 2023 FPS01

15.2.1.1.9 Enhancements in Kitting BAdI

This feature enables you to define custom logic for kit creation.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	6BA (Field Logistics Planning and Execution – Containers and Voyages)
Application Component	CA-FL-SG (Shipment)
Valid as Of	SAP S/4HANA 2023 FPS01

15.2.1.1.10 OData API: Field Logistics - Shipment Container

With this API, you can create, read, update, and delete Field Logistics shipment containers and respective certificates through this synchronous inbound OData service.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	6BA (Field Logistics Planning and Execution – Containers and Voyages)
Application Component	CA-FL-SG (<i>Shipment</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

This API is available on the SAP Business Accelerator Hub: https://api.sap.com/api/OP_FLDLOGSSHIPMENTCONTAINER_0001/overview

Related Information

[API for Field Logistics Shipment Container](#)

15.2.1.2 Production and Revenue Accounting (PRA)

15.2.1.2.1 IRF Archived Data Retrieval

PRA ILM objects can be used to retrieve owner’s personal data from the archive files. A Purpose can then be assigned to ILM objects and the archive retrieval framework can be used to retrieve and display the personal data.

Technical Details

Type	Changed
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Functional Localization	Not applicable, PRA is a U.S.-only solution.
Scope Item	5NM
Application Component	IS-OIL-PRA (<i>Industry Solution - Oil and Gas - Production and Revenue Accounting</i>)
Valid as Of	SAP S/4HANA 2023 001

15.2.1.2.2 Delivery Network Automation

Customers can enable automated behaviors for Delivery Network processing through the stages of Production Allocation, Contractual Allocation, Valuation, and Posting. Possible automated behaviors include executing processes, evaluating run outcomes in a trial mode, and controlling next steps based on detailed automated run observations.

Technical Details

Type	New
Functional Localization	Not applicable, PRA is a U.S.-only solution.
Scope Item	5NM
Application Component	IS-OIL-PRA (<i>Industry Solution - Oil and Gas - Production and Revenue Accounting</i>)
Valid as Of	SAP S/4HANA 2023 001

15.2.1.2.3 Tax and Royalty 2.0 Mass Uploader

Using this functionality, users can upload at a mass level the data for T&R 2.0's History, Transactional, and where needed State Reported data gathered and formatted from a source system to a target system. Here, the source system could be a legacy system or a system from an acquired company. The scope of this functionality currently is limited to the state of Texas only.

Technical Details

Type	New
Functional Localization	Not applicable, PRA is a U.S.-only solution.
Scope Item	5NM
Application Component	IS-OIL-PRA-REP-TAX (Tax Reporting) IS-OIL-PRA-REP-ROY (Royalty Reporting)
Valid as Of	SAP S/4HANA 2023 001

Additional Details

This utility allows users to generate the required template in the Excel sheet format. Once it is populated, it can be executed to upload the data in the database tables. Users must have access to legacy data at the DB level. Legacy Data Extraction/Translation is the responsibility of the user. Master data setups in support of amended reporting must be in place. This utility has the needed validations around the PRA entities such as WL/WC, V/DOI, MP, DN, Contracts, Product Codes, etc.

15.2.2 Utilities

15.2.2.1 Utilities

15.2.2.1.1 Enablement of SAP S/4HANA Utilities for SAP Datasphere

A new option for analytics based on SAP Datasphere has been introduced for SAP S/4HANA Utilities, which provides CDS views for the extraction of IS-U data. A delta extraction is supported.

The current scope covers master data for the utilities contract, utilities installation, and premise.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-U-MD (SAP Utilities Master Data)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

- [Integration with SAP Datasphere](#)
- [CDS View Data Extraction for Utilities Contract History](#)
- [CDS View Data Extraction for Installation and Installation History](#)

15.2.2.1.2 Exact Move-in Time and Move-out Time for Utilities Contract

The utilities contract has been enhanced to enable the exact move-in and move-out time to be processed. These times can be captured as part of the move-in and move-out process and maintained at IS-U contract level. The exact move-in time and move-out time can be used in time-of-use (TOU) billing and real time pricing (RTP) billing to precisely observe the consumption for the first and final billing period.

Further details are provided in SAP note [3394464](#). A specific logic that is dependent on the type of billing period involved has been considered for the Japanese market. Details are provided in note [2834512](#).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-U-MD (SAP Utilities Master Data)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

- [Handling the Exact Move-In and Move-Out Time](#)
- [Handling the Exact Move-In and Move-Out Time for the Japanese Billing Period](#)

15.2.2.1.3 Custom Fields and Logic for the Utilities Installation and Utilities Premise

As a business expert or implementation consultant, you can use the Custom Fields app to create your own fields for the utilities installation and premise master data. Using the Custom Logic app, you can create your own implementations to customize the following transactions and their UIs:

- *Create Installation, Change Installation and Display Installation* (ES30 , ES31 , ES32)
- *Create Premise, Change Premise and Display Premise* (ES60 , ES61 , ES62).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-U-MD (SAP Utilities Master Data)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

📘 Note

For Master Data for Utilities Installations, please read SAP Note [3348558](#) 📄, which contains further information about the CFL Extensibility.

- [SAP Roadmap Explorer](#) 📄
- [Custom Fields App and Custom Logic App](#)
- [Custom Fields and Logic for Utilities Installations](#)
- [Custom Fields and Logic for Utilities Premise](#)

15.2.2.1.4 Deprecation of the Old Prepayment Solution for Utilities

The SAP ERP-based solution for prepayment in IS-U has been deprecated as of SAP S/4HANA 2023 FPS1.

Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-U-BI (SAP Billing)
Valid as Of	SAP S/4HANA 2023 FPS01


Additional Details

As of SAP S/4HANA 2023 001, the only available solution for prepayment in Utilities is [SAP Prepayment for Utilities](#).


Effects on Existing Data

This deprecation is relevant for you if you have made entries in the database table `EPPMHEADER`.

Related Information

Further details are provided in SAP Note [3375865](#) .


15.2.2.1.5 CDS Views Released for ABAP for Cloud Development

Basic CDS views in SAP S/4HANA Utilities have been released for development in the ABAP language version *ABAP for Cloud Development*. Details can be found in SAP note [3360369](#) .

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-U (SAP Utilities)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

This development is relevant in the context of the *Clean Core* approach. A collection of Clean Core-related documentation and developments in SAP S/4HANA Utilities can be found in SAP note [3406389](#) .

15.2.2.2 Utilities for Customer Engagement

15.2.2.2.1 New Date/Time Stamp Field For Start and End Contract

Utilities sales contract management was enhanced so that time stamps can be processed during processes "[New Contract](#)" and "[End Contract](#)". The time stamps are closely related to the move-in date and move-out date in Utilities so that the time stamps are displayed next to these dates in the UI. The time stamps are also editable so that changes / corrections can be applied at a later point in time as well.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IU (S4CRM: Utilities Industry)

Related Information

[Exact Move-in Time and Move-out Time for Utilities Contract](#)
[Handling the Exact Move-In and Move-Out Time](#)

15.2.2.2.2 Automatically Determine or Create Contract Account

With this feature an example BAdI is provided to determine a contract account in the Process Framework of Customer Engagement from bill to party address and payment method and the creation of new contract account if needed (via template).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IU (<i>S4CRM: Utilities Industry</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Customizing

► [SAP Utilities](#) ► [Customer Engagement](#) ► [Sales Contract Management](#) ► [Modify Process Definition \(Client-Specific\)](#) ►

Related Information

[Contract Account Determination and Creation](#)

15.2.2.2.3 Change Product for Utilities Sales Contract via Integrated Sales Orders

This feature integrates sales orders in S/4HANA with Utilities sales contract management in Customer Engagement to manage the contract lifecycle of the Utilities sales contract. The creation of a sales order will raise following lifecycle events:

- Change contract as the commodity product is changed
- Change contract as of a new configuration of the commodity products.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IU (<i>S4CRM: Utilities Industry</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Customizing

► [SAP Utilities](#) ► [Customer Engagement](#) ► [Sales Contract Management](#) ► [Settings for Sales and Distribution Integration](#) ►

Related Information

[Utilities Life Cycle Events](#)

15.2.2.2.4 End Utilities Sales Contract via Integrated Sales Order

This feature integrates the sales orders in S/4HANA with Utilities sales contract management in Customer Engagement to manage the contract lifecycle of the Utilities sales contract. The creation of a sales order will raise following lifecycle event: terminate contract e.g. related to a move-out.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IU (<i>S4CRM: Utilities Industry</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Customizing

► *SAP Utilities* ► *Customer Engagemen* ► *Sales Contract Management* ► *Settings for Sales and Distribution Integration* ►

Related Information

[Utilities Life Cycle Events](#)

15.2.2.2.5 Handover of Sale Prices to Utilities Prices

With this feature sale prices are handed over to Utilities prices to achieve pricing consistency between sales order prices and Utilities prices. Automatically adoption of all price changes to Utilities billing is now possible.

- Prices and price changes and discounts are maintained as condition records in S/4HANA Sales.
- CE-Process Framework takes care about the creation of Utilities price keys based on the product information from UPIL.
- A selling system shall integrate with S/4HANA to receive the conditions .
- Restriction: no amount simulation for time of use or dynamic pricing.

Technical Details

Type	New
Functional Localization	Not applicable

Scope Item	Not applicable
Application Component	CRM-S4-IU (S4CRM: Utilities Industry)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Sales Pricing to Utilities](#)

15.3 Financial Services

15.3.1 Insurance

15.3.1.1 Policy Management

15.3.1.1.1 Reimplementation of Business Transaction Change Commission Participant

This feature enables you to reimplement the business transaction [Change Commission Participant](#).

The existing business transaction [Change Commission Participant](#) is enhanced in a way that enables a user to execute this change retroactively. The change of a commission participant can be executed with or without user action.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PM (Policy Management)
Valid as Of	SAP S/4HANA 2023 FPS1

Additional Details

During the integration between Policy Management (FS-PM) and Portfolio Assignment (ICM-PFO), an additional field is sent from FS-PM to ICM-PFO to enable the reimplementation of the business transaction [Change Commission Participant](#). The field contains the order number of a journal entry that triggers the change on ICM-PFO-side. The same information is provided from ICM-PFO to FS-PM when the FS-PM system reads the information about the commission participant. This ensures that FS-PM always shows correct ICM-PFO data for a loaded application. Previously, this data was based on the effective date only.

Note

Before you do an upgrade to SAP S/4HANA 2023 FPS1, please check SAP Note [3410639](#). After the upgrade, please check SAP Note [3411166](#).

Effects on Existing Data

The ICM-PFO table `PFO_GZO` has been enhanced with the field `ORDERNO_ID`. The new field has been added in the customer include `PFO_S_GZOCATT`. Existing entries in the related table will automatically be given the value 0 in the `ORDERNO_ID` field.

Restriction

Note that existing sales products that have policies issued cannot read data from ICM-PFO based on the order number as it was not available at that time. In this case, data is read from the active versions in ICM-PFO based on the effective date and a warning message is displayed to the user. We recommend using the option with user interaction for sales products issued before this feature to make sure the correct data is set during reimplementation.

Effects on Data Transfer

The transfer of data between FS-PM and ICM-PFO has been enhanced. It now includes the order number of a journal entry of a FS-PM business process resulting in a change in ICM-PFO. In both components, the relevant structures have been enhanced with the `newORDERNO_ID` field (FS-PM structure: `/PM0/ABT_PFOGZOCATT`, ICM-PFO structure: `PFO_S_GZOCATT`, customer include `CI_PFO_S_GZOCATT`). The interface between the two modules has not been changed as the data is exchanged via enhanced structures.

The BAdI `/PM0/ABT_PFO_READ_BADI` ([BAdI: Read Accesses to PFO](#)) provides the method `GET_HISTORICAL_VERSIONS` for the data transfer from ICM-PFO to FS-PM. This method retrieves all versions of the ICM-PFO objects, including the cancelled versions. Each ICM-PFO entry is associated with an order number and only the entries that match the order number of the current FS-PM application will be displayed or processed.

Effects on Customizing

- In the Customizing activity [Process Primary Settings for Interfaces to External Systems](#), the class /PM0/CL_AB_INT_PFO_2 has been added for the portfolio assignment interface. You can display the Customizing activity in Customizing for Policy Management under [Integration](#).
- In the [Developer Customizing](#) (area menu /PM0/CUST_INT in transaction SE43), the [Change Commission Participant](#) business transaction P_B_S_CFP_AMD has been enabled for reimplementation. You can display it under ► [Developer Customizing](#) ► [Internal Customizing](#) ► [Business Transactions](#) ► [Configure Control Parameters for Business Transactions](#) ►.

Related Information

[Commission](#)

15.3.1.1.2 Enhanced Scheduling Dialog for Reimplementation

This feature enables you to use the following four pushbuttons on the scheduling dialog screen for reimplementation:

- [Select all with UA](#)
- [Deselect all with UA](#)
- [Select all without UA](#)
- [Deselect all without UA](#)

With the four pushbuttons, you can manipulate the status of related checkboxes in defined columns of the business transaction table offered on the same scheduling dialog screen. On release of the application, all business transactions that have to be reimplemented are executed according to the decisions made on the scheduling dialog screen.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PM (Policy Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

If you press the pushbutton [Select all with UA](#) on the scheduling dialog screen, the system automatically selects all the checkboxes under the column [With User Interaction](#) in the table of business transactions. If there are changeable checkboxes in the column [Without User Interaction](#), the system deselects the respective checkboxes. For non-modifiable table rows that are greyed out, the checkbox values are not changed by the system.

If you press the pushbutton [Deselect all with UA](#) on the scheduling dialog screen, the system automatically deselects all the checkboxes under the column [With User Interaction](#) in the table of business transactions. For non-modifiable table rows that are greyed out, the checkbox values are not changed by the system.

If you press the pushbutton [Select all without UA](#) on the scheduling dialog screen, the system automatically selects all the checkboxes under the column [Without User Interaction](#) in the table of business transactions. If there are changeable checkboxes in the column [With User Interaction](#), the system deselects the respective checkboxes. For non-modifiable table rows that are greyed out, the checkbox values are not changed by the system.

If you press the pushbutton [Deselect all without UA](#) on the scheduling dialog screen, the system automatically deselects all the checkboxes under the column [Without User Interaction](#) in the table of business transactions. For non-modifiable table rows that are greyed out, the checkbox values are not changed by the system.

Effects on Customizing

To enable the usage of the pushbuttons you must create a Badl implementation for BAdl [BAdl: Show Partner/Customer Dialogs](#) (/PM0/ABP_BPC_SHOW_DLG).

Read the Badl documentation for more details. Under [Examples](#) you can find a code example for your implementation. You can find the [BAdl: Show Partner/Customer Dialogs](#) in Customizing for [Policy Management](#) under ► [General Settings](#) ► [Screen Display](#) ► [Business Add-Ins \(BAdIs\)](#) ►.

Related Information

[Reimplementation](#)

15.3.1.1.3 Skip the Master Policy Default Function

This feature enables you to skip the assignment function for defaulting entity data when creating a policy from a master policy. To do so, you can skip the default derivation of an individual entity, skip the derivation of all entities, or skip the derivation of a few generic entities from a master policy to a policy in the revised Customizing activity [Skip Master Policy Default Function for Creating New Policies](#).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PMG (Group Insurance Add-On)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Customizing

In the Customizing activity [Skip Master Policy Default Function for Creating New Policies](#), you can maintain the individual values for the following entities:

Entities that can be skipped during Defaulting

Technical Name	Name
/PM0/ABDABNF	Basis Benefit
/PM0/ABDABNFCRY	Basis Beneficiary
/PM0/ABDACLAUSE	Basis Clause
/PM0/ABDACOMDIFF	Basis Commission
/PM0/ABDACRDITOR	Basis Creditor
/PM0/ABDADEDCTBL	Basis Deductible
/PM0/ABDADISTREL	Basis Distribution Plan Relationship
/PM0/ABDALIMIT	Basis Limit
/PM0/ABDAPOLHLDR	Basis Policyholder
/PM0/ABDAPREM	Basis Premium
/PM0/ABDAPRMPAYR	Basis Premium Payer
/PM0/ABDASUPDC	Basis Surcharge/Discount
COLLTYPE	Collection Type

You can find the Customizing activity in Customizing for [Policy Management](#) under ► [Master Policy](#) ► [Skip the Master Policy Default Function](#) ► [Skip Master Policy Default Function for Creating New Policies](#) ►.

In the customizing activity, you can enter the list of entities used to skip or to default a particular entity. If you want to skip the derivation for a particular entity, enter the entity and select the *Skip DefMP* checkbox. If an entity is maintained in the Customizing activity and its checkbox is not selected, the policy creation process will try to derive it from the master policy. If you want to skip the derivation for all the entities, maintain only one entity name field as blank and select the corresponding checkbox. If you want to derive all the entities, you can do the following: either enter all the entities and unselect their checkboxes or maintain the blank entry only and unselect the checkbox.

Related Information

[How to Default Entity Data](#)

15.3.1.1.4 ODATA API: Insurance Policy Service (Version 0002)

The RESTful API `API_INSURANCEPOLICYSERVICE_2` (*Insurance Policy Service*) has been enhanced and is now available with a version 2.0.0. You can use this program interface for the following:

- To read policy data on an effective date
- To read a policy by version ID (order number)
- To create a policy
- To reverse a policy

The OData service is published on the SAP Business Accelerator Hub.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PM (<i>Policy Management</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Insurance Policy Service (API_INSURANCEPOLICYSERVICE_2)

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

Create Policy:

- Coinsurance is now supported.
- Edit note text is now supported for the entities *Policy*, *Contract*, *Coverage Package*, and *Coverage Level*.
- Long text is now supported for the entities *Clause*, *Related Contract*, and *Risk Assessment Answer* for all levels in the *Insurance Policy* business object where clause, related contract, and risk assessment answer are defined.

Read policy:

- Transfer and settlement is now supported.
- Cash-Before-Cover (CBC) overview is now supported.
- Cash-Before-Cover (CBC) cashflow is now supported.

Constraints

- Read policy:
 - Reading the commission participant and the commission roles cannot be done directly nor via the navigation path. It is only possible by using the \$expand feature from the policy level.
 - Extensibility is not supported for the commission participant and the commission role.
- Reverse policy:
 - Multiple policy reversals are not allowed.
 - Reading the results of entities other than policy cannot be done directly nor via the navigation path. It is only possible by using the \$expand feature from the policy level.

Related Information

[Insurance Policy Service \(Version 0002\)](#)

15.3.1.1.5 ODATA API: Insurance Open Application (A2X)

Policy Management now provides a RESTful API (program interface) that you can use to perform new business open application actions, and to read an application by date or by order number.

SAP provides the OData service API_INSURANCEAPPLICATION (*Insurance Open Application (A2X)*) for this purpose, which is published on the SAP Business Accelerator Hub.

You can use this program interface for the following:

- To read policy data on an effective date
- To read a policy by version ID (order number)

- To create a policy
- To reverse a policy

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PM (<i>Policy Management</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Insurance Open Application (A2X) API_INSURANCEAPPLICATION

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

The service checks if the requesting user has the required authorizations.

The *Update Application* service uses the following parameter elements for different functions (these properties are not part of the entities and hence are not persisted):

- InsuranceApplication; Application number
- InsurPlcylsSavePolicy; Save application
- InsurPlcylsSmitePolicy; Simulate the application creation
- InsurancePolicyLockKey; Lock the application with the lock key

Subsequent processing is only possible if the same lock key is specified for subsequent calls. A lock has no effect when the application creation was simulated. The lock is removed when you release the application.

You can perform the following actions on new business applications:

- Calculate
Resume processing and execute the calculation for the specified new business application number.
- Release
Execute the policy issuance for a calculated new business application.
- Reject
Execute the refusal of a specified new business application.
- Determine CBC category
Execute the determination of the CBC category for a calculated new business application.
- Request CBC amount

Execute the request of the CBC amount for a calculated new business application after the CBC determination.

Once an action is performed, the information is returned in the response as a payload. The response also provides the hierarchy information that assigns the nodes to their parent node.

For the [Read Application](#) service, the following properties are mandatory:

- Either the UUID of a policy (InsurPlcyUUID) or the policy number (InsurancePolicy)
- Either the date on which an action executed during a business process becomes effective (InsurancePolicyEffectiveDate) or the sequence number of the journal entries (InsurPlcyOrderNumber).

Related Information

[Insurance Open Application \(A2X\)](#)

15.3.1.1.6 Legal Change to the Validity Period for Short-Term
Licence Plates in Germany

Since September 1, 2023, the clarification of the regulation on the validity period for short-term license plates in the amended German Vehicle Registration Law results in a possible extension of the insurance coverage to a maximum of six days.

Technical Details

Type	Changed
Functional Localization	Localized for Germany
Scope Item	Not applicable
Application Component	FS-PMA (Policy Management for Auto Insurance)
Valid as Of	SAP S/4HANA 2023 FPS01

Effects on Data Transfer

The check that is run on the validity period is implemented in BAdI /MVA/AMV_VALIDATE_BADI. Check to what extent a customer implementation was created for this purpose and adjust it accordingly if necessary.

15.3.1.1.7 Legal Change to Registration (Austria) for KFA Version 7.01

With this function, you can use [Registration Management \(Austria\)](#) according to the changed legal requirements of the Austrian Insurance Association in the data exchange with insurance companies and with the Bundesanstalt Statistik Österreich (Austrian statistical office) about KFA version 7.01 and in "INFO_WERTE_Fachbezogen Ver. 7.01".

Technical Details

Type	geändert
Functional Localization	Localized for Austria
Scope Item	Not applicable
Application Component	FS-PMA (Policy Management for Auto Insurance)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Changes to the Record Types:

Record Type 3 Registration Date:

- The [Engine Number \(Engine Model Number\)](#) (MT-NUM) field was extended to 25 digits.
- The [Type-Approval Number](#) (TYNUM) field was extended to 30 digits.
- A new field called [Vehicle Subgroup](#) (FZG_UNTGRP) was added.

Usage Determination Adjusted:

- 41 - For Escorting Special Transports (changed)
- 99 - See A18 Official Observations (new)

The new and changed fields are displayed in [Registration Management \(Austria\)](#) and can be imported using the [Import Registration Data \(A\)](#) report.

Effects on Data Transfer

Customer-specific implementations of BAdI /MVA/AMV_RSA_DATA_EXCH_BADI should be checked because there is a new field that needs to be considered during import.

15.3.1.1.8 RFM Generate Certificate According to Compulsory Insurance Act (PflVG)

You can use this function to execute the remote-enabled function module (RFM) [Generate Certificate According to Compulsory Insurance Act \(PflVG\)](#) (/MVA/AMT_SVC_CERT). You can generate the certificate for the chosen effective date or for the current policy version.

Technical Details

Type	New
Functional Localization	Localized for Germany and Austria
Scope Item	Not applicable
Application Component	FS-PMA (Policy Management for Auto Insurance)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The function module triggers the issuing of a certificate according to the Compulsory Insurance Act, schedules the correspondence, and triggers the printing of the correspondence. The system checks whether the bonus-malus can be assigned and notes the creation of the certificate in the bonus-malus.

Effects on System Administration

For customer-specific enhancements, a BAdI (/MVA/AMT_SVC_CERT_BADI) is available for the remote-enabled function module [Generate Certificate According to Compulsory Insurance Act \(PflVG\)](#). You can find the BAdI in Customizing under ► [SAP Insurance](#) ► [Policy Management](#) ► [Integration](#) ► [Services](#) ► [Remote-Enabled Function Modules](#) ► [Inquiry](#) ► [BAdI: Generate Certif. Acc. to Compulsory Insurance Act \(Extension In/Out\)](#) ►.

More Information

In the [Business Transactions](#) section, read the entry for the [Issue Certificate According to Compulsory Insurance Act](#) business transaction.

- [Business Transactions - Auto](#)

For more information about this function module, call transaction `SE37` and read the long text of the function module documentation.

15.3.1.1.9 Immediate Confirmation for Errors in CIC/IIS Inclusion

You can use this function to immediately include a notification in the dialog using the [Include Immediately](#) action in CIC/IIS Management. The system immediately confirms whether the inclusion was successful.

When you execute the (existing) [Include Notification](#) action or the (new) [Include Immediately](#) action, the system exits processing mode.

Technical Details

Type	New
Functional Localization	Localized for Germany and Austria
Scope Item	Not applicable
Application Component	FS-PMA (Policy Management for Auto Insurance)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Germany:

The system displays the [Include Immediately](#) pushbutton for an inbound positive/negative answer, for an inbound correction, or for an inbound claim-free discount return. The [Include Notification](#) pushbutton is also available for an inbound positive answer and for an inbound correction with a positive answer.

Austria:

The system displays the [Include Immediately](#) and [Include Notification](#) pushbuttons always at the same time for the inbound notifications “answer”, “correction”, and “deletion”.

Both Countries:

If both pushbuttons are displayed at the same time, you can either include the notification immediately (schedule a date and position immediately) or, as before, schedule a date for the inclusion using the [Include Notification](#) pushbutton.

You can execute the [Include Immediately](#) action only if the notification is accessed directly via the CIC/IIS Management transaction. You cannot execute the [Include Immediately](#) action if the jump to CIC/IIS Management takes place from a business process (such as Inquiry, Change, and so on).

When you execute the [Include Immediately](#) action, the system processes the date of the IIS inclusion (/MVA/CLAIM_VAS) immediately using a background update. It does not matter whether the date already existed or whether it was rescheduled by the immediate inclusion. Positioning updates the contract as far as it was before the inclusion.

If errors occur during immediate inclusion, the notification and the contract remain unchanged.

If the inclusion was successful, the status of the notification changes to "Completed" and this is also noted in the change information. Note that the [Automatic Processing](#) indicator is set in the process because processing is executed in the background as a result of the processing of the "IIS Inclusion" date.

15.3.1.2 Claims Management

15.3.1.2.1 Representative

With the representative, you can assign or change roles in the contractual relationship. Representative is the business partner of an insurance company who is assigned a certain role in the contractual relationship by or for the policyholder on a single occasion or permanently. Representatives can be natural or legal persons who, for example, act as legal guardians in terms of guardianship legislation.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-CM (Claims Management)
Valid as Of	SAP S/4HANA 2023 001

Configuration

Depending on the scope of the representative different roles are available:

- "REPR": "Representative" for general authority which can exist only once per claim.
- "RPR2": "Information Representative" (new claims role) for inquiry authority which is not limited.

The Representative Category is also stored in the participant data and indicates the type of representation, such as guardian.

In a claim they are shown in the following places:

- In the policy snapshot in the overview of participants.
- In the list of participants of the claim.
- In the navigation tree the representative with general authority in a new node below the contract node.
- In the F4 help for correspondence recipients if the policy holder is a possible recipient for the document.

15.3.1.2.2 OData API: Insurance Claim Service

Claims Management now provides the OData API Insurance Claim Service that you can use to create and update a claim. You can use the service to search for specific claim or to request the complete claim data, including all nodes for a single or several claims.

This OData service is published on the SAP Business Accelerator Hub. External Publications can then use a service URL to read claim data in accordance with the virtual data model (VDM) of Claims Management. Only the data of the latest claim version is read.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-CM (Claims Management)
Valid as Of	SAP S/4HANA 2023 001

Additional Details

The OData service returns the data about the latest version of a claim, in accordance with the VDM of the Claims Management. This is the data of the following most important entities of the Insurance Claim Service business object:

- Damaged Object
- Damaged Vehicle
- Injured Person
- Loss Location SFC
- Participant
- Payment
- Subrogation

Effects on System Administration

To use the Insurance Claim Service, the following authorization object must be assigned to the user:

- I_ICL_CTYP
- I_ICL_ACLM
- B_BUP_DCPD
- B_BUPA_GRP
- B_BUPA_RLT
- B_BUP_PCPT
- I_ICL_ACT
- I_ICL_SBRG
- I_ICL_SCLT
- I_INS_OBJ

Effects on Customizing

The Insurance Claim Service currently uses P&C LoB-specific entities.

15.3.1.3 Incentive and Sales Force Management

15.3.1.3.1 Reporting/Drilldown

The Customizing activities related to Reporting/Drilldown as well as the corresponding package have been removed from Customizing.

Technical Details

Type	Deleted
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-ICM (Incentive and Commission Management)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

You can find [Reporting/Drilldown \(Obsolete\)](#) in the Customizing for Incentive and Sales Force Management under [► General Tools ► Information Systems ► Reporting/Drilldown \(Obsolete\) ▾](#).

15.3.1.3.2 ODATA API: Commission Payment Item List

The Sales Agent API was renamed to Commission Payment Item List (API_CommsnDocPaymentItemList).

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-ICM (<i>Incentive and Commission Management</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information

[Commission Payment Item List - Read](#)

15.3.1.4 msg.PMQ

15.3.1.4.1 Error Corrections and Usability Improvements

With this feature, smaller issues has been fixed and the usability has been improved.

Technical Details

Type	Changed
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Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

- PMQ.Designer
 - The headless command *SearchAndDelete* generated exceptions regarding non-existent objects and errors due to incorrectly adjusted value restrictions. These errors have been fixed.
 - The state of the toggle button for column filters in the product navigator is now set correctly at the end of a navigation.
 - When importing QAR files, extension projects were not recognized as such in some constellations and standard projects were created instead. This has been fixed.
 - The quick fix for missing columns of internal tables now also works for tables with CSV data.
 - The refactorings for creating, deleting and renaming table columns after creating, deleting or renaming associated structure type fields now also works with tables with CSV data.
 - When creating a CAIMAN content archive, errors could occur in connection with the encoding of umlauts in the package name of the Java class files. This has been fixed.
- POTATO
 - The use of the selection filter for table types has been adjusted. Only the table types that match the filter criterion are displayed for checking.
 - The loading of the POTATO configuration for the transformation into the current data version has been corrected.

15.3.1.4.2 Export of Project Settings (UI Mode) and Import of Project Settings for Multiple Projects (Headless Mode)

This feature enables you to automatically transfer PMQ-specific project settings to multiple projects via import using the headless command *ImportProjectSettings*. Please note that the headless import of project settings affects all projects in the workspace, unlike execution via UI mode.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

It is also possible to export the settings of an individual project. These settings can then be used as a template for importing project settings for multiple projects.

The associated action can be started on a selected project via ► [File](#) ► [Export](#) ► [PMQ.Designer](#) ► [PMQ Project Settings](#) ►. By default, the user directory is suggested as the export path.

15.3.1.4.3 Checking Uniqueness Rules: Improved Specification of the Scope of Application

This feature enables you to check uniqueness rules for a specific selection of projects. The Check Design Rules action can be found in the context menu of the selected projects.

In addition, the `ValidateDesignRules` headless command has been expanded to include the option of specifying the various projects as a list.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Valid as Of	SAP S/4HANA 2023 FPS01

15.3.1.4.4 Improvements for Team Comparison Editor

With this feature it is now possible to integrate changes for selected sub-trees using the new button **Completely integrate selected trees from right to left**.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

Further it is possible to make it easier to see when comparing internal tables (which are available in both the old (XML) and the new (CSV) format), there is now a new line **Separate data file** under the General tab in the team comparison editor. In addition, the **Data** tab shows for the respective entries whether the data section is filled with content or not. If there is no content for the table entries, the entry *<saved separately>* is displayed in the respective cells.

15.4 Public Services

15.4.1 Defense & Security

15.4.1.1 Extraction of Force Elements and Flexible Material Planning Objects

You can use this feature to extract force element and flexible material planning object (FMPO) data to a local file. A selection screen is provided for the user to select either force elements and/or FMPOs. You can then select the file type and the destination for the file. The status of the download is displayed in a log overview. Customer-specific fields that are added to the objects are automatically incorporated into the download file.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-DFS-OF-FMP (<i>Flexible Material Planning Object</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

15.4.1.2 Improved Actual/Authorized Comparison Handling

This feature enables you to adjust the evaluation of the actual/authorized comparison output. New selection capabilities are provided to additionally filter the output. These selection options are:

- Inclusion of installed equipment
- Assignment type: Flexible material planning object (FMPO) assignments can be assigned to force elements and positions. Stock can also be available without any FMPO assignments. These are known as unauthorized assignments.
- WBS elements

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-DFS-OF-FMP (<i>Flexible Material Planning Object</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The actual/authorized comparison output can be influenced by the master data setting [Exclusion Objects Authorized and Actual Comparison](#). If a WBS element is maintained for a specific force element, viewing restrictions apply to the actual/authorized comparison.

15.4.1.3 Distribute and Forward Flight Order with Linked Notification and Change Protection

This feature provides the capability to distribute flight orders between the SAP S/4HANA central system and a disconnected remote server, thereby enabling an enhanced scope of business processes while operating at a remote site working offline in a communication-challenged environment.

This includes the capability for a user to decide when saving a flight order or linked notification whether their change protection is to be distributed on the basis of the work center entered.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-DFS-PM-DIS (<i>Distributed Maintenance</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

1. The flight order represents an enhancement to the core maintenance work order. It is distributed with its flight order-specific data using the same mobile data object as the core maintenance work order: WORKORDER
2. Dialog box asking for a user decision regarding the distribution of the change protection for a flight order:
 - If the flight order contains a work center for which the ownership (change protection) is found in a different system to the one in which the flight order is currently being edited, when you save, a dialog box appears asking you to decide how you want to distribute the change protection for the flight order.
 - The following options exist:
 - Cancel: The system does not save and returns to the edit mode for the flight order.
 - Yes: The flight order is saved, and the change protection is distributed to the system in which the work center has change protection.
 - No: The flight order is saved without distribution of the change protection.
3. Distribution of change protection for a linked flight order and notification
 - A link between a flight order and a notification can be created using a direct link within the order and notification header.
 - In the case of a linked flight order and notification, the change protection for both must be found in the same system to ensure that they can be edited.
 - If the dialog box mentioned above appears when you save a flight order or notification, and you confirm this with **Yes**, the change protection is distributed for both the edited flight order or notification and

the corresponding linked object, to ensure that these are consistent and can be edited in a single system.

15.4.1.4 Distribute Internal Order and Accounting Group Hierarchies

This feature provides the capability to distribute internal orders and various accounting group hierarchies between the SAP S/4HANA central system and a disconnected remote server. This enables additional functions in the area of accounting, while operating at a remote site working offline in a communication-challenged environment.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-DFS-BIT-DIS (<i>Distributed System Landscape</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

1. Internal order
 - Only those specific internal orders are derived for distribution from the SAP S/4HANA central system to the disconnected remote server that are assigned to cost elements in the accounting configuration table TKA3A.
 - Initial data distribution is performed using a subscription, while delta distribution is triggered using the report `DFS_DIS_NONEFI OBJ_SYNC`.
2. Accounting group hierarchies
 - Group hierarchies can be distributed from the SAP S/4HANA central system to the disconnected remote server for the following accounting data:
 - Order
 - Activity type
 - Cost center
 - Profit center
 - Cost element
 - Initial and delta data distribution for accounting group hierarchies is performed by executing the report `DFS_DIS_SAD_UTIL` (distribution of special application data) within the transaction `DFS_DIS_SAD`.

15.4.1.5 Distribute Data for Multiple Business Objects in the Area of Product Safety

This feature provides the capability to distribute selected data in the area of product safety between the SAP S/4HANA central system and a disconnected remote server. This enables an enhanced scope of business processes while operating at a remote site working offline in a communication-challenged environment.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-DFS-BIT-DIS (<i>Distributed System Landscape</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following data can be distributed in the area of product safety:

- Phrases
- Dangerous goods
- Hazardous materials
- Hazardous substances

Since these business objects are considered to be master data without change protection, initial and delta data distribution from the central system to the remote server is supported, whereas creating or updating such data on the remote server is not permitted.

15.4.1.6 Distribute Project Definition and WBS Element

This feature provides the capability to distribute project definitions and WBS elements between the SAP S/4HANA central system and a disconnected remote server. This enables an enhanced scope of business processes in maintenance and supply, while operating at a remote site working offline in a communication-challenged environment.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-DFS-BIT-DIS (<i>Distributed System Landscape</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following data in the SAP Project System can be distributed:

- Project definitions
- Work breakdown structure (WBS) elements

Since these business objects are considered to be master data without change protection, initial and delta data distribution from the central system to the remote server is supported, whereas creating or updating this data on the remote server is not permitted.

15.4.1.7 Enable Cross-System Supply Including Handling Unit and Packing Instruction Determination

This feature provides the capability to distribute handling units that are created when goods are packed during the delivery process using packing instruction determination between the SAP S/4HANA central system and a disconnected remote server. This enables an enhanced supply business processes scope, while operating at a remote site working offline in a communication-challenged environment.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-DFS-MM-DIS (<i>Distributed Materials Management</i>)

Additional Details

The following data can be distributed:

- Handling unit related to the flexible material planning object (FMPO)
- Handling unit created during packing in the outbound delivery
- Packing instruction related to the FMPO
- Packing instruction related to the material

By distributing the data between the central system and the remote server, the following is possible:

- Display the distributed data in the target system
- Continue the cross-system supply process using handling units

15.4.1.8 Enable Consistent Data Distribution for Online/Offline Connectivity Situations

This feature provides the capability for a system landscape administrator to manually set the connection status between the SAP S/4HANA central system and a disconnected remote server to offline and back to online. When systems have the offline connectivity status, they stop sending queues for created or updated data. Once they return to the online connectivity status, the queues can be triggered for processing to continue and complete the data distribution.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-DFS-BIT-DIS (<i>Distributed System Landscape</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Additional Details

The following options exist for setting the connectivity status between the central system and a remote server:

- Set connectivity status to offline using transaction code `/isdfps/set_offline`
- Set connectivity status to online using transaction code `/isdfps/set_online`

Once you have set the connectivity status back to online, you can trigger the restart of the queues that have not yet been processed using the report `/SMFND/IBQ_TRANS_PROC_PROG`.

15.4.1.9 Force Element, Search and Select

You can use this feature to search for a single force element or a list of force elements by selecting an appropriate template that can help refine your search.

The following templates are available:

- Force Elements by Names
- Force Elements by Plant/Storage Location
- Force Elements by Work Center
- Force Elements by Capability
- Force Elements by FMPO
- Force Elements Supplied By
- Force Elements Supply
- Force Elements Maintained By
- Force Elements Maintain

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-DFS-OF-FE (<i>Force Element (S/4)</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

15.4.1.10 Force Element and Position Apps Extensibility

This feature enables additional extensibility capabilities for the [Manage Force Elements](#) and [Manage Positions](#) apps. To improve solution flexibility and to better incorporate additional customer-specific business requirements, it allows usage of the following:

- Customer fields in standard infotypes
- Customer infotypes
- Customer facets

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-DFS-OF-FE (Force Element (S/4))
Valid as Of	SAP S/4HANA 2023 FPS01

15.4.1.11 Status Board Extensibility

This feature enables additional extensibility capabilities. To increase solution flexibility and to better incorporate additional customer-specific business requirements, it allows the usage of customer fields and customer-calculated fields:

- On the status board as search, sort, or filter criteria
- In the status board list view and detailed view
- On the header of the status board detailed view
- On the different facets of the detailed view (for example, [Notification](#) or [Work Order](#))

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	IS-DFS-PM-MNT (Maintenance (S/4))
Valid as Of	SAP S/4HANA 2023 FPS01

15.4.1.12 Status Board Site Equipment Tab

This feature improves analyses of site equipment by providing a dedicated tab in the [Display Status Board](#) list view and a dedicated detailed view. Both include cross-status board features, such as alert triggering, hyperlinks, or extensibility capabilities.

Since the management of site equipment is optional, the usage and appearance of the functionality is dynamically activated or deactivated in Customizing to improve usability.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-DFS-PM-MNT (Maintenance (S/4))
Valid as Of	SAP S/4HANA 2023 FPS01

15.4.1.13 Status Board – Start Controlled Usage Rate

This feature provides a dynamic integration that allows a navigation from the [Status Board](#) app to the [Controlled Usage Rate](#) app. In the list view, you can select equipment and compare their usage rates. This improves the decision-making process regarding equipment rotation.

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	IS-DFS-PM-MNT (Maintenance (S/4))
Valid as Of	SAP S/4HANA 2023 FPS01

15.4.1.14 Status Board – Force Element Structure Search

This feature enables the force element structure and force element multiple selection to be used when searching for equipment.

The following functions are included:

- Usage type selection (for example, organizational structure, operational, exercises)
- Expandable hierarchy view
- Subtree selection and deselection

Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-DFS-PM-MNT (Maintenance (S/4))
Valid as Of	SAP S/4HANA 2023 FPS01

15.4.2 Public Sector

15.4.2.1 Public Sector Management

15.4.2.1.1 Funds Management

15.4.2.1.1.1 'Manage Earmarked Funds' Fiori App with U.S. Federal Fields

This feature enables you to display and maintain U.S. federal-specific fields in the SAP Fiori app [Manage Earmarked Funds](#) (F7564).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PSM-FG (Functions for U.S. Federal Governments)
Valid as Of	SAP S/4HANA 2023 SPS01

Effects on Customizing

To use this feature, you have to activate the U.S. Federal fields in Customizing under ► [Public Sector Management](#) ► [Functions for US Federal Government](#) ► [General Settings](#) ► [Activate US Federal Fields in SAP Fiori Apps](#) ►.

Related Information

[Manage Earmarked Funds](#)

15.4.2.1.1.2 'Manage Funds Centers' Fiori App with Profit Center

This feature enables you to display and maintain profit centers in the SAP Fiori app [Manage Funds Center](#) (F0772A).

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PSM-FM (Funds Management)

Related Information

[Manage Funds Centers](#)

15.4.2.1.2 Tax and Revenue Management

15.4.2.1.2.1 Generate UI5 Forms

This feature enables you to generate and use UI5 Forms in the Form Processing Framework in Tax and Revenue Management.

Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-PS-CA (<i>Public Sector Contract Accounts Receivable and Payable</i>)
Valid as Of	SAP S/4HANA 2023 FPS01

Related Information



[Generating UI5 Forms](#)

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