



WHAT'S NEW | PUBLIC

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# What's New in SAP S/4HANA 1909 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 Asset Management

## 2.1 Environment, Health, and Safety

### 2.1.1 Health and Safety Management

#### 2.1.1.1 Manage Safety Instructions - Equipment

With this app, you can now manage your safety instructions for equipment centrally. For every plant in your company, you can define an individual safety instruction structure. To fill the structure with the relevant data, you can use automatic functions to derive data from existing risk assessment projects and at the same time you can add information manually wherever necessary.

#### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-HS
Available As Of	SAP S/4HANA 1909 FPS01

#### Effects on Customizing

Define your safety instruction structures in Customizing for *Environment, Health, and Safety* under [▶ Health and Safety Management](#) [▶ Safety Instruction](#) [▶ Configure Safety Instruction](#) [▶](#).

#### Related Information

[Manage Safety Instructions - Equipment](#)



## 2.1.1.2 Manage Safety Instructions - Generic

With this app, you can now also manage safety instructions others than for substances and equipment. If your business background requires additional safety instructions, this flexible approach enables you to create these safety instructions needed in your area.

### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-HS
Available As Of	SAP S/4HANA 1909 FPS01

### Effects on Customizing

Define your safety instruction structures in Customizing for *Environment, Health, and Safety* under [▶ Health and Safety Management](#) [▶ Safety Instruction](#) [▶ Configure Safety Instruction](#) [▶](#).

### Related Information

[Manage Safety Instructions - Generic](#)

## 2.1.1.3 Manage Safety Instructions for Substances

The *Manage Safety Instructions for Substances* app has been renamed to *Manage Safety Instructions - Substances*.

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS
Available As Of	SAP S/4HANA 1909 FPS01

## Related Information

[Manage Safety Instructions - Substances](#)

## 2.1.2 Environment Management

### 2.1.2.1 Emission Forecast

With this feature, you can forecast emission data based on past emission data with the help of predictive learning algorithms and statistical methods. Additionally, you can compare the forecasted emission data against the environmental limits.

By getting early indication of future deviations or non-compliance, you can plan proactively to avoid potentially unwanted events.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	EHS-SUS-EM (Sustainability Foundation)
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

This app provides the following key features:

- Select an input period of the emission data.
- Select a forecast period to estimate the emission data for.
- Select a forecast method to use in your emission data estimations.
- Display limits and check how emission forecasted data measures against them.
- Select how your filter options are displayed in the graphical view.

## Related Information

[Emission Forecast](#)

## 2.2 Country/Region Specifics

For country/region-specific changes, please see [Country/Region Specifics \[page 131\]](#).

# 3 Finance

## 3.1 Financial Planning and Analysis

### 3.1.1 Simplified Profitability Analysis Renamed Margin Analysis

The product assistance for Simplified Profitability Analysis has been renamed **Margin Analysis**.

#### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CO-PA
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

The new name reflects an extensively revised approach to real-time visibility into margins beyond the income statement.

Margin analysis is closely integrated with financial accounting, ensuring holistic and consistent financial information without the need for reconciliation effort.

#### Related Information

[Margin Analysis](#)

## 3.2 Accounting and Financial Close

### 3.2.1 General Ledger Accounting

#### 3.2.1.1 Quantity-Based Accruals

Quantity-based accruals could be used when a company purchases consumable material or service with a scheduled delivery plan across several accrual periods. In this case, accrual amounts are calculated based on quantities and the unit price that could be changed during the continuous delivery. In the review process, you change the quantity that causes the change of accrual amount, instead of directly adjusting the accrual amount.

#### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	2VB (Purchase Order Accruals)
Application Component	FI-FIO-GL
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

If no costs are posted by any goods receipt entry before the last period, accruals are calculated based on the quantity multiplied by the unit price of the purchase order item. If valuated goods receipt entry posts the costs as entered quantity multiplied by the unit price, accruals are only needed if not all good receipts have been posted despite the material or service is already received.

All features of quantity-based accruals are applicable at the backend only.

#### Effects on System Administration

To enable quantity-based accruals at backend, you must finish settings in the [Define Accrual Item Types](#) customizing activity. In the view of [Item Type Settings for LG Incl. Rep. Ledger](#), you select the [Quantity-Based Accrual Calculation](#) checkbox.

## Related Information

[Quantity-Based Accruals](#)

[Examples of Calculating Quantity-Based Accruals](#)

### 3.2.1.2 Changes in Reconcile GR/IR Accounts App

You can use the [Reconcile GR/IR Accounts](#) app to clarify and resolve issues for purchase order items where amounts and quantities do **not** match in invoice receipts and goods receipts. New features have been added to especially allow navigation to other apps to ease and fasten your tasks when working with the app. To open this app, you can search for the app name in the [App Finder](#) of the SAP Fiori Launchpad.

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J58 (Accounting and Financial Close)
Application Component	FI-GL-IS
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

Depending on your authorizations, you can now additionally navigate to other apps, as described in [Access Other Apps from Reconcile GR/IR Accounts](#).

## Related Information

[Reconcile GR/IR Accounts](#)

[Access Other Apps from Reconcile GR/IR Accounts](#)

[Monitor GR/IR Account Reconciliation](#)

### 3.2.1.3 Purchase Order Accruals Integration with Central Finance

Purchase orders can be replicated from source systems into the Central Finance system as Accounting View of Logistics Information (AVL). In the central Finance system, you transfer the replicated purchase orders into the accrual engine as accrual objects in order to calculate and post accruals.

#### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	2VB (Purchase Order Accruals)
Application Component	FI-GL-GL-POA
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

With the integration between purchase order accruals and the Central Finance system, you can do the following activities:

- Transfer purchase orders to the Accrual Engine
- Perform periodic posting runs

The following activities aren't supported:

- Propose periodic amounts
- Review purchase order accruals
- Approve purchase order accruals

#### Related Information

[Central Accruals Management \[page 24\]](#)

## 3.2.1.4 Accounting Enhancements for Banking


You can use **Error Correction and Suspense Accounting (ECS)** with the following **Multi Currency Accounting (MCA)** features:

- MCA Journal
- FX Swap
- FX Corrections




### Technical Details


Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	<ul style="list-style-type: none"><li>• AC-INT-ECS (Error Correction and Suspense Accounting)</li><li>• FI-GL-CU-MCA (Multi Currency Accounting)</li><li>• FI-GL-GL-ADB (Average Daily Balances)</li></ul>
Available As Of	SAP S/4HANA 1909 FPS01

### Additional Details

The following transactions have been renamed in the SAP Easy Access Menu under [Accounting > Bank Applications > Enhancements for Accounting > Multi Currency Accounting > Periodic Processing > General Ledger Processing > Reclassify Foreign Currencies](#) 

*Transfer FX Balances* and *Transfer FX Transactions* have been renamed to *Reclassify Foreign Currencies (Balance-Based)* and *Reclassify Foreign Currencies (Single Transaction)*.

[Valuate \(Customer Vendors\) > Revalue Vendor and Customer Items](#)  has been renamed to [Value \(Open Items\) > Revalue Open Items](#)  in the SAP Easy Access Menu under [Accounting > Bank Applications > Enhancements for Accounting > Multi Currency Accounting > Periodic Processing > Subledger Processing](#) .

The Customizing activities *Maintain Target Accounts for P&L Close* and *Maintain Target Accounts for Adjustment of Implicit FX Transactions* in the SAP Customizing structure under [SAP Banking > Enhancements for Accounting > Multi Currency Accounting > Account Determination](#)  have been renamed to *Maintain Target Accounts for FX Reclassification* and *Maintain Target Accounts for Transforming FX Transactions into Funct. Cur.*



## 3.2.2 Revenue Accounting and Reporting

### 3.2.2.1 Enhancements for Reconciling Operational Data with Revenue Accounting

There are new features available for the *Reconcile Operational Data with Revenue Accounting* report (transaction FARR\_BIZ\_RECON):

- The report now supports the integration with sender component Contract Accounts Receivable and Payable.
- The report now supports the selection of multiple sender components and multiple source systems.

#### Technical Details

Type	Changed
Available In	Available in all countries/regions
Application Component	FI-RA-ANA (Revenue Accounting Analytics)
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

For the reconciliation of operational data from sender component Contract Accounts Receivable and Payable, SAP delivers default implementation FARR\_BADI\_BIZ\_RECON\_CA of *BAdI: Business Reconciliation Integration Component* (FARR\_BADI\_BIZ\_RECON). If you want to import data from other SAP components or external sender components (third-party software), you can also create your own implementation of the BAdI.

#### Effects on Customizing

The *BAdI: Business Reconciliation Integration Component* (FARR\_BADI\_BIZ\_RECON) was added to Customizing for *Financial Accounting (New)* under **Revenue Accounting > Revenue Accounting Analytics > Business Add-Ins**.

For more information, see the associated system documentation located in the same location as the Customizing activity.

## More Information

- For more information about enhancements made to report *Reconcile Operational Data with Revenue Accounting*, see SAP Note [2823583](#).
- For more information about the SAP-delivered BAdI implementation to reconcile data from sender component Contract Accounts Receivable and Payable, see SAP Note [2861044](#).
- [Reconciling Operational Data with Revenue Accounting](#)

## 3.2.2.2 Revenue Accounting Integration

This feature enables you to integrate SAP S/4HANA Service (Service) with Revenue Accounting and Reporting (Revenue Accounting). This integration supports you in recognizing revenue that results from service contracts according to the rules framework of the International Accounting Standards Board (IASB) and Financial Accounting Standards Board (FASB).

### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SRV-CTR FI-RA
Available As Of	SAP S/4HANA 1909 FPS01

### Effects on System Administration

When setting up the integration with Revenue Accounting and Reporting, you also need to activate and configure the Sales (Sales and Distribution) integration as a prerequisite.

### Effects on Customizing

To enable the integration with Revenue Accounting and Reporting, you must perform the following Customizing activities in Customizing for *Service*:

- [Revenue Accounting Integration: Overview](#)

- [Define Relevance Type for Revenue Accounting](#)  
Alternatively, define the relevance type using the [BAAdI: Determine Relevance Type and Reference for Revenue Accounting](#)

## Related Information

[Revenue Accounting Integration](#)  
[Integration with SAP S/4HANA Service](#)

## 3.2.3 Intercompany Matching and Reconciliation

### 3.2.3.1 Email Communication

This feature enables you to communicate through emails within the [Manage Assignments](#) app.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	40Y (Intercompany Reconciliation Process)
Application Component	FIN-CS-ICR
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

In the [Manage Assignments](#) app, you can select any assigned or unassigned items and include them in an email to designated recipients. When doing so, you can use the standard email template SAP delivers or the one you have defined and assigned to the relevant matching methods.

## Related Information

[Define and Assign Email Templates](#)  
[Manage Assignments](#)

## 3.2.3.2 API for Importing Matching Items

This service enables you to import matching items from a client system to SAP S/4HANA, so that the data can be processed in *Intercompany Matching and Reconciliation*. It is particularly useful if you want to match and reconcile external data, for example for the organizational units that are outside of SAP S/4HANA.

### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	40Y (Intercompany Reconciliation Process)
Application Component	FIN-CS-ICR
Available As Of	SAP S/4HANA 1909 FPS01

### Related Information

[Matching Items - Bulk Import](#)

## 3.2.4 Central Finance

### 3.2.4.1 Central Payment: Cross-System Process Control

With this feature, you can implement controls that allow the smooth and consistent flow of business processes which involve changes to documents and which are distributed across different systems where documents are replicated between the systems.

### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	No scope item required

Application Component	FI-CF (Central Finance)
Available As Of	SAP S/4HANA 1909 FPS1

## Additional Details

When you use Central Payment in a Central Finance scenario, you run payment and clearing activities in the Central Finance system. Invoices are replicated from a source system to the Central Finance system via SLT (SAP System Landscape Transformation Server) and technically cleared in the source system. The actual clearing status of an invoice though is only available in the Central Finance system.

Within the Central Payment scenario, you can use the cross-system process control to implement the following controls:

- For SD invoices, FI invoices and down payment requests, the system prevents that a reversal is posted accidentally in the source system in the following cases:
  - The document has already been cleared in the Central Finance system.
  - The customer/vendor account is locked in the Central Finance system.
  - The corresponding replicated document is locked in the Central Finance system.
- Besides individual document reversal (FB08), the controls above are also available for cross-company code reversal (FBU8).

### Note

- For the source system: CSPC is available for Central Payment running on a source system of SAP ECC 6.0 or higher.
- For the Central Finance system: CSPC is available for Central Payment running on the Central Finance system of SAP S/4HANA 1709 FPS0 or higher.

For more information about the system releases, starting from which you can use CSPC, please see SAP Note [2819756](#).

## Effects on Customizing

You need to carry out the following activities **in the source system** in Customizing for Central Finance (transaction `CFINIMG`) under **Central Finance** > **Central Finance: Source System Settings** > **Cross-System Process Control (Source System)**.

- *Set up RFC Connections for Cross-System Process Control*
- *Configure Remote Systems for Cross-System Process Control*

Carry out the following activities **in the Central Finance system** in Customizing for Central Finance (transaction `CFINIMG`) under **Central Finance** > **Central Finance: Target System Settings** > **Cross-System Process Control (Target System)**.

- *Set up RFC Connections for Cross-System Process Control*
- *Configure Remote Systems for Cross-System Process Control*

## Related Information

[Activation of Cross-System Process Control for Central Payment](#)

### 3.2.4.2 Transfer Rule for Activity Rate Replication from Source System to Central Finance

With this enhancement, you can activate transfer rules to restrict the number and kind of activity rates that can be transferred from the source system to the Central Finance system during ongoing replication.

#### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	No scope item required
Application Component	FI-CF (Central Finance)
Available As Of	SAP S/4HANA 1909 FPS1

#### Additional Details

If you have activated the transfer rules, the activity rates from source systems will be validated against the rules in the Central Finance system before being mapped and posted. Only successfully validated activity rates can be processed. Processing results are shown in SAP AIF. Activity rates that do not pass the transfer rule check will not be shown in SAP AIF.

#### Effects on Customizing

You need to make the following configurations for transfer rules in Customizing for Central Finance in transaction `CFINIMG`, under [▶ Central Finance: Target System Settings ▶ Replication Settings for Activity Rates ▶](#):

1. *Activate Transfer Rule for Activity Rate Replication from Source to Central:* You activate or deactivate the check of transfer rules. By default, the status is inactive.
2. *Define Transfer Rule for Activity Rate Replication from Source to Central:* You maintain the values in transfer rules based on the data scope you'll transfer for activity rates. Otherwise, the data will not be transferred to the Central Finance system.

## Related Information

[Activity Rates Replication](#)

### 3.2.4.3 Accounting View of Logistics Information (New Functions)

With the new functions, you can compare the AVL data in the Central Finance system with the logistics objects data in the source system. You can trace the number and detailed data (relating to all fields) of replicated logistics transaction documents that should have been replicated to the Central Finance system and check whether they have been transferred correctly. In addition to SAP ECC source systems, you can now use SAP S/4HANA source systems in the AVL scenario.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	No scope item required
Application Component	FI-CF (Central Finance)
Available As Of	SAP S/4HANA 1909 FPS1

## Additional Details

To access the comparison reports, call transaction:

FINS\_CFIN\_DFV\_AV\_SO for AVL Sales Document

FINS\_CFIN\_DFV\_AV\_CI for AVL Billing Document

FINS\_CFIN\_DFV\_AV\_SI for AVL Supplier Invoice

FINS\_CFIN\_DFV\_AV\_PO for AVL Purchasing Document

## Related Information

[Accounting View of Logistics Information \(AVL\): Overview](#)

### 3.2.4.4 Central Accruals Management

With this feature, central purchase order accruals can be calculated and posted automatically across finance and logistics systems. Accounting View of Logistics Information (AVL) replicates operational data from source systems to the Central Finance system, and then the Accrual Engine on the Central Finance system uses the data of purchase orders to calculate and post accruals.

#### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	No scope item required
Application Component	FI-CF (Central Finance)
Available As Of	SAP S/4HANA 1909 FPS1

#### Additional Details

This feature is available for source systems of SAP ERP 6.0 EhP4 and higher, including SAP S/4HANA systems.

After AVL replicates purchase orders, you can do the following activities:

- Transfer Purchase Orders to Accrual Engine
- Perform Periodic Posting Runs

The following optional activities are **not** available in this feature.

- Propose Periodic Amounts
- Review Manually Adjusted Periodic Amounts
- Approve Periodic Amounts

## Related Information

[Central Accruals Management](#)



## 3.2.4.5 Document Splitting

These features enable you to carry out additional checks and simulations if you have activated document splitting in your Central Finance scenario.

### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CF
Available As Of	SAP S/4HANA 1909 FPS01

### Additional Details

#### Consistency Check Report

The consistency check report has been enhanced with the following additional checks for the configuration of document splitting, for a scenario in which document splitting is active in both your source and your Central Finance systems:

- Classification of G/L accounts for document splitting
- Classification for document types for document splitting
- Document splitting characteristics for General Ledger Accounting

#### Simulation of Document Splitting in AIF Monitor

With this feature you can carry out a simulation of document splitting in the AIF Monitor.

If document splitting is active in both your source and your Central Finance system, you can trigger a simulation of document splitting for documents which cannot be posted and are displayed with errors in SAP AIF.

This document splitting simulation is the same function that is available in transaction `FB01`.

### Related Information

[Configuration Consistency Check](#)

[Error Handling](#)

[Document Splitting](#)

## 3.2.4.6 Advanced Compliance Reporting: Additional Country/Region-Specific Reports

This feature enables you to use additional country/region-specific reports from advanced compliance reporting in the Central Finance scenario.

### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CF
Available As Of	SAP S/4HANA FPS1

### Additional Details

For a complete list of the supported reports, see the documentation linked below.

### Related Information

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

## 3.3 Treasury Management

### 3.3.1 Cash and Liquidity Management

#### 3.3.1.1 Import Signatory Cards

You can now import signatory cards into your system and assign signatory cards to bank accounts. Signatory cards are documents that contain information about the rightful signatories and their mandates for bank account operations.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	J77 (Advanced Bank Account Management)
Application Component	FIN-FSCM-CLM-BAM
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

The original term **signatory** has been renamed **payment approver** to distinguish it from the term signatory as used in the context of signatory cards. The two concepts are defined as follows:

- **Signatory**: a person who holds a mandate from a bank for certain bank account operations.  
For more information, see [Import Signatory Cards](#).
- **Payment approver**: a person who has the authorization to approve bank payments.  
For more information, see [Defining Payment Approver Process](#).

### 3.3.1.2 Partial Fulfillment for Cash Trade Requests

Partial fulfillment is now supported in cash trade requests. After a trade request is split and partially fulfilled or declined, the original cash trade request acquires the *In Process* status and displays the open amount and forecasted open opposite amount that are to be fulfilled.

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J78 (Advanced Cash Operations)
Application Component	FIN-FSCM-CLM-COP
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

After a trade request is split into two or more line items, you may observe the following status changes in your cash trade request:

- When any of the line items is fulfilled or declined, the original cash trade request acquires the *In Process* status.
- When all the line items are fulfilled, the original cash trade request acquires the *Completed* status.
- When all the line items are declined, the original cash trade request acquires the *Canceled* status.

## Related Information

[Create Cash Trade Requests](#)

### 3.3.1.3 Reconcile Cash Flows - Intraday Memo Records

You can now use the *Changed After Reconciliation* indicator to monitor the changes in reconciled items and decide if you need to redo the reconciliation.

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	J78 (Advanced Cash Operations)
Application Component	FIN-FSCM-CLM-COP
Available As Of	SAP S/4HANA 1909 FPS01

## Related Information

[Reconcile Cash Flows - Intraday Memo Records](#)

### 3.3.1.4 Numbering of Memo Records

The Customizing activity *Define Number Ranges* has been removed from the *Cash and Liquidity Management* structure because it is no longer needed for memo records.

#### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BFB (Basic Cash Operations), J78 (Advanced Cash Operations)
Application Component	FIN-FSCM-CLM-COP
Available As Of	SAP S/4HANA 1909 FPS01

#### Effects on Customizing

When the *Manage Memo Records* app was introduced with SAP S/4HANA 1809, the numbering method for memo records was also changed.

Previously, memo records were numbered by company code with number ranges defined in the Customizing activity *Define Number Ranges*, under [Financial Supply Chain Management](#) > [Cash and Liquidity Management](#) > [Cash Management](#) > [Memo Records](#).

This Customizing activity is no longer needed because memo records are now stored in the One Exposure from Operations hub using the new numbering logic. With the new logic, memo records are numbered continuously irrespective of company code.

## 3.3.2 Treasury and Risk Management

### 3.3.2.1 Version Management for Treasury Correspondence Format Mappings

This feature enables you to use new functions for version management in the *Map Treasury Correspondence Format Data* app.

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	3QM (Treasury Correspondence Integration with SWIFT Network), 1WV (Debt and Investment Management), 1X1 (Foreign Currency Risk Management)
Application Component	FIN-FSCM-TRM
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

The [Map Treasury Correspondence Format Data](#) app has been enhanced to allow storing different versions of format mappings, generating new versions, or restoring older versions.

## Effects on Existing Data

The user interface of the [Map Treasury Correspondence Format Data](#) app has been changed as follows:

- A new dropdown list is available next to the name of the format mapping, where you can select the required version of the format mapping.
- The new [Generate Backup](#) button is available on the top of the screen in editing mode, which allows the creation of a backup version from the draft maintenance version you are editing.

## Related Information

[Map Treasury Correspondence Format Data](#)

## 3.3.2.2 Hedge Management and Accounting

### 3.3.2.2.1 Date for Exposure Item Determination for Non-Deliverable Instruments

With this feature, you can influence how exposure items are determined for non-deliverable instruments, such as non-deliverable forwards, that are used as hedging instruments. You can now decide in the hedging area whether the value date or the fixing date of the non-deliverable instrument is used.

#### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FIN-FSCM-TRM
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

The determination of the exposure item hedged with a non-deliverable instrument, such as a non-deliverable forward, is now subject to the newly introduced *Date for Determining Exp.Itm for Non-Del. Inst.* indicator.

Two different attribute values are available:

- Fixing date
- Value date

The default value is the value date.

Depending on this setting in the hedging area, the system searches for the exposure item using the value date or the fixing date.

If hedge accounting is active for the hedging area, the hedging relationships are created, and the planned dedesignation date and the dedesignation date of the hedging relationship are set either to the value date or to the fixing date of the hedging instrument.

## Effects on Existing Data

This newly introduced indicator does not have an effect on existing hedging relationships. The indicator is visible in the hedging area and shows the default value *Value Date*. This setting corresponds to how system behavior was previously.

You cannot apply the indicator to existing hedging areas. To be able to use the indicator, you have to create a new hedging area.

## Related Information

[Hedging Area: Main Data](#)

### 3.3.2.2.2 Manual Trade Request

With this feature, you can create trade requests manually from the *Process Trade Requests* app.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FIN-FSCM-TRM
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

If you want to trade a specific currency amount without specifying an origin, you can use the *Process Trade Requests* app to create trade requests with the trade request category *Manual* directly.

## Related Information

[Creating Manual Trade Requests](#)



### 3.3.2.3 Exponential Interest Calculation with Factors

With this feature, you can create interest condition items for your interest rate instruments and current account-style instruments using the new interest calculation type *Exponential Interest Calculation with Factors*. This new interest calculation type leads to more precise interest amounts for interest conditions with exponential interest calculation. This is reached by the introduction of factors and base factors which values are rounded on a user-defined number of decimal places, so fewer rounding differences occur.

#### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FIN-FSCM-TRM
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

##### Exponential Interest Calculation with Factors

This new interest calculation type delivers more precise values because the determination of the calculation base amount has been changed from a summation of amounts to a product multiplying the capital with the so called base factors.

**Exponential Interest Calculation**  
 Example with daily interest adjustment within an interest period

$$z_1 = (K_0) \left[ \left( 1 + \frac{r_1}{100} \right)^{1/b} - 1 \right]$$

$$z_2 = (K_0 + z_1) \left[ \left( 1 + \frac{r_2}{100} \right)^{1/b} - 1 \right]$$

$$\vdots$$

$$z_n = \underbrace{\left( K_0 + \sum_{j=1}^{n-1} z_j \right)}_{\text{Base Amount}} \left[ \underbrace{\left( 1 + \frac{r_n}{100} \right)^{1/b} - 1}_{\text{Factor } D_n} \right]$$

where  
 $z_i$  = Interest amount of interest adjustment period  $i$   
 $K_0$  = Capital amount at the beginning of the interest period  
 $R_i$  = Interest rate of interest adjustment period  $i$   
 $b$  = Base days of interest calculation method  
 Base amount = Sum of capital + interests of previous interest adjustment periods  
 $D_n$  = Interest factor = Factor

**Exponential Interest Calculation with Factors**  
 Example with daily interest adjustment within an interest period

$$z_1 = (K_0) \left[ \left( 1 + \frac{r_1}{100} \right)^{1/b} - 1 \right] = K_0 [D_1 - 1]$$

$$z_2 = (K_0 + K_0 [D_1 - 1]) [D_2 - 1] = K_0 (D_1) [D_2 - 1]$$

$$\vdots$$

$$z_n = K_0 (D_1 D_2 \cdots D_{n-1}) [D_n - 1] = K_0 \underbrace{\left( \prod_{j=1}^{n-1} D_j \right)}_{\text{Base Factor}} [D_n - 1]$$

where  
 $z_i$  = Interest amount of interest adjustment period  $i$   
 $K_0$  = Capital amount at the beginning of the interest period  
 $R_i$  = Interest rate of interest adjustment period  $i$   
 $b$  = Base days of interest calculation method  
 Base factor = Calculation base factor (optionally rounded or truncated on a number of decimal places defined in condition)  
 $D_n$  = Interest factor = Factor (optionally rounded or truncated on a number of decimal places defined in condition)

**Changes on Condition Details: Interest Screen**

- On the *Condition Details: Interest* screen, you can now choose the new interest calculation type *Exponential Interest Calculation with Factors*.
- In the *Round Amounts* area, you can enter a rounding category in the new *Factor RC* field for the factor and the number of rounding decimal places for a factor in the new *Dec. Fac. Round* field. The number of rounding decimal places is used with the rounding category for the factor to be rounded.
- In the *Calculation Base* area, you can enter rounding category for the base factor in the new *Base Factor RC* field and the number of rounding decimal places for a base factor in the new *Dec. BF Round* field. The number of rounding decimal places is used with the rounding category for the base factor to be rounded.

**i Note**

These condition details are available for product categories 550, 610, and 620, if the following conditions are fulfilled:

- You activated the business function *TRM, Money Market Enhancements* (FIN\_TRM\_MME).
- You have chosen *Parallel Conditions* in the *Cash Flow Calculation* field for these product types in the Customizing settings for the product types.

**Related Information**

[Condition Details: Interest \(Parallel Conditions\)](#)

### 3.3.2.4 New Feature for Alert Monitor

With this feature, the *Payment and Posting* tab of the *Alert Monitor* now also monitors postings and payments of security class positions. The tab is enhanced by the *Sec.AcctMgt: Issue no Messages* indicator as well as the selection area for flows/security class positions of the securities account management by security class ID and securities accounts.

#### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FIN-FSCM-TRM
Available As Of	SAP S/4HANA 1909 FPS01

#### Related Information

[Alert Monitor](#)

### 3.3.2.5 Save the Details of Market Data Request in the Application Log

You can now set the indicator *Save Execution Detail Information in Application Log* before you start the *Request Current Market Data* transaction. After the run, all messages that occurred during the request for market data are displayed in the application log.

#### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	FIN-FSCM-TRM
Available As Of	SAP S/4HANA 1909 FPS01

## Related Information

[Request Current Market Data](#)

### 3.3.2.6 Display Reversed Flows Separately in the Treasury Posting Journal - Classic

With this feature, you can display the reversal postings and the reversed postings in separate lines in *Treasury Posting Journal - Classic* (transaction `TPM20` in area menu of the specific areas, such as money market, foreign exchange, or securities under [▶ Information System > Accounting ▶](#) and also available as app on SAP Fiori launchpad).

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FIN-FSCM-TRM
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

In the *Other Selections* area, two new radio buttons are available for *Reversed Business Transactions*, which allow to either display *Only Reversed Postings* or *Original and Reversal Postings* in separate lines.

## Related Information

[Treasury Posting Journal - Classic](#)

## 3.4 Financial Operations

### 3.4.1 Receivables Management

#### 3.4.1.1 Modified Screen Layout in the Manage Bank Statement Reprocessing Rules app

##### Technical Details

The new screen layout lists bank statement reprocessing rules under three tabs. Each tab represents a different category.

- Under the *My Rules* tab, the system displays the rules that you've created.
- Under the *Shared Rules* tab, the system displays the rules, which are shared, and that can be used by every user within a specific company code.

##### i Note

Rules that are shared are only listed under the *Shared Rules* tab.

- Under the *Automated Rules* tab, the system displays all active and inactive automated rules.

If you share one of your rules, this rule will be displayed in the *Shared Rules* tab and is no longer displayed in the *My Rules* tab. The same applies to automated rules. Whenever you automate a rule, this rule will only be displayed in the *Automated Rules* tab.

Type	Changed
Functional Localization	Not applicable
Scope Item	J59
Application Component	FI-FIO-AR
Available As Of	SAP S/4HANA 1909 FPS01

##### Related Information

[Manage Bank Statement Reprocessing Rules](#)

## 3.4.2 SSF Service Configurator

The Shared Services Framework (SSF) Service Configurator enables you to model and reorganize your shared services processes for your Shared Service Organization (SSO) embedded in the system.

### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SRV-SRQ (S4CRM: Service Request)
Available As Of	SAP S/4HANA 1909 FPS01

### Additional Details

This feature enables you to:

- Define process flows tailored to your requirements.
- Link work instructions to each step.
- Assign responsibilities to each step or activity, and trigger automated activities, such as email notifications.
- Forward and post documents automatically.
- Create individual forms and link them to your process flows.

For more information about the technical prerequisites, see [2834189](#) 

For more information about the individual features, go to <https://help.sap.com/s4hana> and open the Feature Scope Description for the relevant release. In the document, search for "SSF Service Configurator".

## 3.5 Billing and Revenue Innovation Management

### 3.5.1 Convergent Invoicing

#### 3.5.1.1 Master Data: Validity Range of Master Agreements

To define validity areas, you can define sales and distribution (SD) customer hierarchy nodes in master agreements and agreements.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not relevant
Application Component	FI-CA-INV (Convergent Invoicing)
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

Besides agreements on products, prices, discounts, and the procedure for invoice creation, the master agreement also contains additional parties (represented by business partners), who can sign individual contracts under the conditions of the master agreement.

The validity area describes which billable items belonging to a master agreement are to be taken into account in a given agreement.

To define which items belong to a validity area, you specify conditions that relate to attributes of the item or that can be derived from the attributes of the item. The attributes include contract partner, products, as well as fields in the billable item.

If you specify the same list of business partners or products for multiple agreements, you could group previously defined contract partners and products in the master agreement in the interest of simplified processing of the validity areas.

If the required groups of business partners are already available in your system in the form of a customer hierarchy node, you can now also define these customer hierarchy nodes in the master agreement and enter them in the agreements.

You use customer hierarchies in sales and distribution (SD) to represent complex customer structures (such as the regional classification of a buying group).

You maintain customer hierarchies in the [Maintain Customer Hierarchy](#) app (transaction VDH1N).

## Effects on Customizing

You configure customer hierarchies in Customizing for Sales and Distribution under [Master Data](#) > [Business Partners](#) > [Customers](#) .

## Related Information

[Master Agreement](#)

### 3.5.1.2 Intercompany Settlement

With this feature, you can handle intercompany settlements where one company issues an invoice to the customer while another company in the same corporate group provides the service.

Intercompany settlement can be triggered when an end customer uses services or products from a service provider, which are supplied by another company in the corporate group. However, intercompany settlement need not be triggered by an end customer transaction.

The intercompany settlement process in Convergent Invoicing is automated and enables creation of the following:

- A debit memo request from the supplying company code
- An intercompany invoice
- A liability posting to the requesting company code (payable to the supplying company code)

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FI-CA-INV
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

The following intercompany settlement procedures are supported:

- Synchronous offsetting entry to the appropriate company code, when the intercompany invoice is created.
- Asynchronous offsetting entry to the appropriate company code, by generating an offsetting billable item when a billable item for intercompany settlement is created. The offsetting billable item can be billed and invoiced separately.



## Effects on Customizing

To support intercompany settlement, you need to:

- Add the new interface component *Basic Data for Intercompany Settlement* (ICO\_DATA) to your billable item class.
- Define settings for intercompany settlement in Customizing for *Contract Accounts Receivable and Payable* under ► *Convergent Invoicing* ► *Intercompany Settlement* ⌵.
- Add intercompany settlement fields to your billing document items, by running transaction FKKINV\_ENH\_ICO.
- Add the new invoicing function *Intercompany Settlement* (INV\_ICO) to your invoicing process.

## Related Information

[Intercompany Settlement](#)

## 3.5.2 Receivables Management and Payment Handling

### 3.5.2.1 Processing Incoming Payments: Credit Management in Distributed Systems

If Contract Accounts Receivable and Payable runs in a different system to the one in which you import your bank statements, you can use the program for transferring data from the electronic account statement (RFKKA00/transaction FPB7) to transfer bank statement items by RFC from the FI system to the FI-CA system.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not relevant
Application Component	FI-CA-BT-PY-PP (Processing Incoming and Outgoing Payments)
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

During the data transfer, the source ID controls which system the bank statement items are imported from. For each source ID, you specify in Customizing, from which the transfer program (logical) system is to import the items.

You define the source IDs in the FI-CA system in Customizing for Contract Accounts Receivable and Payable under [▶ Business Transactions ▶ Payments ▶ Processing Incoming and Outgoing Payments ▶ Define Selection of Bank Statement Items ▶](#).

## Effects on Customizing

You define the source IDs in the FI-CA system in Customizing for Contract Accounts Receivable and Payable under [▶ Business Transactions ▶ Payments ▶ Processing Incoming and Outgoing Payments ▶ Define Selection of Bank Statement Items ▶](#).

## Related Information

[Transfer of Bank Statement items in Distributed Systems](#)

## 3.5.2.2 Integration with Sales and Distribution (SD)

If you transfer invoices from SD to contract accounts receivable and payable, you define for each customer account group whether SD invoices for these customers are posted in accounts receivable accounting or in contract accounts receivable and payable.

You can also differentiate further and define that combinations of customer accounts group, sales organization, and order type for invoices are posted in accounts receivable accounting instead of in contract accounts receivable and payable.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not relevant

Application Component	FI-CA-IN-SD (Sales and Distribution)
Available As Of	SAP S/4HANA 1909 FPS01

## Effects on Customizing

You make the relevant settings in Customizing for Contract Accounts Receivable and Payable under [► Integration ► Sales and Distribution ► Define Subledger Postings for Order Type and Sales Organization ►](#).

## Related Information

[Integration with Sales and Distribution \(SD\)](#)

### 3.5.2.3 Reconciliation with Revenue Accounting

In the transaction for reconciling operative data (FARR\_BIZ\_RECON), Revenue Accounting now also supports reconciliation of transfer records of the sender component CA.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not relevant
Application Component	Integration FI-CA-IN
Available As Of	SAP S/4HANA 1909 FPS01

## Related Information

[Data Reconciliation](#)

## 3.6 Governance, Risk, and Compliance for Finance

### 3.6.1 International Trade

#### 3.6.1.1 Data Migration in International Trade

Migration of legal control data (control classes, control groupings, the assignment to a product, licenses and assignment of licenses) from SD-FT to new data model.

##### Technical Details

Type	New
Functional Localization	Localized for all countries
Scope Item	1W8, 1WC, 1WE
Application Component	SLL-ITR-TRC
Available As Of	SAP S/4HANA 1909 FPS01

#### 3.6.1.2 Classification for International Trade

##### 3.6.1.2.1 Assign Customs Tariff Numbers End-Use specific to Products

Assign scenario specific customs tariff numbers to a product in international trade through the usage of end-uses that are defined for a numbering scheme.

Affected apps:

- Classify Products for End-Uses - Customs Tariff Numbers
- Reclassify Products for End-Uses - Customs Tariff Numbers
- Display Classified Products - International Trade
- Display International Trade Classification

## Technical Details

Type	New
Functional Localization	Localized for all countries
Scope Item	2U3
Application Component	SLL-ITR-CLS
Available As Of	SAP S/4HANA 1909 FPS01

### 3.6.1.2.2 Consistency of Classification data between SAP S/4HANA and SAP ECC Systems

Assure consistency of classification data on the product level between SAP S/4HANA and SAP ECC systems.

Affected apps:

- Classify Products - Commodity Codes
- Reclassify Products - Commodity Codes

Please also refer to the following SAP notes:

- [2840707](#): Distribution of product classifications with commodity codes to ECC: Product classification API
- [2840709](#): Distribution of product classifications

## Technical Details

Type	New
Functional Localization	Localized for all countries
Scope Item	2U3
Application Component	SLL-ITR-CLS
Available As Of	SAP S/4HANA 1909 FPS01

## 3.6.1.3 Intrastat

### 3.6.1.3.1 Additional Fields in Intrastat Declarations for Dispatches in Germany

For Germany, a new legal change is planned to take effect on January 1st, 2022.

The following 2 new fields were added to Intrastat declarations for dispatches:

- Partner VAT registration number
- Country of origin

Before January 1st, 2022, these two fields are optional. Companies can start to specify this information before January 1st, 2022, to adapt their business processes in advance of the legal change.

#### Technical Details

Type	New
Functional Localization	Localized for Germany
Scope Item	BDT
Application Component	SLL-ITR-ISR
Available As Of	SAP S/4HANA 1909 FPS01

## 3.7 Commodity Management

### 3.7.1 Commodity Procurement

#### 3.7.1.1 Manage Price Fixation Options (Fiori App)

With this Fiori app (ID F4268) you can, for complete or partial pricing-relevant commodity quantities of logistics documents, replace the floating prices by agreed fixed prices by means of exercising price fixation options. Existing price fixation exercises can be updated or deleted with the app, too.

## Technical Details

Type	New
Application Component	CA-GTF-CPE (Commodity Pricing Engine)
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

To use the *Manage Price Fixation Options* Fiori app you must have activated business function LOG\_CPE\_SD\_MM, and assigned the business role SAP\_BR\_CMMFDOF\_TRADER (Role ID R0071-17) to your user. The Customizing for price fixation options can be found in the IMG under [Sales and Distribution/Materials Management](#) > [Purchasing](#) > [Commodity Pricing](#) > [Commodity Pricing Engine](#) > [Term-Specific CPE Settings](#) > [Define Rule for Definition of Price Fixation Option](#).

### 3.7.1.2 Tiered Pricing Handling

With the Tiered Pricing, contracts can include a negotiated price structure referring to market data, deviated into quantity tiers or date tiers. The call-off documents and the delivery documents consume the price-relevant information from the tiers following the FIFO logic.

Note, that you can only use either the Tiered Pricing or the Price Fixation Option function. As soon as one of both functions is used in a contract, the other one will be disabled automatically.

## Technical Details

Type	New
Application Component	CA-GTF-CPE (Commodity Pricing Engine)
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

To use this feature you must have activated the business function LOG\_CPE\_SD\_MM.

### 3.7.1.3 Tiered Pricing Workbench

With this feature you can adjust or enhance quantity tiers and date tiers of prices in call-off documents. If required, to consume the tiered prices properly, you can change call-off item quantities, or resort deliveries following the FIFO logic. Furthermore, you can cancel final invoices to make changes on preceding documents possible.

#### Technical Details

Type	New
Application Component	CA-GTF-CPE (Commodity Pricing Engine)
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

To use this feature you must have activated the business function `LOG_CPE_SD_MM`.

### 3.7.1.4 Integration in SAP IS-Oil: Quantity Conversion Source in CPE and CPF

With this feature, a new quantity conversion routine and quantity conversion source have been introduced in the *Commodity Pricing Engine*. Based on SAP IS-Oil-specific QCI default values defined in transaction *O3Defaults*, like for example 'density', the quantity conversion for actuals of contracts, orders, and the quantity conversion interface is supported for all inventory-related transactions.

Furthermore, based on the SAP IS-Oil quantity conversion interface, quantity conversion parameters are provided in the CPF for all inventory-relevant transactions. For the calculation of end results in the CPF, you can define custom-specific BRfplus formulas and also use QCI values (actuals, or default values specified in transaction *O3Defaults*). For the CPF condition type determination in contracts and orders, QCI parameter values are fetched from *O3Defaults*. For all other inventory-related transactions, actuals are taken from tickets.

#### Technical Details

Type	New
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Scope Item	Not applicable
Application Component	CA-GTF-CPE (Commodity Pricing Engine), CA-GTF-CPF (Configurable Parameters and Formulas (Basis))
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

To use this feature, you must have activated the switch `OIO_SERVICE` (Service Functions).

### 3.7.1.5 Integration in SAP IS-Oil: TSW Event Dates in CPE

With this feature, for contracts where the *Commodity Pricing Engine* is enabled, an SAP IS-Oil routine derives the CPE reference date from the TSW event date. The reference date is used to fetch market price quotations for the price determination in the CPE.

## Technical Details

Type	New
Scope Item	Not applicable
Application Component	LO-CMM
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

To use this feature, you must have activated the switch `OIO_SERVICE` (Service Functions).

### 3.7.1.6 Intercompany Contracts and Stock Transfer Orders

With this feature, for intercompany contracts and stock transfer orders (STO) between different plants and geographical locations, and thus with different market condition rules for the sending and receiving plant, the prices of the contracts and STOs are mirrored. This function allows to calculate mark-to-market values based on different market prices for each location.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-CMM
Available As Of	SAP S/4HANA 1909 FPS01

## 3.7.2 Commodity Risk Management

### 3.7.2.1 FIX Messages for Commodity Derivative and Order Execution

With this new feature you can implement individual settings for FIX messages of Commodity Derivative and Order Execution (CDOTE). With *BAdI: Filter Cancellation and Rejection Messages of Consolidation* you can filter the cancellation and rejection fix messages during the fill consolidation process, to either park the cancellation/rejection fix messages to be processed at a later point of time, or not to be processed at all. With *BAdI: Rearrange Sequence of Fills for Consolidation* you can rearrange the sequence of the fills to be consolidated.

## Technical Details

Type	New
Scope Item	Not applicable
Application Component	FIN-FSCM-TRM-CRM-TM (Financial Risk Management for Commodities - Transaction Management)
Available As Of	S/4HANA 1909 FPS01

## Additional Details

You can find both BAdIs and some more information in the Customizing under [Financial Supply Chain Management](#) > [Commodity Management](#) > [Derivative Order and Trade Execution](#) > [Commodity Derivative Order Fills](#) > [Business Add-Ins](#).

## Related Information

[Commodity Derivative Order and Trade Execution \(CDOTE\)](#)

## 3.7.3 Commodity Sales

### 3.7.3.1 Manage Price Fixation Options (Fiori App)

With this Fiori app (ID F4268) you can, for complete or partial pricing-relevant commodity quantities of logistics documents, replace the floating prices by agreed fixed prices by means of exercising price fixation options. Existing price fixation exercises can be updated or deleted with the app, too.

#### Technical Details

Type	New
Application Component	CA-GTF-CPE (Commodity Pricing Engine)
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

To use the *Manage Price Fixation Options* Fiori app you must have activated business function `LOG_CPE_SD_MM`, and assigned the business role `SAP_BR_CMMFDOF_TRADER` (Role ID R0071-17) to your user. The Customizing for price fixation options can be found in the IMG under [Sales and Distribution/Materials Management](#) [Purchasing](#) [Commodity Pricing](#) [Commodity Pricing Engine](#) [Term-Specific CPE Settings](#) [Define Rule for Definition of Price Fixation Option](#).

### 3.7.3.2 Tiered Pricing Handling

With the Tiered Pricing, contracts can include a negotiated price structure referring to market data, deviated into quantity tiers or date tiers. The call-off documents and the delivery documents consume the price-relevant information from the tiers following the FIFO logic.

Note, that you can only use either the Tiered Pricing or the Price Fixation Option function. As soon as one of both functions is used in a contract, the other one will be disabled automatically.

## Technical Details

Type	New
Application Component	CA-GTF-CPE (Commodity Pricing Engine)
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

To use this feature you must have activated the business function LOG\_CPE\_SD\_MM.

### 3.7.3.3 Tiered Pricing Workbench

With this feature you can adjust or enhance quantity tiers and date tiers of prices in call-off documents. If required, to consume the tiered prices properly, you can change call-off item quantities, or resort deliveries following the FIFO logic. Furthermore, you can cancel final invoices to make changes on preceding documents possible.

## Technical Details

Type	New
Application Component	CA-GTF-CPE (Commodity Pricing Engine)
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

To use this feature you must have activated the business function LOG\_CPE\_SD\_MM.

### 3.7.3.4 Integration in SAP IS-Oil: Quantity Conversion Source in CPE and CPF

With this feature, a new quantity conversion routine and quantity conversion source have been introduced in the *Commodity Pricing Engine*. Based on SAP IS-Oil-specific QCI default values defined in transaction

*O3Defaults*, like for example 'density', the quantity conversion for actuals of contracts, orders, and the quantity conversion interface is supported for all inventory-related transactions.

Furthermore, based on the SAP IS-Oil quantity conversion interface, quantity conversion parameters are provided in the CPF for all inventory-relevant transactions. For the calculation of end results in the CPF, you can define custom-specific BRFPplus formulas and also use QCI values (actuals, or default values specified in transaction *O3Defaults*). For the CPF condition type determination in contracts and orders, QCI parameter values are fetched from *O3Defaults*. For all other inventory-related transactions, actuals are taken from tickets.

## Technical Details

Type	New
Scope Item	Not applicable
Application Component	CA-GTF-CPE (Commodity Pricing Engine), CA-GTF-CPF (Configurable Parameters and Formulas (Basis))
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

To use this feature, you must have activated the switch `OIO_SERVICE` (Service Functions).

### 3.7.3.5 Integration in SAP IS-Oil: TSW Event Dates in CPE

With this feature, for contracts where the *Commodity Pricing Engine* is enabled, an SAP IS-Oil routine derives the CPE reference date from the TSW event date. The reference date is used to fetch market price quotations for the price determination in the CPE.

## Technical Details

Type	New
Scope Item	Not applicable
Application Component	LO-CMM
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

To use this feature, you must have activated the switch `OIO_SERVICE` (Service Functions).

## 3.8 Country/Region Specifics

For country/region-specific changes, please see [Country/Region Specifics \[page 131\]](#).

# 4 Manufacturing

## 4.1 Production Planning

### 4.1.1 OData API for Planned Orders

With this OData API (*Planned Order*, `API_PLANNED_ORDERS`), you can read, create, change, and delete planned orders as well as components belonging to planned orders. When creating planned orders, you can now provide planned order numbers if you are working with external number assignment.

#### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	BJ5 ( Make-to-Stock Production - Discrete Manufacturing), BJ8 (Make-to-Stock - Process Manufacturing Based on Process Order)
Application Component	PP-ES
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

Old Title	New Title
Planned Orders - Read, Create, Update, Delete	Planned Order

#### Related Information

[Planned Orders - Read, Create, Update, Delete](#)

## 4.1.2 Basic Data

### 4.1.2.1 New Customizing Activity for MRP Area Profiles

With this release, a new customizing activity is available to define MRP area profiles to exclude certain storage locations from planning by default. Alternatively, you can specify special procurement processes that are used as default settings for all materials in the storage location MRP area.

For more information about MRP area profiles, see Customizing for *Production* under [▶ Material Requirements Planning ▶ Master Data ▶ MRP Areas ▶ Define MRP Area Profiles](#) or see Customizing for *Materials Management* under [▶ Consumption-Based Planning ▶ Master Data ▶ MRP Areas ▶ Define MRP Area Profiles](#).

#### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BJ5 ( Make-to-Stock Production - Discrete Manufacturing)
Application Component	PP-MRP
Available As Of	SAP S/4HANA 1909 FPS01

## 4.2 Production Operations

### 4.2.1 SOAP API for Manufacturing Orders (Send)

With the SOAP API **Manufacturing Order - Send** (CO\_PPINT\_MFGORD\_EXECT\_REQ\_OUT), you can send manufacturing orders (production orders or process orders) from your SAP S/4HANA system to an external manufacturing execution system (MES) for processing. In addition to the header data of the order, you can include more data, for example the order items, activity network elements, or order components.

#### Technical Details

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



Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-ES
Available As Of	SAP S/4HANA 1909 FPS01

## Related Information

[Manufacturing Order – Send](#)

## 4.3 Country/Region Specifics

For country/region-specific changes, please see [Country/Region Specifics \[page 131\]](#).

# 5 Manufacturing for Production Engineering and Operations

## 5.1 Cross-Area Processes

### 5.1.1 Variant Configuration

Manufacturing for production engineering and operations (PEO) has been enabled to support variant configuration. Variant configuration is a feature that supports you to make highly individual customized products with predefined options.

#### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

For more information on the new features regarding variant configuration in the individual apps, see:

- [Maintain Bill of Material \[page 61\]](#)
- [Manage Shop Floor Routings \[page 62\]](#)
- [Manage Production Orders \[page 65\]](#)
- [Perform Operation Activity \[page 70\]](#)

#### Related Information

[Variant Configuration in PEO](#)

## 5.1.2 External Processing

Manufacturing for production engineering and operations (PEO) has been enabled to support external processing. This allows you to have selected operations of a shop floor order performed by an external service provider.

### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO
Available As Of	SAP S/4HANA 1909 FPS01

### Additional Details

For more information about how to use external processing in PEO, see:

- [External Processing](#)
- [How to Create Operations for External Processing](#)

### Related Information

[External Processing in PEO](#)

## 5.1.3 Enhancements for Maintaining Parameter Effectivity

This feature reduces the effort to maintain parameter effectivity for customer-specific effectivity parameters of type S (single value). You can enter a wildcard (\*) as the value of an effectivity parameter if you want all possible values to be applicable. If necessary, you can use a wildcard (\*) for more than one parameter in the effectivity type, in which case all possible combinations are valid. A wildcard (\*) is not supported for predefined parameters shipped by SAP (this is to avoid performance issues for parameters with a huge number of possible values).

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

For more information about using a wildcard (\*) when maintaining parameter effectivity for BOMs, see [How to Maintain Parameter Effectivity for Version BOMs](#).

For more information about the prerequisites for using a wildcard (\*) as the effectivity value, see [Parameter Effectivity Settings for Product Unitization](#).

## 5.2 Manufacturing Engineering and Process Planning

### 5.2.1 Enterprise Search for Change Records

This feature enables you to use the Enterprise Search functionality to find objects associated with change records directly from the search field of the SAP Fiori launchpad.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

In the SAP Fiori launchpad, click the [Search](#) icon to display the search field. In the [Search In](#) dropdown list, select [Change Records](#) and then enter your search criterion to get the associated objects.

Example

Search Criterion	Search Results
Material ID	The search results contain all the objects to which the material is associated in context of the change record. These could include the planning scope, routing objects, EBOM material, MBOM material, production order, and so on.
Planning scope	The search results show the change records to which the planning scope has been assigned.
Routing group number	The search results show the change records to which the routing group has been assigned.
Purchase order number	The search results show the change records to which the purchase order has been assigned.
Production order number	The search results show the change records to which the production order has been assigned.

## 5.2.2 Maintain Bill of Material

With this feature, you can create and manage your bills of materials (BOMs). You can now also use new functions and features that are available for maintaining BOMs.

### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

Using the new features available, you can now:

- Create a bill of material for a configurable product or material.  
For more information, see [How to Create a BOM for Configurable Materials](#).
- Use a wildcard (\*) to maintain effectivity values for customer-specific effectivity parameters of type S (single value).  
For more information, see [How to Maintain Parameter Effectivity for Version BOMs](#).

## Related Information

[Variant Configuration in PEO](#)  
[Parameter Effectivity Settings for Product Unitization](#)

## 5.2.3 Manage Shop Floor Routings

With this feature you can create and manage your shop floor routings. You can now also use multiple new and changed functions and 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
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

Using the new features available in the shop floor routing, you can now:

- Create shop floor routings for configurable materials.  
For more information, see [Model the Production Process for Configurable Materials](#).
- Enable flexible processing for non-unitized products (as well as unitized products).  
For more information, see [Flexible Processing](#).

- Enable external processing for operations.  
For more information, see [How to Create Operations for External Processing](#).
- Use a wildcard (\*) for customer-specific effectivity parameters of type S (single value) when modeling the production process with unitized parameter effectivity.  
For more information, see [Model the Production Process with Unitized Parameter Effectivity](#).
- Upgrade all reference templates in the routing structure that are no longer up to date.  
For more information, see [Working with Referenceable Templates](#) and Step 8 of [How to Change/Upgrade Reference Templates](#).
- Navigate to the referenceable template from the routing structure in the structure workspace.  
For more information, see [Working with Referenceable Templates](#).
- Use a where-used report to see a list of all routing versions in which a particular referenceable template has been used. The report now also shows whether the referenceable template in the routings is up to date. If not you can upgrade all routings simultaneously.  
For more information, see [How to Change/Upgrade Reference Templates](#).
- Identify components that belong to a phantom structure in the component assignment workspace and display the phantom hierarchy.
- Only see the list of latest shop floor routing versions in the entry screen instead of all versions. When you access a version, you can navigate to the other versions of the same shop floor routing from within the app.  
For more information, see the section on the entry screen workspace in [Navigation in Shop Floor Routings](#).
- Assign reference master inspection characteristics for which statistical process control (SPC) is enabled to operation activities.  
For more information, see Step 8 of [How to Assign Inspection Characteristics to Operation Activities](#).

The following features have changed:

- You can define predecessor relationships between operation activities in different operations if you have enabled flexible processing. This feature replaces the dependencies option in previous releases.  
For more information, see [How to Define Relationships \(Flexible Processing\)](#).
- You can define predecessor relationships between the operation activities of a simultaneous group or any-order group. (This replaces the *Linked to previous group element* feature in earlier releases.)  
For more information, see Step 4 of [How to Create Groups](#).

In the comparison mode, you can now:

- Use the improved dialog box for accessing the comparison mode.  
For more information, see [Accessing the Comparison Mode](#) and [Comparison Options with Parameter Effectivity](#).
- Create, edit, and maintain work instructions with inspection characteristics and PRTs.  
For more information, see [How to Compare Work Instructions](#).
- Change the effectivity unit being compared in the comparison mode.  
For more information, see scenario 1 in [Comparison Options with Parameter Effectivity](#).
- Perform the consistency check and release the routing.  
For more information, see [Comparing Routings](#).

## Related Information

[Variant Configuration in PEO](#)  
[External Processing in PEO](#)

## 5.2.4 Manage Order-Specific Shop Floor Routings

With this feature, you can manage order-specific shop floor routings. You can now also use several new features that are available for maintaining order-specific routings.

### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Note applicable
Application Component	PP-PEO-SFR
Available As Of	SAP S/4HANA 1909 FPS01

### Additional Details

Using the new features available in the order-specific shop floor routing, you can now:

- Determine the source master shop floor routing version that was used to create the current order-specific routing.  
For more information, see the Details Workspace section of [Navigation in Order-Specific Shop Floor Routings](#).
- See objects in the order-specific routing that were updated in the production order after order release:
  - Rework operations that have been inserted into the production order are now visible in the order-specific routing. These operations are always set to not editable.
  - Documents that have been updated in the production order are also visible in the order-specific routing.
- In the *Order-Specific Components* workspace, a new column is available showing whether a component has been deleted or changed.
- Externally processed operations are also visible in the order-specific routing and are editable until the purchase requisition has been converted into a purchase order.

## 5.2.5 Manage Standard Texts

With this feature, you can create a third usage type of standard text. Up until now, you had the option of creating a standard text of the usage type *Reference* and *Copy Only*. Now, you can also use the type *Reference and Copy*. This standard text can function as a reference type or copy only type. In the shop floor routing, you add this text to the work instructions as a reference type standard text which cannot be changed. If you then want to change it, you double-click it to convert it to a copy only usage type and make any necessary changes.



## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-STX
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

For the usage types *Reference* and *Reference and Copy*, you must now also determine the reference type: always latest released version, version as on order release, or version as in routing. The option you select in this field determines the standard text version displayed in the work instructions in the Perform Work app.

For more information, see Step 3 of [How to Create Standard Texts](#).

## 5.3 Extended Production Operations

### 5.3.1 Production Control

#### 5.3.1.1 Manage Production Orders

This feature enables you to monitor the progress of production. You can now also use new functions and features that provide you with more information about your production orders.

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFE

## Additional Details

Using the new features available, you can:

- Display the variant configuration data selected in the sales order for a configurable material. This means you can check which options of a configurable product are to be produced.
- Display the *Control Key* for operations in the order schedule.

### 5.3.1.2 Manage Production Operations

This app enables you to monitor the progress of production. It has now been updated with a range of enhancements, which are described below.

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFE
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

The following enhancements have been made:

- You can now display the *Control Key* column in the table of operations.
- If you drill down into the details for an operation, you can see whether operation activities have been assigned qualifications.
- If you drill down into the details for an operation activity, you can see a *Qualifications* view showing what qualifications are assigned to the operation activity, what proficiency is required, and the origin type (that is, whether the qualification was assigned to the work center, the material, or directly to the operation activity, for example).

## 5.3.2 Production Execution

### 5.3.2.1 Assign Work

This feature enables you to assign work to production operators. The view showing the qualifications assigned to the production operator has been enhanced.

#### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFE
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

The following changes have been made:

- The *Active Qualifications* view has been renamed as *Assigned Qualifications*.
- The *Skill Level* column has been renamed as *Proficiency* and shows the proficiency level (such as *Good*, *Expert*, and so on) of the operator.

### 5.3.2.2 My Work Queue

This app enables you to display all operation activities and those operation activities currently assigned to you by your production supervisor. You can now also use new functions and features to display the operation activities you need.

#### Technical Details

Type	Changed
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Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFE
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

Using the new features available, you can:

- Display a list of those operation activities for which your user is currently labored on (shown on the [Labored on By Me](#) tab).
- Select all available status categories in the filter settings to display all operation activities in all statuses.

### → Tip

You can now save a personalized view, for example, after filtering or grouping the operation activities in the list according to your needs. You can then save this variant as a tile and navigate to this personalized view directly from the SAP Fiori launchpad.

- Display a column showing the quantity that is available for execution at an operation activity.

### i Note

For operation activities of the type [Setup](#) and [Teardown](#), the available quantity is always 0 because they are processed with respect to the whole operation.

## 5.3.2.3 Reprocess Failed Material Movements

This feature has been enhanced with options that allow you to perform a mass update of the storage location, batch, or posting date values for one or more selected materials. For example, if material movements failed due to an incorrect posting date or a missing batch number or storage location, you can now use this feature to replace the respective value for these fields (or insert a missing value) and then process the material movement again, without having to navigate to a different app.

## Technical Details

Type	Changed
Functional Localization	Not applicable

Scope Item	Not applicable
Application Component	PP-SFC
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

Using the new features, you can:

- Replace the storage location value for one or more selected materials.
- Replace the batch number for one or more selected materials.
- Replace the posting date for one or more selected materials.

### i Note

You can only enter a single value when replacing the storage location, batch, or posting date. This means that the new value replaces the existing value for all selected materials.

## 5.3.2.4 Perform Operation

This app enables you to perform operations on the shop floor. It has now been updated with a range of enhancements, which are described below.

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFE
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

The following enhancements have been made:

- The *Execute* button is now disabled for operation activities that cannot be executed yet (in other words, for those operation activities that have predecessor operation activities).
- The *Qualifications* view has been added to the *Operation Activity Details* screen, where you can now see what qualifications are assigned to the operation activity, what proficiency is required, and the origin (that is, whether the qualification was assigned to the work center, the material, or directly to the operation activity, for example).
- The *Assignments* column now contains an icon to indicate whether qualifications have been assigned to the operation activity.
- The *Ready Quantity* column in the *Operation Activities* table has been renamed to *Available Quantity*.
- The *Change Alert* column is now available in the *Operation Activities* table. If a production engineer has made significant changes to the shop floor routing and entered a change alert count, an alert will be shown here. As a result, production operators have to acknowledge that they have received and read the changes.
- The *Navigate to...* button has been updated to include *Show my work queue*, which takes you to the *My Work Queue* app.

### 5.3.2.5 Perform Operation Activity

This app enables you to perform operation activities. You can now also use new functions and features that are available for production execution.

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFE
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

Using the new features available, you can:

- Navigate to the *My Work Queue* app by choosing ► *Navigate to...* ► *Show my work queue* ►.

- Display the variant configuration selected in the sales order if the material is configurable.
- Identify from icons shown in the header whether the operation activity is set for retroactive processing or whether buyoffs exist for the operation activity.
- Display a control chart for those inspection characteristic that reference a master inspection characteristic for which statistical process control (SPC) is enabled. For such inspection characteristics, the control chart can help you to evaluate the inspection result. For more information, see [Statistical Process Control \(SPC\)](#).

## Related Information

[Variant Configuration in PEO](#)  
[How to Assign Inspection Characteristics to Operation Activities](#)

### 5.3.2.6 Enhancements for Rework

With this new feature, you can now record a defect also for non-serialized production orders. To support this, it is also possible to create rework routings for non-serialized materials. When recording a defect, the production operator is prompted to enter the defective quantity. This defect is then processed by the quality engineer, who creates a quality task for the rework, and when setting the parameters for the follow-up action, sees only those rework routings created for non-serialized materials. Once the rework operation has been inserted into the production order, the defective quantity appears as the available quantity for the rework operation.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFE
Available As Of	SAP S/4HANA 1909 FPS01

## Related Information

[Unplanned Rework](#)

## 5.3.2.7 Flexible Processing

You can now enable flexible processing for production of non-serialized products. Certain subassemblies (such as bolts or turbine housing) can often be produced more efficiently without any quantity tracking during the production process. By enabling flexible processing in the shop floor routing for non-serialized products, you can eliminate cross-operation quantity and status checks during production execution.

### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PP-PEO-SFE
Available As Of	SAP S/4HANA 1909 FPS01

### Related Information

[Flexible Processing](#)  
[How to Create New Routings](#)



# 6 R&D/Engineering

## 6.1 Enterprise Portfolio and Project Management

### 6.1.1 SAP Portfolio and Project Management

#### 6.1.1.1 SAP Note Numbers in Override Default Global Settings Customizing

The Customizing documentation for *Override Default Global Settings* available in *SAP Portfolio and Project Management* either under ► *Portfolio Management* ► *Global Customizing* ► *Global Settings* ► or ► *Project Management* ► *Basic Settings* ► now contains the SAP Note numbers related to switches introduced until 2018.

#### i Note

There are some instances where the SAP Note number is not provided for various reasons.

### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PPM-PEM (Portfolio Management) PPM-PRO (Project Management)
Available As Of	SAP S/4HANA 1909 SAP S/4HANA 1809 SPS03 SAP S/4HANA 1709 SPS05

## 6.1.1.2 Portfolio Management

### 6.1.1.2.1 Mass Change and Deletion of Classification Bucket Associations

This feature enables you to modify or delete the classification hierarchy assignments of a single or multiple objects from the *Items* or *Initiatives* dashboards.

#### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PPM-PPM (Portfolio Management)
Available As Of	SAP S/4HANA 1909 FPS01 SAP S/4HANA 1809 SPS03 SAP S/4HANA 1709 SPS05

#### Effects on Customizing

To activate this feature, make the following setting in Customizing for *SAP Portfolio and Project Management* under ► *Portfolio Management* ► *Global Customizing* ► *Global Settings* ► *Override Default Global Settings* ⌵:

Area	Setting Name	Description	Setting Value
0006	0061	Activate Mass Change and Deletion of Classification Buckets' Association	X

#### More Information

For more information, see:

- SAP Note [2769886](#)
- [Dashboard in Portfolio Management](#)
- [Dashboard Features](#)

- [Classification for Items and Initiatives](#)

## 6.1.1.3 Project Management

### 6.1.1.3.1 Project Status Reports Without Interactive Forms

With this feature, you can generate project status reports without using Interactive Forms. This option replaces the former option to use Interactive Forms for creating project status reports as the default option. After you have entered your data via the Web Dynpro user interface, you generate the project status report as a non-editable PDF document.

#### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PEM-PRO (Project Management)
Available As Of	SAP S/4HANA 1909 FPS01 SAP S/4HANA 1809 SPS04 SAP S/4HANA 1709 SPS06

#### Effects on Customizing

To deactivate this feature, make the following setting in Customizing for *SAP Portfolio and Project Management* under **► Project Management ► Basic Settings ► Override Default Global Settings ►**:

Area	Setting Name	Description	Setting Value
0006	0064	Project Status Report Without Interactive Forms ('X'=Activated, ''=Deactivated)	''

## Related Information

[Project Status Reports](#)

### 6.1.1.3.2 Approval Documents Without Interactive Forms

With this feature, you can generate approval documents for phases without using Interactive Forms. This option replaces the former option to use Interactive Forms for creating approval documents as the default option. After you have entered your data via the Web Dynpro user interface, you generate the approval document as a non-editable PDF document.

#### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PEM-PRO (Project Management)
Available As Of	SAP S/4HANA 1909 FPS01 SAP S/4HANA 1809 SPS04 SAP S/4HANA 1709 SPS06

#### Effects on Customizing

To deactivate this feature, make the following setting in Customizing for *SAP Portfolio and Project Management* under **Project Management** > **Basic Settings** > **Override Default Global Settings** :

Area	Setting Name	Description	Setting Value
0006	0065	Approval Documents Without Interactive Forms ('X'=Activated, ''=Deactivated)	''

## Related Information

[Approving a Phase](#)

### 6.1.1.3.3 Gantt Chart based on SAPUI5 Technology

With this feature, the alternative Gantt chart based on SAPUI5 technology replaces the Gantt chart based on Java Plug-In technology as the standard Gantt chart in Project Management applications. In addition, the Gantt chart based on SAPUI5 technology provides an option to print a Gantt chart visualization by generating a file in PDF format.

#### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PPM-PRO (Project Management)
Available As Of	SAP S/4HANA 1909 FPS01 SAP S/4HANA 1809 SPS04 (only new print function) SAP S/4HANA 1709 SPS06 (only new print function)

#### Additional Details

For more information, in particular on the differences between the Gantt chart based on SAPUI5 technology and the Gantt chart based on Java Plug-In technology (including changed or not supported functions), see [Graphical View](#) and SAP Note [2645827](#).

#### Effects on Customizing

To deactivate this feature, make the following setting in Customizing for [SAP Portfolio and Project Management](#) under [Project Management](#) > [Basic Settings](#) > [Override Default Global Settings](#):

Area	Setting Name	Description	Setting Value
0006	0060	Activate Alternative Gantt Chart ('X'=Activated, ''=De-activated)	''

### 6.1.1.3.4 File Description in Table View of Documents Tab

With this feature, a *File Description* field has been added to the table view of the *Documents* tab for project elements.

#### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PPM-PRO-DOC (Documents)
Available As Of	SAP S/4HANA 1909 SAP S/4HANA 1809 SPS03 SAP S/4HANA 1709 SPS05

#### More Information

For more information, see SAP Note [2775617](#).

### 6.1.1.3.5 Increased Area in Description Field in Detail View


With this feature, you can set the size of the *Description* field on the *Basic Data* tab of project elements. In the *User Settings*, you can define the number of lines in the description field as well as the number of characters in a line. This change can also be implemented for all users or a list of selected users using the mass change report DPR\_CHANGE\_USER\_SETTINGS.

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	PPM-PRO-STR (Structure)
Available As Of	SAP S/4HANA 1909 SAP S/4HANA 1809 SPS03 SAP S/4HANA 1709 SPS05

## More Information

For more information, see:

- [Making User Settings](#)
- SAP Note [2767281](#) .

# 7 Sales

## 7.1 Order and Contract Management

### 7.1.1 Sales Order Management and Processing

#### 7.1.1.1 New Program UI for Display of Changes Made in Sales Documents

The user interface for program `RVSCD100` (*Display Document Changes*) has been reworked for usability reasons. Additionally, the SAP List Viewer (ALV) has been introduced for the list display of change documents.

#### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	BD9 (Sell from Stock), 1EZ (Credit Memo Processing), 1F1 (Debit Memo Processing), BDG (Sales Quotation), BDA (Free of Charge Delivery), 1IQ (Sales Inquiry), I9I (Sales Contract Management) and others
Application Component	SD-SLS-GF ( <i>Basic Functions</i> )
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

The user interface for program `RVSCD100` (*Display Document Changes*) has been reworked for usability reasons. You can now define your own user-specific variants according to your preferences for column selections, filters, and sorting. You can then access these variants later or set them as default layout on the selection screen.

The list of change documents is now being displayed in the SAP List Viewer (ALV). With the SAP List Viewer (ALV), you can personalize and optimize the search results list according to your business needs, such as various list formatting options, filter settings, sort settings, display options, calculations, and the export of data.



You can use user parameter `SD_SLS_CHDOC_CLASSIC` to return to the classic program UI for the display of change documents in Sales.

You can maintain user parameters on the *Parameters* tab under **System > User Profile > Own Data** or using transactions `SU01`, `SU2`, or `SU3`.

## Related Information

[Displaying Changes Made in a Sales Document](#)

## 7.1.2 Sales Monitoring and Analytics

### 7.1.2.1 Replacement of Sales Order Fulfillment App

The *Sales Order Fulfillment* app has been replaced by the *Sales Order Fulfillment - Analyze and Resolve Issues* app.

## Technical Details

Type	Deleted
Functional Localization	Not applicable
Scope Item	BKK (Sales Order Fulfillment Monitoring)
Application Component	SD
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

The *Sales Order Fulfillment* app and the following tiles in the business catalog *Sales - Sales Order Processing* will be replaced:

- Sales Order Fulfillment - Resolve Issues
- Sales Order Fulfillment - Issues in Next 7 Days
- Sales Order Fulfillment - Resolve Incomplete Data
- Sales Order Fulfillment - Resolve Delivery Block
- Sales Order Fulfillment - Resolve Billing Block

- Sales Order Fulfillment - Resolve Credit Block

## Effects on Existing Data

The *Sales Order Fulfillment* app and its corresponding tiles referred to above will be replaced by the *Sales Order Fulfillment - Analyze and Resolve Issues* app. The *Sales Order Fulfillment* app will no longer be supported and will be removed from the system as of SAP S/4HANA 2009. As of this time, the app and all its corresponding tiles will no longer be available by default on the SAP Fiori launchpad. If you need this app as of this time, you can find it in the App Finder until it is removed. We recommend that you switch to the new successor app *Sales Order Fulfillment - Analyze and Resolve Issues* before SAP S/4HANA 2009. The *Sales Order Fulfillment - Analyze and Resolve Issues* app is available for the internal sales representative in the business catalog *Sales - Sales Order Monitoring*.

### i Note

The *Sales Order Fulfillment - Analyze Issues* app for the sales manager in the business catalog *Sales - Sales Order Fulfillment Analyze Issues* will also be replaced.

## Related Information

[Sales Order Fulfillment - Analyze and Resolve Issues](#)

## 7.1.3 Simplified Blocking and Deletion for SAP Revenue Accounting and Reporting, Integration for Sales and Distribution

With this feature, you can determine whether customer data in the *Sales and Distribution* (SD) component in the LoB *Sales* is still relevant for business activities in *SAP Revenue Accounting and Reporting, integration for sales and distribution* or can be blocked.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1J7 (Data Protection and Privacy)

Application Component	SD-BIL-RA (SD Integration Revenue Accounting & Reporting) FI-RA (Revenue Accounting)
Available As Of	SAP S/4HANA OP 1909 FPS01

## Additional Details

Simplified deletion and blocking for *SAP Revenue Accounting and Reporting, integration for sales and distribution* includes the following activities:

- End of Purpose (EoP) check for data referring to a customer or a business partner in *SAP Revenue Accounting and Reporting* triggered in *Sales and Distribution* as the sender component system
- Blocking and unblocking of data referring to a customer or a business partner in *SAP Revenue Accounting and Reporting* triggered in *Sales and Distribution* as the sender component system
- Handling of blocked data in *SAP Revenue Accounting and Reporting*

## Related Information

[Business Partner End of Purpose \(EoP\) Check for SAP Revenue Accounting and Reporting, Integration for Sales and Distribution](#)

## 7.1.4 Product Assistance for Sales Inquiries Relocated

The Product Assistance for sales inquiries that was previously located under *Sales Order Management and Processing* has now been moved to *Sales Quotation Management*. This change was made to enhance organizational efficiency.

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SD-SLS-QUIT (Sales Inquiries / Quotations)

**i Note**

The way certain features and functions work in your SAP S/4HANA Cloud system can depend on the country and scope item activation for your company as well as the country/region availability of the scope items. You can check the scope item availability in the availability matrix under [https://support.sap.com/content/dam/SAAP/Sol\\_Pack/Library/General/Availability\\_Dependencies\\_EN\\_XX.xlsx](https://support.sap.com/content/dam/SAAP/Sol_Pack/Library/General/Availability_Dependencies_EN_XX.xlsx). As the country/region availability can change with the next upgrade, please check the availability matrix for scope items of your interest after the next upgrade.

## 7.2 Country/Region Specifics

For country/region-specific changes, please see [Country/Region Specifics \[page 131\]](#).

# 8 Service

In this section, you find information about new and changed features that enable you to enhance and simplify your service processes.

## 8.1 SAP S/4HANA Service

The features and functions contained in SAP S/4HANA for customer management 2.0 FPS01 have been included in SAP S/4HANA Service and SAP S/4HANA Sales (sales force support, such as leads and opportunities). Additional features have been added as outlined in the What's New information.

For an overview of the available features, see the corresponding sections in the Feature Scope Description for SAP S/4HANA.

### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Available As Of	SAP S/4HANA 1909

### Effects on Existing Data

The development for the service solution is now continued directly in SAP S/4HANA Service, and it is no longer necessary to install a separate add-on. For more information, see the release information [SAP Note 2841019](#)



## 8.2 Service Master Data and Agreement Management

### 8.2.1 Service Contract Management

### 8.2.2 Enhancements to Service Contracts

You can now create a change quotation (that is, an intermediate transaction) when you renew a service contract item through change processes. You can also configure variants for service contract items (SCN) if they are configurable products in the product master. In addition, you can recognize the revenue that results from service contracts according to the rules framework of the International Accounting Standards Board (IASB) and Financial Accounting Standards Board (FASB).

#### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	426 Service Contract Management
Application Component	CRM-S4-SRV-CTR (Service Contract)
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

Please find more information about the enhancements to service contracts below:

- You can use change quotations as intermediate transactions in the change process [Contract Renewal - One Item Only](#) (BLEX). A change quotation allows your customers to accept the changes to the quotation and then transfer them back to the service contract. In the standard system, solution quotation (SRVP) is defined as the change quotation for service contracts. For more information, see [Contract Renewal - One Item Only](#).
- You can now configure variants for service contract items (SCN) that are configurable products in the product master. In the standard system, the condition type VASE and account key ERL for configurable products are defined in the pricing procedure for service contract (A17020).
- For more information about revenue accounting integration for service contracts, see [Revenue Accounting Integration](#) [page 18].

## Effects on System Administration

To be able to navigate from the WebClient UI to the SAP Fiori launchpad for variant configuration, the following roles must be assigned to your user: `SAP_BR_ANALYTICS_SPECIALIST`, `SAP_BR_INTERNAL_SALES_REP`, and `SAP_BR_PRODMASTER_SPECIALIST`.

## Effects on Customizing

- For change quotations, you can use the following two additional process types:
  - `S4CB` (change quotation is optional)
  - `ISTA` (change quotation is mandatory)

To set the process type, under Customizing for *Service* go to ► [Transactions](#) ► [Settings for Contracts](#) ► [Change Processes](#) ► [Configure Change Processes](#) ►.

You can also define a transaction other than solution quotation (`SRVP`) for change process by performing the Customizing activity [Define Transaction Types in Process](#), which is also located under the path mentioned above.

- The [Product is Configurable](#) indicator is available for service product (product type `SERV`). For more information, see [Products](#).

## Related Information

[Enhancements to Solution Quotations \[page 87\]](#)

## 8.2.3 Solution Quotations

## 8.2.4 Enhancements to Solution Quotations

You can now extend the API for solution quotations. You can also use solution quotations as intermediate transactions for the change process of service contracts (item renewal). Additionally, you can configure variants for service contract items in solution quotations if those items are configurable products in the product master.

## Technical Details

Type	Changed
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Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOL-SQ (Solution Quotation)
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

Please find more information about the enhancements to solution quotations below:

- OData API [Solution Quotations - Create, Read, Update, Delete](#) (API\_BUS\_SOLUTION\_QUOTATION\_SRV)  
This OData service is now extensible. For more information, see [Extensibility: Solution Quotation - Create, Read, Update, Delete](#).
- You can use solution quotations as change quotations (that is, as intermediate transactions) in the change processes of service contracts (item renewal). It allows you to accept changes and then transfer them back to the service contract after the quotation is released and accepted. For more information, see [Contract Renewal - One Item Only](#).
- When you configure variants for service contract items (which are configurable products in the product master) in solution quotations, the variant price (VASE) that is defined in the pricing procedure of the solution quotation (A17019) is applicable for these service contract items.

## Effects on Customizing

You can define the change quotation in Customizing. For more information, see [Enhancements to Service Contracts \[page 86\]](#).

## Related Information

[Solution Quotations](#)

## 8.2.5 Revenue Accounting Integration

### 8.2.5.1 Revenue Accounting Integration

This feature enables you to integrate SAP S/4HANA Service (Service) with Revenue Accounting and Reporting (Revenue Accounting). This integration supports you in recognizing revenue that results from service contracts



according to the rules framework of the International Accounting Standards Board (IASB) and Financial Accounting Standards Board (FASB).

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SRV-CTR FI-RA
Available As Of	SAP S/4HANA 1909 FPS01

## Effects on System Administration

When setting up the integration with Revenue Accounting and Reporting, you also need to activate and configure the Sales (Sales and Distribution) integration as a prerequisite.

## Effects on Customizing

To enable the integration with Revenue Accounting and Reporting, you must perform the following Customizing activities in Customizing for [Service](#):

- [Revenue Accounting Integration: Overview](#)
- [Define Relevance Type for Revenue Accounting](#)  
Alternatively, define the relevance type using the [BAId: Determine Relevance Type and Reference for Revenue Accounting](#)

## Related Information

[Revenue Accounting Integration  
Integration with SAP S/4HANA Service](#)

## 8.2.6 Business Solution Portfolios

### 8.2.6.1 Manage Business Solution Portfolios

This feature makes it possible to do the following in the *Manage Business Solution Portfolios* app:

- Add service order items and sales order items to business solution portfolios.
- In the edit mode for the business solution portfolio, you can maintain the following:
  - Enter a note for the business solution portfolio.
  - Change the leading currency for the business solution.  
The system also displays the new net value calculated as the converted net value for the contract and order items.
- The total net value for the business solution portfolio is displayed by transaction type.  
The bar chart shows the share of the individual items for the total net value.
- The *Overview* section displays all service contract items, service order items, sales order items, and subscription contract items that have been added to the business solution portfolio.
- You can navigate to the products and to the header data for the order items and contract items.
- You can display the business partner data for the sold-to party using the quick view.
- When adding items to a business solution portfolio, you can hide those items that have already been assigned to the sold-to party and to another business solution portfolio for the sold-to party.

### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOL-BSP
Available As Of	SAP S/4HANA 1909 FPS01

### Effects on System Administration

To update business solution portfolios automatically, you need to enable SAP Business Workflow events under *Display/Maint. Event Type Linkages* (transaction **SWE2**) by activating the type linkage. The following scenarios are provided here:

- Remove items automatically
- Update renewed service contract items automatically

## Related Information

[Business Solution Portfolios](#)

## 8.3 Subscription Order Management

### 8.3.1 Subscription Product

This feature enables you to maintain subscription products. A subscription product is a type of product that represents a subscription to services such as usage-based charges, recurring, and one-time charges.

#### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

- You can use a new Product Type for Sharing Products
- You can now view the following in the SAP Fiori app [Manage Subscription Product-Specific Data](#):
- You can navigate to Manage Subscription Fiori instead of product Fiori from subscription documents.

## Related Information

[Sharing Contract](#)

## 8.3.2 Master Agreement

This feature enables you to manage terms of a service between a provider and a business partner. These terms can be referred to via solution quotations and subscription orders. Master agreements help to establish long term relationships with business partners, using requirement-specific products and pricing.

- **Integration with Customer Hierarchy**  
In B2B scenarios an authorized partner in a master agreement can either be represented by a single business partner or by a hierarchical structure which represents a set of business partners
- **Price Agreements**  
You can maintain master agreement specific prices directly from the master agreement. Only condition type PSMB and PSPB are supported currently
- **Sharing**  
It is possible to create sharing contracts from master agreements. Additionally you can assign existing sharing contracts to master agreements  
You can use products for which shared allowances are defined. The sharing group is predefined in the master agreement
- **Mass Run**  
You can trigger a mass run during requesting a call-off from a master agreement

### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM
Available As Of	SAP S/4HANA 1909 FPS01

### Effects on Customizing

For more information about customer hierarchies, refer to Customizing structure under [Sales and Distribution](#) > [Master Data](#) > [Business Partners](#) > [Customers](#) > [Customer Hierarchy](#) > [BAdI: Check Customer Hierarchy References](#) and [Generate Alternate Key for Customer Hierarchy](#).

### Related Information

[Customer Hierarchies in Master Agreement](#)

## 8.3.3 Sharing

Sharing allows you to share counters or allowances during a rating process in CC, within a contract or across multiple contracts.

### Technical Details

Type	New
Functional Localization	Not Applicable
Scope Item	Not Applicable
Application Component	CRM-S4-SOM
Available As Of	SAP S/4HANA 1909 FPS01

### Additional Details

- **Sharing Contracts:** You can define sharing contracts with assigned charge plans containing shared objects (counters, allowances). In addition you create dependent (shared) contracts with reference to this sharing contract. These dependent contracts can then reuse the shared objects from the sharing contract. Sharing contracts and shared contracts do not need to share the contract partner, independent partners can be assigned to the contracts.
- **Shared Allowance:** You can define charge plans using shared allowances. Contracts using shared allowances are much more loosely coupled than sharing contracts that have tight coupling of root and dependent contract.

## 8.3.4 Product Configuration

If your product is marked as configurable in the material master data, you can model your product configuration using Advanced Variant Configuration. Additionally, you can now pass variant configuration data via the SOAP APIs for subscription order creation and subscription contract change.

- Subscription order SOAP API is enabled to save configuration attributes and characteristics data directly without running through a configuration process
- Update set of configuration attributes and characteristics to change process API for configuration change in subscription contract
- Update variant price information using order create and contract change SOAP APIs

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM
Available As Of	SAP S/4HANA 1909 FPS01

### 8.3.5 Subscription Order

This feature enables you to create and process subscription orders. In a subscription order, you can capture combinations of different types of products from subscriptions to services (usage-based charges, recurring, and one-time charges) to physical goods. These combinations of products can be modeled as product bundles in your master data.

- You can change your billing cycle in a subscription item
- Contract Account is defaulted in subscription order and solution quotation if only one CA exists
- Payment cards  
Integration with SAP Digital Payments Add on  
You can register or assign multiple cards on subscription order header level  
You can assign any card registered on the payer to a subscription item
- API
  - You can maintain variant configuration data via the SOAP APIs for subscription order creation and subscription contract change.
  - Master agreement fields can be maintained via SOAP APIs
  - Sharing data can be maintained via SOAP APIs
  - You can maintain partner settlement rule to create partner agreement orders via SOAP APIs

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM
Available As Of	SAP S/4HANA 1909 FPS01

## 8.3.6 Subscription Contract Changes

The subscription contract change functionality enables you to trigger contract changes on subscription contracts. A subscription contract as a follow up object of the subscription order, is the long-term agreement with a customer about the provisioning and billing of subscription-based services that a customer and a provider have agreed upon.

- **Lock / Unlock**  
You can trigger a lock process and also the respective unlock process from a subscription contract for a specific period.  
You can request for a lock / unlock fee (condition type PSLC)  
You can integrate your financial lock processing in FI-CA by implementing events using predefined APIs to execute a lock / unlock process
- Correct errors on non-active contracts with completed predecessor documents
- Direct contract changes on inactive contracts
- Reject all subscription items in one subscription contract document

### Technical Details

Type	Changed
Functional Localization	Not Applicable
Scope Item	Not Applicable
Application Component	CRM-S4-SOM
Available As Of	SAP S/4HANA 1909 FPS01

## 8.3.7 Mass Runs

In addition to creating subscription orders in bulk, Mass Runs allow the mass change of subscription contracts. The framework offers mass run definition UI's that define attributes and parameters for different types of mass runs (create with / without master agreement, change). It ensures high-performance execution through parallelization concepts, process tracking and result monitoring during a mass run execution.

- Create subscription orders with reference to a master agreement
- Create subscription orders for a specific product and individual sold to parties and technical Ids
- Run a mass change for change of cross catalog mapping version
- Run a mass cancellation of contracts

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-SOM
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

- Plan and maintain your mass run via mass run definition UI to define parameters and attributes of a mass run or create your mass run via API
- Use delivered sample mass runs to set up your custom specific mass runs
- Execute mass run processes in parallel to work processes to ensure high performance
- Monitor mass run execution and result
- Track mass run processing progress during mass run execution
- Trigger mass run execution either online or by planning appropriate jobs
- Trigger failed mass run elements

## Effects on Customizing

For more information about mass runs, refer to Customizing structure under [Service](#) > [Transactions](#) > [Settings for Subscription Transactions](#) > [Mass Runs](#).

## Related Information

[Mass Runs](#)

### 8.3.8 Subscription Contract Early Distribution

For a subscription contract with a future activation date, the distribution of the contract is typically executed only on the activation date. In certain cases, it may be required that the contract be distributed at the time of creation or change itself, such as when Revenue Accounting and Reporting is involved.



- You can distribute contracts or contract changes even before contract activation date already to FICA. Revenue Accounting (RAR) can now be updated.
- You can re-trigger full contract distribution automatically when activation date is reached, FI-CA provider contract will be set active, only now CC contract will be created or updated.
- Reject subscription order before contract activation
  - You can reject a subscription order as long as the respective subscription contract item is not technically active. If the FI-CA provider contract has already been created in case early distribution was used it will be deleted, subscription order and contract are set to rejected.
  - You can reject a subscription change order as long as the respective subscription contract item is not technically active. If the FI-CA provider contract has already been updated with a new item due to early change distribution, it will be reversed and the end date of the old item will be updated.

## Technical Details

Type	Change
Functional Localization	Not Applicable
Scope Item	Not Applicable
Application Component	CRM-S4-SOM
Available As Of	SAP S/4HANA 1909 FPS01

## 8.4 Integration with SAP Field Service Management

With this feature, the system automatically optimizes field service processes when a service call is received in SAP Field Service Management. The integration ensures a seamless, fast, and flexible delivery of field services, and therefore helps you to provide more efficient customer services.

### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	3D2 (Service Order Management and Monitoring)
Application Component	CRM-S4-SRV

## Additional Details

The following new functions are available:

- You can use the DRF Configurator to define a replication model that can specify to which companies service orders are replicated from the SAP Field Service Management to S/4HANA. During the service order replication, you can define filters for replicating service orders based on the criteria such as sold-to party, ship-to party, bill-to party, transaction type, sales organization, distribution channel, division, sales office, and sales group.
- You can use the functionality of unplanned expense and unplanned service parts. With this function, you are not required to create expense and service parts in service orders in S/4HANA in advance while you can add expense and service parts in service orders in SAP Field Service Management based on the actual situation.

## Related Information

[Integration with SAP Field Service Management](#)

## 8.5 Cross Topics

### 8.5.1 UI Header

With this feature you can access the user actions menu from the user icon, which is now located on the right side of the header. You can toggle the side panel with menu icon on the left side of the header.

## Technical Details

Type	Change
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-WUI-APF (Application Frame)

## Related Information

[What Does the User Interface Look Like?](#)

## 8.5.2 Header Facets

With this feature you can configure the header with facets in the overview pages. In addition to the *Key Value* facet, you can now also use the *Form*, *Image*, and *Progress Indicator* facets.

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-WUI-CON (UI Configuration & Design Layer)
Available As Of	SAP S/4HANA 1909 FPS01

## Related Information

[Overview Pages with Fiori Layout](#)

## 8.5.3 Creation of Responsive Layouts in Configuration Tool

With this feature you can create responsive layouts to configure form views.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-WUI-CON (UI Configuration & Design Layer)
Available As Of	SAP S/4HANA 1909 FPS01

## Related Information

[Responsive Layout](#)

# 9 Sourcing and Procurement

## 9.1 Integration

### 9.1.1 Procure to Pay with SAP Ariba Buying and Invoicing (Deprecated)

The scope item Procure-to-Pay with SAP Ariba Buying and Invoicing (1ZM) is deprecated and will not be enhanced in upcoming releases. Please use Guided Buying Capability with SAP Ariba Buying instead for your business process. For information about this scope item, see [Guided Buying Capability with SAP Ariba Buying](#).

#### Technical Details

Type	Deprecated
Functional Localization	Not applicable
Scope Item	Procure-to-Pay with SAP Ariba Buying and Invoicing (1ZM)
Application Component	BNS-INT-ARI (Ariba Integration with S/4HANA)
Available As Of	SAP S/4HANA 1909 FPS01

#### Related Information

[Guided Buying Capability with SAP Ariba Buying](#)

## 9.2 Operational Procurement

### 9.2.1 Requirements Processing

#### 9.2.1.1 Confirm Receipt of Goods

The app [Confirm Receipt of Goods](#) is planned to be deprecated as of SAP S/4HANA 2020.

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1XI (Central Requisitioning), 18J(Requisitioning)
Application Component	MM-PUR-HUB-CNF
Available As Of	SAP S/4HANA 1909 FPS01

## Related Information

[Confirm Receipt of Goods](#)

## 9.3 Country/Region Specifics

For country/region-specific changes, please see [Country/Region Specifics \[page 131\]](#).

# 10 Supply Chain

## 10.1 Warehouse Management

### 10.1.1 Enhancements to the Warehouse Management Monitor

With this feature, you can access more information about your warehouse directly in the warehouse management monitor. You can also perform additional actions, for example, print storage bin labels or calculate the dangerous goods relevance of outbound delivery orders and transport units.

#### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-MON (Monitoring) SCM-EWM-DLP (Delivery Processing)
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

##### Warehouse Task History of Handling Units

To see warehouse tasks performed for a handling unit, choose [Documents](#) > [Handling Unit](#) > [WT History](#) or [Stock and Bin](#) > [Handling Unit](#) > [WT History](#).

##### Copying of Storage Bins

To create storage bins by copying an existing bin, choose [Stock and Bins](#) > [Storage Bins](#) > [More Methods](#) > [Copy Storage Bins](#).

##### Printing of Storage Bin Labels

To print storage bin labels, choose [Stock and Bins](#) > [Storage Bins](#) > [More Methods](#) > [Print Storage Bins](#).

## Expanded Monitor Nodes

You can now access the monitor with all the nodes still expanded since your last session. For each warehouse, monitor, and user, if you close the monitor by choosing *Exit*, the system remembers the nodes that you expanded for the next time you access the monitor. You don't have to expand the same nodes again when starting a new monitor session.

## Display of Document Address

You can see the document address for an outbound delivery order and inbound delivery displayed in several apps, such as the *Maintain Inbound Deliveries* app, the *Outbound Delivery Orders* app, and the *Warehouse Monitor* app. For example, in the *Outbound Delivery Orders* app, you can see the document address, if available, under the *Partner* tab.

With this display, you save several navigation steps otherwise needed to find the document address.

## Dangerous Goods Relevance

You can calculate the dangerous goods relevance of outbound delivery orders and transportation units based on the dangerous goods relevance of their items.

## Display of Storage Bin Sorting

You can display storage bin sorting information based on the additional search options *Storage Section* and *Storage Bin*. You can filter the results to include unsorted storage bins.

## Also Available in Lower Releases

These features are also available in SAP S/4HANA 1709 and SAP S/4HANA 1809, as of the following support packages:

Feature	1709	1809
Warehouse Task History of Handling Unit	Support Package 5	Support Package 3
Copying of Storage Bins	Support Package 5	Support Package 3
Printing of Storage Bin Labels	Support Package 5	Support Package 3
Expanded Monitor Nodes	Support Package 5	Support Package 3
Calculation of Dangerous Goods Relevance of Outbound Delivery Orders and Transport Units	Support Package 6	Support Package 4
Display of Document Address	Support Package 5	Support Package 3
Dangerous Goods Relevance	Support Package 6	Support Package 4
Display of Storage Bin Sorting	Not available	Support Package 4



## Related Information

[Warehouse Management Monitor](#)

### 10.1.2 Enhancements to Inbound Processes

With this feature, you can change and assign serial numbers, and perform mass operations for multiple handling units when receiving handling units using a radio frequency (RF) presentation device.

#### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-RF (Radio Frequency Processing)
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

You can perform the following actions in the launchpad for *Extended Warehouse Management* under

► [Execution](#) ► [Test RF Environment](#) ► [Inbound Processes](#) ► [Receiving of Handling Units](#) ⌵:

- After scanning handling units that already exist in the system, you can use the **F3** function key to change their serial numbers.
- After scanning handling units that do not exist in the system, you can manually assign serial numbers to serial-number-managed products.
- You can perform mass operations for multiple handling units, for example, to create or unload multiple handling units at a time.

#### **i** Note

These features are also available in SAP S/4HANA 1709 as of Support Package 5 and SAP S/4HANA 1809 as of Support Package 3.

## Related Information

[Receipt of Handling Units Using RF](#)

### 10.1.3 Enhancements to Distribution Equipment

This feature enables you to assign or unassign towing vehicles in the following radio frequency (RF) transactions when you are distributing goods with distribution equipment:

- [Loading](#)
- [Unloading](#)
- [Change Loading/Unloading Details](#)

You can assign only one towing vehicle to one piece of distribution equipment at a time.

#### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-RF (Radio Frequency Processing) SCM-EWM-WOP (Warehouse Order Processing)
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

If you log on with a resource using a resource type with the resource category of [Towing Vehicle](#), this logon resource is assigned automatically as the towing vehicle of the distribution equipment. If the towing vehicle is already assigned to another distribution equipment, this logon resource isn't automatically assigned. In that situation, you must unassign the towing vehicle from the distribution equipment or log on with another resource.

#### Terminology Change

The following objects have been renamed:

- Handling unit compartment has been renamed to handling unit position.
- Handling unit compartment type has been renamed to handling unit structure template.

## Effects on System Administration

You define resources on the launchpad under [Extended Warehouse Management](#) > [Master Data](#) > [Resource Management](#) > [Maintain Resources](#).

## Effects on Customizing

You must set up a dedicated warehouse order creation rule using creation rule of category [Process for Distribution Equipment](#). This creation rule ensures that if a towing vehicle is assigned to a handling unit, the system uses the same towing vehicle in the warehouse order. You set up warehouse order creation rules in Customizing for [Extended Warehouse Management](#) under [Cross-Process Settings](#) > [Warehouse Order](#) > [Define Creation Rule for Warehouse Orders](#).

You must define a resource type with the resource category of [Towing Vehicle](#). Your towing vehicle resources must then have this resource type. You define resource types in Customizing for [Extended Warehouse Management](#) under [Cross-Process Settings](#) > [Resource Management](#) > [Define Resource Types](#).

## Related Information

[Goods Distribution with Distribution Equipment](#)

## 10.1.4 Enhancements to Cross Processes

This feature enables you to do the following actions:

- Automatically trigger communication points in the material flow system only if they haven't been triggered recently (within 1 minute)
- View more details of how the system created the warehouse tasks for putaway and stock removal

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	SCM-EWM-MFS (Material Flow System) SCM-EWM-GM-GRI (Goods Receipt and Goods Issue)
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

### Limited Triggering of Communication Points on Channel Start

The system determines whether a communication point for a programmable logic controller (PLC) was triggered recently (within 1 minute). If yes, the system doesn't trigger the communication point again when starting the next communication channel of the same PLC. Because of this behavior, if several communication channels of the same PLC are started at once or within a very short timeframe, the system only triggers the communication points once. This behavior helps save system resources when starting the communication channels of a PLC. You can then check the application log to see whether communication points were skipped.

This feature is valid only for a material flow system without synchronization and PLCs for pallet conveyors.

### Improved Warehouse Task Creation Log During Putaway Bin Determination and Stock Removal

With the addition of more informative messages, you can more clearly see which key entries the system used to determine the storage bin and the putaway rule or stock removal rule. This information helps to improve troubleshooting during goods receipt and goods issue and can also help you to understand how to influence the way you want the storage type search to work.

These features are also available in SAP S/4HANA 1709 as of Support Package 6 and SAP S/4HANA 1809 as of Support Package 4.

## Related Information

[Material Flow System \(MFS\)](#)  
[Putaway and Stock Removal Strategies](#)

## 10.1.5 Enhancements to Internal Processes

With this feature, you can enable the system to perform additional actions during physical inventory and replenishment. You can also perform additional actions during your internal processes, for example, navigate directly to the details of open warehouse tasks or use serial numbers in ad hoc warehouse tasks.

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-PI (Physical Inventory) SCM-EWM-WOP (Warehouse Order Processing)
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

### Low Stock Check

When a low stock check is triggered at stock removal, the system can perform a tolerance check before posting the inventory difference. This enhancement can improve inventory accuracy and prevents potentially incorrect inventory differences being posted.

When you enter the quantity counted after confirming a warehouse task, the system performs a tolerance check in the following ways before posting an inventory difference:

- If the inventory difference doesn't exceed the predefined quantity-based or value-based tolerance after stock removal, the system posts the difference for the low stock check with or without physical inventory.
- If the inventory difference exceeds the predefined quantity-based and value-based tolerance after stock removal, the system keeps the inventory difference in the application log and cancels the creation of a physical inventory document. Additionally, the system calculates the product quantity by deducting the picked quantity, instead of using the entered remaining quantity.

### Serial Number Selection in Ad Hoc Warehouse Tasks

When you create an ad hoc product warehouse task in the [Create Warehouse Tasks - Product](#) app or an ad hoc handling unit warehouse task in the [Create Warehouse Tasks - Handling Units](#) app, you can specify the serial numbers of serialized products to be moved. You can use serial numbers with the serial number requirement [Serialization in Stock \(C\)](#) as well as unique item identifiers (Ull).

### Navigation to Open Warehouse Tasks

You can navigate directly to the details of open warehouse tasks from the [Create Warehouse Tasks - Product](#) app and the [Create Warehouse Tasks - Handling Units](#) app using the [Display Additional Data](#) button.

### Replenishment Calculation for Crate Parts

When the system calculates replenishment for crate parts, it takes stock that is in open handling unit warehouse tasks into account.

## Also Available in Lower Releases

These features are also available in SAP S/4HANA 1709 and SAP S/4HANA 1809, as of the following support packages:

Feature	1709	1809
Low Stock Check	Support Package 5	Support Package 3
Replenishment Calculation	Support Package 6	Support Package 4
Serial Number Selection	Support Package 5	Support Package 3
Navigation to Open WTs	Support Package 5	Support Package 3

## Effects on Customizing

### Low Stock Check

You can enable a tolerance check for a physical inventory area using the [Enable Tolerance Check for Low Stock Check](#) checkbox in Customizing for [Extended Warehouse Management](#) under [Internal Warehouse Processes](#) [Physical Inventory](#) [Physical-Inventory-Area-Specific Settings](#) [Define Physical Inventory Area](#).

## Related Information

[Continuous Physical Inventory Procedures](#)

## 10.1.6 Enhancements to Outbound Processes

With this feature, you can perform additional actions during your outbound process, for example, display the process codes for inbound deliveries and outbound delivery orders, add a carrier to multiple outbound delivery orders at once, or post goods issue for multiple transportation units in the background. You can also create warehouse tasks for outbound delivery orders in the background and use the planned goods issue date as a filter for outbound delivery orders.

## Technical Details

Type

Changed

Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-DLP (Delivery Processing) SCM-EWM-SR (Shipping and Receiving) SCM-EWM-MON (Monitoring) SCM-EWM-DLP-BF (Basic Functions)
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

You can perform the following actions:

- You can reverse goods issue for one or more outbound deliveries, even if they've been posted together with other deliveries or handling units.
- You can display the process codes for inbound deliveries and outbound delivery orders in the warehouse management monitor, and analyze the orders to improve your processes
- You can update the carrier and the SCAC code for transportation units in the [Maintain Transportation Units](#) app.
- You can add a carrier to multiple outbound delivery orders at once in the warehouse management monitor.
- You can post goods issue for multiple transportation units in the background from the warehouse management monitor or the [Shipping Cockpit Execution](#) app. The system can post goods issue for a transportation unit automatically, or you can post it manually using the [Posting Goods Movement \(/SCWM/R\\_POSTING\\_GM\)](#) report.
- You can create warehouse tasks for selected outbound delivery orders in the background using the [Create Warehouse Task for Stock Removal \(/SCWM/R\\_DLV\\_PDO\\_CREATE\\_WT\)](#) report.
- You can use the date of planned goods issue as a filter for outbound delivery orders in the [Zero Quantity Item Completion for Outbound Delivery Orders \(/SCWM/R\\_PDO\\_COMPLETE\)](#) report.

## Also Available in Lower Releases

These features are also available in SAP S/4HANA 1709 and SAP S/4HANA 1809, as of the following support packages:

Feature	1610	1709	1809
Reverse Goods Issue	Not available	Support Package 6	Support Package 4
Display Process Codes	Not available	Support Package 6	Support Package 4
Update Carrier and SCAC Code	Support Package 7	Support Package 5	Support Package 3

Feature	1610	1709	1809
Add Carrier to Multiple Out-bound Delivery Orders	Not available	Support Package 6	Support Package 4
Post Goods Issue in the Background	Not available	Support Package 6	Support Package 4
Create Warehouse Tasks in Background	Not available	Support Package 5	Support Package 3
Filter by Planned Goods Issue Date	Not available	Support Package 5	Support Package 3

## 10.1.7 Optimized Warehouse Order Assignments by SAP Warehouse Insights

With this feature, you can view an optimized sequence of warehouse orders assigned to resources in the warehouse management monitor. Based on this sequence, your resources can perform the warehouse orders in a more efficient way to avoid unnecessary travel distance.

### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-MON (Monitoring)
Available As Of	SAP S/4HANA 1909 FPS01

### Additional Details

You can view the optimization results in the warehouse management monitor by choosing [Resource Management](#) > [Optimized Exec. Plan of WOs](#).



## 10.1.8 Control Delivery Splits

With this feature, you can control if your users are allowed to split outbound deliveries, either manually or automatically during handling unit split or outbound delivery creation. This feature is also available in SAP S/4HANA 1709 as of Support Package 5 and SAP S/4HANA 1809 as of Support Package 3.

### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-DLP-SF-OD (Specific Process Functions)
Available As Of	SAP S/4HANA 1909 FPS01

### Effects on Customizing

The following Customizing is available in SAP S/4HANA 1909 FPS01 only:

- The Customizing activity [Define Document Types for Outbound Delivery Process](#) has been updated with a checkbox to allow you to prevent outbound delivery splits. For more information, see Customizing for EWM under [Goods Issue Process > Outbound Delivery > Define Document Types for Outbound Delivery Process](#).
- The Business Add-In (BAI) [BAI: Control of Outbound Delivery Split](#) allows you to refine the situations where you prevent outbound delivery splits. For more information, see Customizing for EWM under [Business Add-Ins \(BAIs\) for Extended Warehouse Management > Goods Issue Process > Outbound Delivery > BAI: Control of Outbound Delivery Split](#).

## 10.1.9 Enhancements to EWM-ME Integration

This feature enables the system to send automatic notifications to SAP Manufacturing Execution (SAP ME) when there are stock changes to production supply areas managed by Extended Warehouse Management (EWM).

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SAP-EWM-IF (Interfaces)
Available As Of	SAP S/4HANA 1909 FPS01

## Effects on Customizing

To enable the stock change notifications, perform the following actions:

- Activate the synchronization of stock changes in EWM-managed production supply areas for SAP ME in Customizing for *Extended Warehouse Management* under [Interfaces](#) > [SAP ME Integration](#) > [Define Synchronization of Stock Data for SAP ME System](#).
- Enable EWM to send notifications to SAP ME by implementing or activating default implementation of Business Add-In (BAI) *BAI: Notifying SAP Manufacturing Execution for Stock Change* (/SCWM/EX\_EWM\_HU\_CHG) in Customizing for *Extended Warehouse Management* under [Business Add-Ins \(BAIs\) for Extended Warehouse Management](#) > [Interfaces](#) > [SAP ME Integration](#).

## 10.1.10 Change Documents for Transportation Units

With this feature, you can view change documents for transportation units (TUs), TU assignments, and vehicles directly from the *Maintain Transportation Units* app and the *Maintain Vehicles* app.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-SR (Shipping and Receiving)
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

This feature is also available in SAP S/4HANA 1709 as of Support Package 5 and SAP S/4HANA 1809 as of Support Package 3.

## Effects on System Administration

You must archive change documents for manually deleted TUs using the archiving object `CHANGEDOCU`.

## Effects on Customizing

You can activate or deactivate the creation of change documents for TUs, TU assignments, and vehicles in Customizing for EWM under [▶ Cross-Process Settings ▶ Shipping and Receiving ▶ General Settings ▶ Activate Change Documents in Shipping and Receiving ▶](#).

## 10.1.11 Simulate Waves

With this feature, you can simulate one or more selected waves before releasing them.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-WAV (Wave Management)
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

The wave simulation can be triggered in the warehouse management monitor via the methods [Simulate Waves](#) and [Simulate Single Waves](#) or with the report `/SCWM/R_WAVE_SIMULATE`.

This feature is also available in SAP S/4HANA 1809 as of Support Package 4 and in SAP S/4HANA 1709 as of Support Package 6. It can also be implemented using the SAP Note 2783735 in these releases.

## Effects on Customizing

You can use the Customizing Activity [Define Wave Simulation Settings](#) to maintain additional settings for the wave simulation. For more information, see Customizing for Extended Warehouse Management, under [► Goods Issue Process ► Wave Management ► General Settings ► Define Wave Simulation Settings ►](#).

You can use the Business Add-In (BAdI) [BAdI: Influence on Parallelization of Waves](#) to override the Customizing Activity [Edit Parallel Processing for Waves](#). You can determine whether the warehouse task creation for wave releases or wave simulations is executed in parallel for selected waves. For more information, see Customizing for Extended Warehouse Management, under [► Business Add-Ins \(BAdIs\) for Extended Warehouse Management ► Goods Issue Process ► Wave Management ► BAdI: Influence on Parallelization of Waves ►](#).

You can use the Business Add-In (BAdI) [BAdI: Processing After Wave Simulation](#) to perform actions, such as adding additional messages in the wave simulation log or changing the simulation status of the wave header. You can also trigger follow-on actions after the wave simulation. For more information, see Customizing for Extended Warehouse Management, under [► Business Add-Ins \(BAdIs\) for Extended Warehouse Management ► Goods Issue Process ► Wave Management ► BAdI: Processing After Wave Simulation ►](#).

## Related Information

[Processing of Waves](#)

## 10.1.12 Enhancements to Process E-Commerce Returns

With this feature, you can identify the sales order number for an unplanned customer return received without a warehouse request using the [Process E-Commerce Returns](#) app.

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-FIO (Fiori UI for EWM)

## Effects on Customizing

You can use the following BAdIs in Customizing for *Extended Warehouse Management* under **Business Add-Ins (BAdIs) for Extended Warehouse Management > Interfaces > ERP Integration > ERP Integration for Decentralized EWM > Unplanned Returns** :

- **BAdI: Determination of Original System for Sales Orders** (/SCWM/EX\_RE\_LOGSYS\_DETERMINE)  
You can use this BAdI to determine the original system where a sales order of an unplanned return was created.
- **BAdI: Data Retrieval and Preparation for Return Delivery** (/SCWM/EX\_RE\_UPLD\_DATA\_PREPARE)  
You can use this BAdI to retrieve data of sales orders and prepare data for the system to create return deliveries for unplanned returns.
- **BAdI: Change of Stock Types and Special Stock Indicators** (/SCWM/EX\_RE\_STOCK\_TYPE)  
You can use this BAdI to change the stock types and special stock indicators of return delivery items during the creation of a return delivery for customer returns received without warehouse requests, for example, in the SAP Process E-Commerce Returns app.

You can use the following BAdIs in Customizing for *Extended Warehouse Management* under **Business Add-Ins (BAdIs) for Extended Warehouse Management > Interfaces > ERP Integration > ERP Integration for Decentralized EWM** :

- **BAdI: Creation of Return Orders in ERP System** (/SCWM/EX\_ERP\_MAPOUT\_RO\_CREATE)  
You can use this BAdI to attach customer-specific data to the SAP ERP message for the creation of a return order, before sending to the central SAP ERP system.
- **BAdI: Creation of Return Deliveries in ERP System** (/SCWM/EX\_ERP\_MAPOUT\_RD\_CREATE)  
You can use this BAdI to attach customer-specific data to the SAP ERP message for the creation of a return delivery, before sending to the SAP ERP system.

## Related Information

[Process E-Commerce Returns](#)

## 10.1.13 Enhancements to Production Processes

With this feature, the following enhancement is available for decentralized Extended Warehouse Management (EWM) based on SAP S/4HANA:

- When a manufacturing order (production order or process order) is processed in SAP ERP or SAP S/4HANA, this triggers the decentralized EWM system to create, update, or delete the related expected goods receipt (EGR).

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	SCM-EWM-IF-ERP (Interface ERP)
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

Using the automated process for creating, updating, and deleting expected goods receipts ensures that expected goods receipts and their related production material requests remain synchronized in decentralized EWM.

## Effects on Customizing

To enable the automated process for creating, updating, and deleting expected goods receipts in decentralized EWM, implement the Business Add-In *Business Add-In PM/PP/PS/PI Orders Operation: UPDATE* (WORKORDER\_UPDATE) in SAP ERP or SAP S/4HANA. For more information about the implementation, see SAP Note [2811153](#).

## Related Information

[Using Expected Goods Receipts](#)

## 10.2 Delivery and Transportation

### 10.2.1 Transportation Management

#### 10.2.1.1 Enhancements for Planning

With this feature you can use a new standard planning strategy for the creation of package units based on package building. Further, you can synchronize individual page layouts and handle inconsistent objects in the transportation cockpit.

#### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-PLN (Planning), TM-PLN-TC (Transportation Cockpit)
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

The following functions are available:

- For the creation of package units based on package building for freight units, the standard planning strategy `CEPU_ONLY Create PUs Based on Package Building for FUs` is available. It contains the `VSR_CEPU` method and serves as an example strategy. You can include this method in your own planning strategies if required. For more information about the creation of package units based on package building for freight units, see [Use of Package Units in Planning](#).
- You can synchronize an individual page layout by selecting [Show Configuration Data](#) and then [Restore Pushbutton Data](#) for the local toolbar within the page layout. This feature is also available in SAP S/4HANA 1809.
- Inconsistent objects are handled in the transportation cockpit in the following way:
  - If the system detects inconsistent objects when you start the transportation cockpit, it removes them from the transportation cockpit.
  - If the system detects inconsistent objects that were created during the last planning action, it also removes them from the transportation cockpit. You are not allowed to save your changes. Instead, you can undo your changes and analyze the situation. Alternatively, you can also refresh the transportation cockpit or navigate back to the initial screen of the transportation cockpit.

## 10.2.1.2 Enhancements for Package Building and Load Planning

Package building and load planning have been enhanced.

### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	TM-PLN-LP (Load Planning), TM-PLN-PB (Package Building), SCM-BAS-PAK-PB (Package Building), SCM-BAS-PAK-PB-OPT (Package Building Optimizer)
Available As Of	SAP S/4HANA 1909 FPS01

### Additional Details

The following functions are available:

- A new report is available that lets you check whether you have defined your package building constraints consistently. To start the report `/SCMB/CHECK_PB_DEFINITIONS`, on the SAP Easy Access screen, choose [► Logistics](#) [► Transportation Management](#) [► Administration](#) [► Package Building](#) [► Check Consistency of Package Building Constraints](#).
- The report for determining normalized load consumption quantities (NLQ) based on randomized data has been enhanced. For example, you can do the following:
  - You can choose whether the report is to run based on the input options or based on an Excel file upload.
  - Instead of selecting a range for the number of transportation demands and items to be created and the quantity per item, you can now indicate an average value and the standard deviation.
  - Once you execute the report, the NLQ determination screen is displayed that lets you change the input data. For example, you can exclude certain products or change the quantities and then execute or schedule the NLQ determination.
  - If you have executed the report in simulation mode and then executed the NLQ determination, you can save the results.
- The test report for package building has been enhanced. You can now also run it with freight units. Further, the report takes into account freight units for which you have indicated that exclusive packages are to be created, that is, packages that only contain products for a specific customer.
- In the load plan hierarchy, the quick view for packages now also displays the center of gravity.



## Related Information

[Consistency Check of Package Building Constraints](#)  
[Test Report for Package Building in TM](#)  
[NLQ Determination Based on Randomized Data](#)

## 10.3 Advanced Order Promising

### 10.3.1 Cross-App Navigation for Substitution Strategy

With this feature, you can navigate from the *Configure Alternative Control* to the *Configure Substitution Strategy* app to display data about the substitution strategies used in alternative controls.

#### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-ABC (ATP: Alternative-Based Confirmation)
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

In the *Alternative Controls* table, you can now click on the substitution strategy displayed in the *Substitution Strategy* column. Doing so will display, in the *Configure Substitution Strategy* app, the applicable substitution method and alternative determination for the strategy as well as the standard buttons for editing, deleting and copying the substitution strategy.

## Related Information

[Configure Substitution Strategy](#)  
[Configure Alternative Control](#)

## 10.3.2 Relative Dates in Selection Criteria

With this feature, the *Configure BOP Segment* app has been enhanced with functionality for defining selection and exclusion conditions with which to filter requirements on the basis of relative dates.

### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-BOP (ATP: Backorder Processing)
Available As Of	SAP S/4HANA 1909 FPS01

### Additional Details

A relative date is a period of time that is relative to the current date, for example, last month or ten days ago. In the *Selection Criteria* subsection of the *BOP Segment Definition* screen, you can now define selection and exclusion conditions for any date-related characteristics maintained for the catalog types for catalog use type *Backorder Processing* in the *Manage Characteristic Catalogs* app.

### Related Information

[Filtering Requirements by Relative Date Configure BOP Segment](#)

## 10.3.3 Manage Characteristic Catalogs

With this feature, the characteristic catalogs for backorder processing in the *Manage Characteristic Catalogs* app have been enhanced to enable you to create custom fields for the selection and exclusion of requirements and to define value groups.

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-BOP (ATP: Backorder Processing), CA-ATP-PAL (ATP: Product Allocation)
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

The following is now possible in the characteristic catalogs for catalog use type *Backorder Processing*:

- **Custom Field Definition**
  - You can now define custom fields that can be chosen as attributes in selection and exclusion conditions in the *Configure BOP Segment* app.
- **Value Group Definition**
  - You can now group a set of values which have different parents values, under a common name. The value group (for example, different customers which have the same priority for order fulfillment when availability of a material is limited) can then be used subsequently as a characteristic when you define selection and exclusion conditions for backorder processing in the *Configure BOP Segment* app. The value groups can also be identified in the results of backorder processing runs, displayed in the *Monitor BOP Run* app.

## Related Information

[Extensibility for Requirement Selection](#)  
[Manage Characteristic Catalogs](#)  
[Configure BOP Segment](#)  
[Monitor BOP Run](#)

### 10.3.4 Toggle Fallback for Group Values

With this feature, the *Manage Characteristic Catalogs* app has been enhanced with functionality with which you can declare a value to be the fallback group value in Backorder Processing (BOP) and Product Allocation (PAL).

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-PAL (ATP: Product Allocation)
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

A fallback value is the value of a group found for a parent value for which there is no assignment to a group value. Depending on the chosen group value, you can use the [Toggle Fallback](#) pushbutton to either define the group value to be the fallback group value or, alternatively, to make the group value a standard group value and enable the assignment of parent values again. If a group value has been declared to be the fallback group value, the [Fallback Group Value](#) column contains *Yes*.

## Related Information

[Manage Characteristic Catalogs](#)

## 10.3.5 Filter in Select Characteristics Dialog

With this feature, the *Manage Characteristic Catalogs* and *Configure Product Allocation* apps have been enhanced to include a filter in the [Select Characteristics](#) dialog.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	1JW (Advanced Available-to-Promise Processing)
Application Component	CA-ATP-PAL (ATP: Product Allocation)

## Additional Details

You can now filter the list of characteristics in the [Select Characteristics](#) dialog when you are editing characteristic catalogs or product allocation objects. To display the [Filter](#) field bar, click [Characteristic](#) in the table header. Note that the filter is reset automatically when you leave the app.

## Related Information

[Manage Characteristic Catalogs](#)  
[Configure Product Allocation](#)

## 10.4 Country/Region Specifics

For country/region-specific changes, please see [Country/Region Specifics \[page 131\]](#).

# 11 Cross Components

## 11.1 Changed Session Handling Behavior with New Browser Versions

Updates to various browser versions may include changes that affect the session handling: When the browser is closed, the backend session may not terminate automatically, resulting in data objects to be locked until the session timeout has been reached. For more information, see [2781622](#).

### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	Not applicable
Available As Of	SAP S/4HANA 1909 FPS01

### Additional Details

To avoid disruptions to your workflow, we generally recommend the following actions before closing the browser window or navigating from one application to another: Make sure to save any changes you have made to a data object and close the application when you are done working in it.

### Effects on System Administration

The effects on session handling depend on the way in which the browser is set up. For more information, see [2781622](#).

## 11.2 Master Data Maintenance

### 11.2.1 Service Interfaces for Business Partner

The SOAP API `BusinessPartnerSUITEBulkReplicateRequest` is enhanced with the following entities:

- FinancialServicesCommon
- FinancialServicesReporting
- PartnerIsBank
- Creditworthiness
- Employment
- FiscalYear
- Rating
- Alias
- TaxCompliance

#### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-MD-BP
Available As Of	SAP S/4HANA FPS01

## 11.3 Master Data Governance, Central Governance

### 11.3.1 New Features for Master Data Governance Application Framework

We have added new features to Master Data Governance Application Framework (sometimes referred to as Generic Functions). For example, customers can now use existing data quality rules for their material processes within SAP MDG, central governance. For details on all new features, please see the **Additional Details** section.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CA-MDG-AF
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

### Using Data Quality Rules in Central Governance (Product/Material)

Users such as master data stewards can now use existing data quality rules for their material processes within SAP MDG, central governance. The new check type *07 Validation Rules (Data Quality)* within Customizing allows them to define the change request types and change request steps in which these rules are used.

Please note that you can only enable the use of *Validation Rules (Data Quality)* for change requests of data models that use a re-use active area.

## 11.4 Situation Handling

### 11.4.1 New Use Cases for Situation Handling

With this feature, you can now use Situation Handling with the [Monitor Supply Assignment Demand](#) app, for which the following standard templates are available:

- [Approaching Cancellation Date](#)
- [Cancellation Date has Passed](#)
- [Supply Arriving Late](#)
- [Order has Open Requirements](#)
- [Orders Unassigned](#)

## Technical Details

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



Functional Localization	Not applicable
Scope Item	31N
Application Component	CA-SIT
Available As Of	SAP S/4HANA 1909 FPS01

## Related Information

[Situation Handling](#)  
[Situation Handling in Supply Assignment](#)

## 11.5 Country/Region Specifics

For country/region-specific changes, please see [Country/Region Specifics \[page 131\]](#).

## 11.6 What's New in ABAP Platform

ABAP platform is the basis of the SAP S/4HANA product line. To find out what's new in ABAP platform, see the [what's new viewer for the ABAP platform](#).

### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	BC
Available As Of	SAP S/4HANA 1909 FPS01

## Related Information

[ABAP Platform - What's New Viewer](#)

# 12 Country/Region Specifics

## 12.1 Brazil

### 12.1.1 Finance

#### 12.1.1.1 Treasury and Risk Management

##### 12.1.1.1.1 Taxes for Intercompany Loans

This feature enables you to use a new tax calculation process for intercompany loans of borrowing type using standard *Treasury and Risk Management* functions.

### Technical Details

Type	Changed
Functional Localization	Localized for Brazil
Scope Item	1YI (Intercompany Process for Debt and Investment Mgmt), 1WV (Debt and Investment Management)
Application Component	FI-LOC-TRM
Available As Of	SAP S/4HANA 1909 FPS01

### Additional Details

By creating interest rate instruments for product category 550, you can enable the standard *Treasury and Risk Management* functions (transactions `FTR_CREATE` and `FTR_EDIT`) to calculate interest and generate tax flows for intercompany loans of borrowing type in accordance with the legal requirements in Brazil. This new process replaces the need to use the *Intercompany-Loan Tax Calculation (New)* report (transaction `J1BICLTAXN`) for calculating the tax amounts for your intercompany loan transactions of borrowing type and allows more flexibility, for example, end date changes for tax recalculation.

## i Note

For intercompany loans based on current account, you still need to use the *Intercompany-Loan Tax Calculation (New)* report.

## Effects on Customizing

In Customizing for *Financial Supply Chain Management (FSCM)*, under **Treasury and Risk Management** > *Transaction Manager* > *Country-Specific Functions* > *Brazil* > *Tax Flow Calculation* > *Define Rules for Tax Flow Calculation*, the new field *Extension Flow Type* has been added.

## Related Information

[Taxes for Intercompany Loans](#)

## 12.1.1.2 EFD Contribuições

This feature enables you to collect all the required data for the EFD Contribuições report to generate a TXT file that you must submit to the tax authorities through the Run Advanced Compliance Reports app.

## Technical Details

Type	Changed
Functional Localization	Localized for Brazil
Scope Item	1J2
Application Component	FI-LOC-FI-BR
Available As Of	SAP S/4HANA 1909 FPS01

## Effects on Existing Data

The EFD Contribuições report is updated to the new layout (version 6) according to the EFD Contribuições implementation guide (Guia Prático).

## Related Information

[EFD Contribuições Report](#)

### 12.1.1.3 EFD ICMS IPI Report

This feature enables you to collect all the required data for the EFD ICMS IPI report to generate a TXT file that you must submit to the tax authorities through the [Run Advanced Compliance Reports](#) app.

## Technical Details

Type	Changed
Functional Localization	Localized for Brazil
Scope Item	1J2
Application Component	FI-LOC-FI-BR
Available As Of	SAP S/4HANA 1909 FPS01

## Effects on Existing Data

The EFD ICMS IPI report is updated to the new layout (version 14) according to the EFD ICMS IPI implementation guide (Guia Prático).

## Related Information

[EFD ICMS IPI Report](#)

### 12.1.1.4 Rectification of SPED Reports

This feature enables you to change data of a SPED file that is already set to status [Completed](#) and resubmit it through the [Run Advanced Compliance Reports](#) app.

## Technical Details

Type	New
Functional Localization	Localized for Brazil
Scope Item	1J2
Application Component	FI-LOC-FI-BR
Available As Of	SAP S/4HANA 1909 FPS01

## Related Information

[Rectification of SPED Reports](#)

### 12.1.1.5 Migration of Bar Code Data

You can manually migrate the bar code from external systems into the SAP system using the [Migration Cockpit](#). During migration, the system saves bar code data of existing, but still open items from an external system into the BSEG table, into the GLO\_REF1 field. The manual migration is necessary only if you do not implement the SAP S/4HANA 1909 FPS01.

Note that if you implement the SAP S/4HANA 1909 FPS01, all the bar code data stored in the BSEG database table is automatically migrated from the old fields to the new one.

## Technical Details

Type	New
Functional Localization	Localized for Brazil
Scope Item	Not applicable
Application Component	FI-LOC-FI-BR (Financials Brazil)
Available As Of	SAP S/4HANA 1909 FPS01

## Related Information

[Migration of Bar Code Data](#)

### 12.1.1.6 Replacement of Payment Medium Reports

With this feature, you will be able to use payment medium formats in the *Extended Data Medium Exchange Engine* (DMEEX) tool, instead of certain payment medium reports as of the SAP S/4HANA 2020 release.

#### Technical Details

Type	Deleted
Functional Localization	Localized for Brazil
Scope Item	Not applicable
Application Component	FI-LOC-FI-BR (Financials brazil)
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

Please note that this replacement means that the following payment medium reports will no longer be available as of the SAP S/4HANA 2020 release:

- Duplicata File (RFFOBR\_A)
- International Payment Media - Boletto (Brazil) (RFFOBR\_D)
- DME Brazil - A/P (RFFOBR\_U)
- International Payment Media - Boletto (Brazil) (RFFOBR\_V)

Note that this report will be obsolete as of the SAP S/4HANA 2020 release and will not be replaced.

The first three reports will be replaced by payment medium formats in the *Extended Data Medium Exchange Engine* (DMEEX) tool.

## Related Information

[Duplicata/Boleto Payment Methods](#)

## 12.2 China

### 12.2.1 Finance

#### 12.2.1.1 Statement of Changes in Owner's Equity - Yearly

You can use the [Run Compliance Reports](#) app to generate the statement of changes in owner's equity and submit it by year to the tax authorities. You can also generate it by month or quarter for internal management purpose.

#### Technical Details

Type	New
Functional Localization	Localized for China
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-FI-CN (Financials China)
Available As Of	SAP S/4HANA 1909 FPS01

#### Related Information

[Statement of Changes in Owner's Equity - Yearly](#)

#### 12.2.1.2 Import Batch Claims of BoE Payable - China

With this feature you can download an Excel template and prepare information based on this template to import batch claims of bills of exchange payable.

#### Technical Details

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



Functional Localization	Localized for China
Scope Item	1WQ (Bill of Exchange)
Application Component	FI-LOC-FI-CN
Available As Of	SAP S/4HANA 1909 FPS01

## Related Information

[Batch Importing of Claim Transactions](#)

### 12.2.1.3 Import Batch Claims of BoE Receivable - China

With this feature you can download an Excel template and prepare information based on this template to import batch claims of bills of exchange receivable.

## Technical Details

Type	New
Functional Localization	Localized for China
Scope Item	1WQ (Bill of Exchange)
Application Component	FI-LOC-FI-CN
Available As Of	SAP S/4HANA 1909 FPS01

## Related Information

[Batch Importing of Claim Transactions](#)

## 12.3 Czech Republic

### 12.3.1 Finance

#### 12.3.1.1 Cash Flow Statement

This feature enables you to use the [Run Compliance Reports](#) app to generate the cash flow statement in accordance with the requirements in the Czech Republic.

#### Technical Details

Type	New
Functional Localization	Localized for the Czech Republic
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-FI-CZ
Available As Of	SAP S/4HANA 1909 FPS01

#### Effects on Customizing

To support the advanced compliance reporting functions for the Czech Republic, you must make settings in Customizing for [Financial Accounting](#) under [► Advanced Compliance Reporting ► Setting Up Your Compliance Reporting ▾](#).

#### Related Information

[Cash Flow Statement](#)

## 12.3.1.2 Financial Statements

This feature enables you to use the [Run Compliance Reports](#) app to generate the following financial statements in accordance with the requirements in the Czech Republic:

- Balance sheet (one balance sheet for assets and another for liabilities and stockholder's equity)
- Profit and loss statement

### Technical Details

Type	New
Functional Localization	Localized for the Czech Republic
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-FI-CZ
Available As Of	SAP S/4HANA 1909 FPS01

### Effects on Customizing

To support the advanced compliance reporting functions for the Czech Republic, you must make settings in Customizing for [Financial Accounting](#) under [Advanced Compliance Reporting](#) [Setting Up Your Compliance Reporting](#).

### Related Information

[Financial Statements](#)

## 12.3.1.3 VAT Declaration

This feature enables you to use the [Run Compliance Reports](#) app to generate the following VAT reports in accordance with the requirements in the Czech Republic:

- VAT Return
- VAT Control Statement

## Technical Details

Type	New
Functional Localization	Localized for the Czech Republic
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-FI-CZ
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

You can now use the following activities for the Czech Republic in the *Run Advanced Compliance Reports* app:

- [Manage Tax Items](#)
- [CZ VAT Declarations](#)
- [Post Tax Payables](#)

## Effects on Customizing

To support the advanced compliance reporting functions for VAT reporting in the Czech Republic, you must make settings in Customizing for *Financial Accounting* under the following Customizing activities: .

- [Advanced Compliance Reporting](#) > [Setting Up Your Compliance Reporting](#) >
- [General Ledger Accounting](#) > [Periodic Processing](#) > [Report](#) > [Statutory Reporting: Czech Republic](#) > [Value-Added Tax Ledger](#) >
  - [Define Settings for VAT Ledger](#)
  - [Define Sections in VAT Ledger](#)
  - [Change VAT Ledger Section Assignments](#)
  - [Assign Attributes to Tax Codes](#)
  - [Settings for Reverse Charge VAT:](#)
    - [Define Classification Code for Tax Code](#)
    - [Define Values for Material Classification Codes](#)
  - [Settings for Data Collection from External Systems](#)
    - [Activate Function to Import External VAT Data](#)

## Related Information

[VAT Declaration](#)

## 12.4 Germany


### 12.4.1 Cross-Application Functions

#### 12.4.1.1 eDocument

##### 12.4.1.1.1 SAP Document Compliance (eDocument) solution for PEPPOL with Convergent Invoicing for Germany

The generic eDocuments for Germany solution allows you to create eDocuments, that is, to transform documents created in various SAP applications into predefined exchange formats and transfer them electronically to the systems of public entities or business partners. This solution allows you to generate and transmit customer invoices and credit notes in reference to customer invoices in electronic form, conforming to all relevant PEPPOL standards applicable in Germany. You can now also send electronic documents using PEPPOL for a **Convergent Invoicing** document by using the PEPPOL for Convergent Invoicing solution for FI-CA, within the SAP Document Compliance Framework for eDocuments Germany.

#### Technical Details

Type	New
Functional Localization	Localized for Germany
Scope Item	Not applicable
Application Component	FI-CA
Available As Of	 Example SAP S/4HANA 1909 FPS01

#### Additional Details

##### i Note

You must be running an SAP S/4HANA On-Premise system with the following minimum current status: **S4CORE 104 SP 1** and have implemented the eDocuments for Germany solution and the SAP Convergent Invoicing Solution.

### ! Restriction

This solution involves ONLY the electronic transmission of **OUTGOING** invoices and credit notes within the eDocument Germany PEPPOL framework.

No PEPPOL integration is currently available with 3rd party systems such as Ariba.

## Effects on Customizing

For detailed information on installing and customizing this feature, see [Implementing and Configuring your eDocuments for Germany - PEPPOL for Convergent Invoicing \(FI-CA\) Solution](#)

## Related Information

[eDocuments for Germany - PEPPOL for Convergent Invoicing \(FI-CA\)](#)

## 12.4.1.1.2 Integration of an Incoming Automation with eDocument for Germany

With this release, you can integrate your system with an incoming automation solution to further process the invoices you have received from your suppliers.


## Technical Details

Type	New
Functional Localization	Localized for Germany
Scope Item	BD9 (Sell from Stock), BDD (Customer Returns), J14 (Sales Order Processing - Project-Based Services), J59 (Accounts Receivable), BKL (Invoice Correction Process with Credit Memo), 1EZ(Credit Memo Processing), 2EQ (Sale of Services)
Application Component	CA-GFT-CSC-EDO-DE
Available As Of	SAP S/4HANA 1909 FPS01


## Additional Details

This feature requires that you implement a Business Add-In to connect the system to the incoming automation solution.

## Effects on Customizing

You make the following settings in Customizing for eDocuments under [Cross-Application Components](#) > [General Application Functions](#) > [eDocument](#) > [General Settings](#) 

- Define the solution you want to integrate with eDocuments in [Define Incoming Automation Solution](#) (EDOINCOMSOLDEFV).
- Assign the solution to the eDocument process in [Assign Incoming Automation Solution to Process](#) (EDOINCOMSOLV).

You implement the [eDocument Incoming Automation](#) (EDOC\_INCOM\_CONNECTOR) to connect to your incoming automation solution. You find the BAdI in Customizing for eDocument under [Cross-Application Components](#) > [General Application Functions](#) > [eDocument](#) > [General Settings](#) > [Business Add-Ins \(BAdI\)](#) . Refer to the BAdI implementation documentation as well as the corresponding BAdI method documentation for more detailed information

## Related Information

[eDocument for Germany](#)

## 12.5 Indonesia

### 12.5.1 Finance

#### 12.5.1.1 Cash Flow Statement

You can use the [Run Compliance Reports](#) app to generate the cash flow statements that fulfill the requirements of the government in Indonesia. You can use the direct method or indirect method and submit the report regularly as required by authorities.

## Technical Details

Type	New
Functional Localization	Localized for Indonesia
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-FI-ID (Financials Indonesia)
Available As Of	SAP S/4HANA 1909 FPS01

## Related Information

[Cash Flow Statements](#)

## 12.6 Italy

### 12.6.1 eDocument for Italy (FI-CA)

Within the generic eDocument for Italy solution, this feature enables you to create FI-CA eDocuments for the following document types::

- Invoices
- Credit memos
- Debit memos

Using eDocument for Italy (FI-CA), you can also:

- Issue an invoice to an Italian public entity in the form of an eDocument where the VAT amount due is deducted (or "split") from the total amount of the invoice. You need to do this to comply with the legal requirement that public administration entities in Italy purchasing goods and service must pay the "value added tax" (IVA) levied on such goods and services directly to the relevant central government tax authority, and not to the supplier.  
For more information, see [Split VAT Payments for FI-CA](#).
- Reverse individual billing documents for a specific business partner, contract account, or invoicing document, under certain conditions.  
For more information, see [Reversing SD Billing Documents for FI-CA](#).
- Correctly apply the 'Bollo' stamp duty tax (Imposta di Bollo) Bollo:  
As an Italian business, when you invoice your domestic customers an amount greater than EUR 77.47, and where no VAT is applied, you are required to apply an additional 2.00 EUR to the final amount (Bollo).  
In this FI-CA eDocuments solution, two forms of Bollo are relevant:  
**Bollo to customer (B2C): Bollo as a real value in the invoicing document**  
**Bollo to company (B2B): Bollo as a statistical value in the invoicing document.**



For more information, see [Stamp Duty Tax \(Bollo\) for FI-CA](#).

→ Tip

For more information on the prerequisites and customizing of this feature, see [eDocuments for Italy \(FI-CA\)](#).

## Technical Details

Type	New
Functional Localization	Localized for Italy
Scope Item	Not applicable
Application Component	FI-CA
Available As Of	SAP S/4HANA 1909 FPS01

## 12.6.2 Finance

### 12.6.2.1 Migration of CUP/CIG Codes and MGO IDs

You can run the [Migration Cockpit](#) to migrate the data of existing, but still open items from an external system. During the migration, the system saves the CUP/CIG codes and the MGO ID of these open items into the `BKPF` table, into the `GLO_REF1_HD`, `GLO_REF2_HD`, `GLO_REF3_HD` fields. The manual migration is necessary only if you do not implement the SAP S/4HANA 1909 FPS01.

Note that when you implement the SAP S/4HANA 1909 FPS01, all the CUP/CIG and MGO data stored in the `BKPF` database table is automatically migrated from the old fields to the new one.

## Technical Details

Type	New
Functional Localization	Localized for Italy
Scope Item	Not applicable
Application Component	FI-LOC-FI-IT (Financials Italy)
Available As Of	SAP S/4HANA 1909 FPS01

## Related Information

[Migration of CUP/CIG Codes and MDO IDs](#)  
[Migration of CUP/CIG Codes](#)

## 12.7 Japan

### 12.7.1 Finance

#### 12.7.1.1 Trade Credit Check

You can use the [Run Compliance Reports](#) app to display the trade credit check report in ALV layout that you can save to your local computer in the Excel file or in the table view format for your preview.

### Technical Details

Type	New
Functional Localization	Localized for Japan
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-FI-JP (Financials Japan)
Available As Of	SAP S/4HANA 1909 FPS01

## Related Information

[Trade Credit Check](#)

#### 12.7.1.2 Central Bank Payment

You can use the [Run Compliance Reports](#) app to display the central bank payment report in ALV layout that you can save to your local computer in the Excel file or in the table view format for your preview.

## Technical Details

Type	New
Functional Localization	Localized for Japan
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-FI-JP (Financials Japan)
Available As Of	SAP S/4HANA 1909 FPS01

## Related Information

[Central Bank Payment](#)

## 12.8 Kazakhstan

### 12.8.1 Cross-Application Functions

#### 12.8.1.1 Submission of Material Movement Documents to Virtual Warehouse System

With this feature, you can create, sign, and submit material movement documents in XML format to the Virtual Warehouse (VWH) system.

## Technical Details

Type	New
Functional Localization	Localized for Kazakhstan
Scope Item	Not applicable
Application Component	CA-GTF-CSC-EDO-KZ (eDocument Kazakhstan)
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

Once you post a material document via transaction MIGO, the system creates an eDocument automatically and displays it in the *eDocument Cockpit*. You sign the eDocument in the *eDocument Cockpit*. After you submit the eDocument, the system generates an XML file and submits it to the VWH system via the UformWeb-Service. Upon receipt, the VWH system processes the XML file. You can track the process status in the *eDocument Cockpit*.

## Effects on Customizing


You need to carry out the following Customizing activities in Customizing for *Cross-Application Components* under **▶ General Application Functions ▶ eDocument ▶ General Settings** 

- *Activate Source Type Documents for Company Code*(EDOCOMPANYACTIV)
- *Define Interface Type for eDocument* (EDOINTTYPEV)
- *Assign eDocument Type to Goods Movement Type* (EDOT156V)
- *Assign eDocument Status to Process Status* (EDOMETASTATDETV)
- *Activate Additional eDocument Instance Creation* (EDOFACTORYV)
- *Activate Interface Versions* (EDOINTVERSIONV)
- *Assign eDocument Status to Process Status* (EDOMETASTATUSV)

You need to maintain the *Process Step Interface Determination* (EDOPROCSPINTDETV) view via transaction SM30.

You also need to carry out the following Customizing activities that are specific for Kazakhstan:

- *Assign Virtual Warehouse Storage Location IDs* (FIKZV\_STORE) under **▶ Financial Accounting (New) ▶ Accounts Receivable and Accounts Payable ▶ Business Transactions ▶ Country-Specific Settings ▶ Kazakhstan ▶ Electronic Invoicing ▶ Virtual Warehouse Integration** 
- *Assign Material Types to Company Codes*(EDOKZ\_MAT\_TYPE) under **▶ Cross-Application Components ▶ General Application Functions ▶ eDocument ▶ Country-Specific Settings ▶ Kazakhstan** 

In addition, you can implement your own logic for eDocument processing by using the the following Business Add-Ins (BAIs) under **▶ Cross-Application Components ▶ General Application Functions ▶ eDocument ▶ General Settings ▶ Business Add-Ins** 

- *Enhancements for eDocument* (EDOC\_ADAPTOR)
- *Define Interface Connector for eDocument* (EDOC\_INTERFACE\_CONNECTOR)

## Related Information

[eDocument for Kazakhstan](#)

## 12.9 Malaysia

### 12.9.1 Finance

#### 12.9.1.1 Sales Tax Deduction for SST Report

This feature supports sales tax deduction for SST Report for Malaysia. Under the sales tax deduction facility, you can obtain a sales tax deduction for the purchase of certain inputs, such as raw materials, components and packaging materials.

#### Technical Details

Type	Changed
Functional Localization	Localized for Malaysia
Scope Item	1J2 ()
Application Component	FI-LOC-FI-MY(Financials Malaysia)
Available As Of	SAP S/4HANA 1909 FPS01

#### Effects on Existing Data

- Two new fields are added to the report for sales tax deduction: *13B Sales Tax Deduction* and *13A Adjustment under Sales Tax Deduction*.
- A new analytic view called Supplier Invoice List is added in order to check the deduction amount with the government data.

#### Effects on Customizing

1. Set tax reporting date active in Customizing for *Financial Accounting* under **▶ Financial Accounting Global Settings ▶ Global Parameters for Company Code ▶ Enter Global Parameters ▶**.
2. Set up your fiscal year variant in Customizing for *Financial Accounting* under **▶ Financial Accounting Global Settings ▶ Fiscal Year and Posting Periods ▶ Maintain Fiscal Year Variant ▶**.
3. Make the required settings in Customizing for *Financial Accounting* under **▶ Advanced Compliance Reporting ▶ Setting Up Your Compliance Reporting ▶**.

4. Map material ID to customer's tariff code or service type code in Customizing for *Financial Accounting (New)*, under ► *General Ledger Accounting (New)* ► *Periodic Processing* ► *Report* ► *Statutory Reporting: Malaysia* ► *SST-02* ► *Map Customs Tariff Code/ Service Type Code* ►.
5. Set up tax codes in Customizing for *Financial Accounting* under ► *Financial Accounting Global Settings* ► *Tax on Sales/Purchases* ► *Calculation* ► *Define Tax Codes for Sales and Purchases* ►.
6. Define tax groups based on tax codes and define tax boxes according to each item on the SST-02 forms in Customizing for *Financial Accounting (New)*, under ► *General Ledger Accounting (New)* ► *Periodic Processing* ► *Report* ► *Statutory Reporting: Malaysia* ► *SST-02* ► *Define Tax Box Structures* ►.

## Related Information

[Sales and Service Tax Report](#)

## 12.10 Mexico

### 12.10.1 Cross-Application Functions

#### 12.10.1.1 eDocument

##### 12.10.1.1.1 Inclusion of Retailer Complement in Invoice XML Files

With this feature, you can include the required complement data in invoice XML files issued to retailers.

### Technical Details

Type	New
Functional Localization	Localized for Mexico
Scope Item	BD9 (Sell from Stock)
Application Component	CA-GTF-CSC-EDO-MX (eDocument Mexico)
Available As Of	SAP S/4HANA Cloud 2002

## Additional Details

As per legal requirements, suppliers must include some complement data in invoice XML files issued to retailers.

## Effects on Customizing

You must assign the *Retailer* complement type to your retailer customers in the Customizing activity *Assign Complement Types to Customers*. Find this Customizing activity in Customizing for *Cross-Application Components* under **▶ General Application Functions ▶ eDocument ▶ Country/Region-Specific Settings ▶ Mexico ▶**.

## Related Information

### 12.10.1.1.2 Saving of eDocument-Specific Data in Table BKPF

With this feature, you can save eDocument-specific data (for example, UUIDs of approved invoices) in the *Accounting Document Header* (BKPF) table.

## Technical Details

Type	New
Functional Localization	Localized for Mexico
Scope Item	BD9 (Sell from Stock)
Application Component	CA-GTF-CSC-EDO-MX (eDocument Mexico)
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

A new BAdI *Saving of eDocument-Specific Data in Source Documents* is available. You implement this BAdI to save eDocument-specific data in the table BKPF.

## Related Information

### 12.10.1.1.3 Changes to Cancellation Processes

You can now send invoice cancellation requests to customers for approval. It's required in certain situations defined by the tax authority only.

#### Technical Details

Type	Changed
Functional Localization	Localized for Mexico
Scope Item	BD9 (Sell from Stock) J59 (Accounts Receivable)
Application Component	CA-GTF-CSC-EDO-MX (eDocument Mexico)
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

##### Cancellation of Electronic Invoices

According to legal regulations, you can cancel an electronic invoice if the customer hasn't made any payment yet. To do so, in some situations, you only need the approval of the SAT, while in other situations, you must get the approval of the customer. In certain process statuses, the system can also cancel the invoice directly. When you cancel an invoice by choosing *Cancel eDocument*, the system judges which method to use in processing the cancellation request, as follows:

- If the eDocument has the *eDocument Created*, *Sending Requested*, or *Rejected by Tax Authorities* process statuses, the system cancels the eDocument directly. The process status changes to *eDocument Cancelled*.
- If the eDocument has the *Accepted by Tax Authorities* or *Sent to Customer* process status, the system sends a cancellation request to the PAC and then the PAC forwards it to the SAT. If some conditions are met, SAT approves or rejects the cancellation request directly. If the SAT approves it, the process status changes to *eDocument Cancelled*. If the SAT rejects it, the process changes to *Cancellation Rejected*. Otherwise, the SAT forwards the cancellation request to the customer and then the customer approves or rejects the cancellation request. A new *Awaiting Cancellation Response* process status and a new *Status* button have been added to the *Mexico eInvoice* process for this scenario. When you cancel an invoice, the



process status changes to *Awaiting Cancellation Response* first. You must choose *Status* to check if the customer has approved or rejected the cancellation request. If the customer approves it, the process status changes to *eDocument Cancelled*. If the customer rejects it, the process changes to *Cancellation Rejected*.

## Cancellation of Electronic Payment Receipts

The cancellation requests for payment receipts can be approved by the SAP system or the SAT, depending on the process status.

A new *Awaiting Cancellation Response* process status and a new *Status* button have also been added to the *Mexico ePayment* process. In case of technical errors, the process status remains *Awaiting Cancellation Response*. You must choose *Status* to get the latest process status from the PAC.

## Related Information

[Cancellation of Electronic Invoices](#)

[Cancellation of Electronic Payment Receipts](#)

## 12.10.2 Finance

### 12.10.2.1 Auxiliary Report of Folios

This feature enables you to report the *Auxiliary Report of Folios* report from eAccounting to SAT (*Servicio de Administración Tributaria*) in Mexico.

## Technical Details

Type	New
Functional Localization	Localized for Mexico
Scope Item	1J2
Application Component	FI-LOCA-FI-MX
Available As Of	SAP S/4HANA 1909 FPS01

## 12.10.2.2 Compensation UUID and Business Partner Tax Number (RFC) for Journal Entries Details

This feature enables you to report the compensation UUID at line item level in journal entries, together with business partner tax number information.

The *Business Partner Tax Number* field is available for you in the *Reference Key 3* field in the *Manage Journal Entries* app.

### Technical Details

Type	Changed
Functional Localization	Localized for Mexico
Scope Item	1J2
Application Component	FI-LOC-FI-MX
Available As Of	SAP S/4HANA 1909 FPS01

For more information, refer to SAP Note [2855015](#).

## 12.11 Netherlands

### 12.11.1 General Functions

#### 12.11.1.1 eDocument


##### 12.11.1.1.1 Integration of an Incoming Automation Solution with eDocument for the Netherlands

With this release, you can integrate your system with an incoming automation solution to further process the invoices you have received from your suppliers.


## Technical Details

Type	New
Functional Localization	Localized for the Netherlands
Scope Item	BD9 (Sell from Stock), BDD (Customer Returns), J14 (Sales Order Processing - Project-Based Services), J59 (Accounts Receivable), BKL (Invoice Correction Process with Credit Memo), 1EZ (Credit Memo Processing), 2EQ (Sale of Services)
Application Component	CA-CTF-CSC-EDO
Available As Of	SAP S/4HANA 1909 FPS01

## Effects on Customizing

You make the following settings in Customizing for eDocuments under [Cross-Application Components](#) > [General Application Functions](#) > [eDocument](#) > [General Settings](#) 

- Define the solution you want to integrate with eDocuments in [Define Incoming Automation Solution](#) (EDOINCOMSOLDEFV).
- Assign the solution to the eDocument process in [Assign Incoming Automation Solution to Process](#) (EDOINCOMSOLV).

You implement the [eDocument Incoming Automation](#) (EDOC\_INCOM\_CONNECTOR) to connect to your incoming automation solution. You find the BAdI in Customizing for eDocument under [Cross-Application Components](#) > [General Application Functions](#) > [eDocument](#) > [General Settings](#) > [Business Add-Ins \(BAdI\)](#) . Refer to the BAdI implementation documentation as well as the corresponding BAdI method documentation for more detailed information

## Related Information

[eDocument for the Netherlands](#)

## 12.11.2 Insurance

### 12.11.2.1 Copy Infotype Data from HCM to Business Partner

You can use a new report to copy data from certain infotypes in the HCM component to the business partner (BP) master data in the `INSURANCE` component to keep all the insurance-relevant data consistent in both components.

#### Technical Details

Type	New
Functional Localization	Localized for Netherlands
Scope Item	Not applicable
Application Component	FS-CM-LC (Financial Services Localization)
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

The following infotype data can be copied:

- 0059 – Social Insurances
- 0060 – Fiscal Data
- 0879 – Corrections

#### Related Information

[Copying Infotype Data from HCM to BP](#)

## 12.12 Philippines

### 12.12.1 Finance

#### 12.12.1.1 Business Place Enablement for Advanced Compliance Reporting

Business place is enabled for the following reports, and you can choose one or more business places for which you want to generate the report:

- Philippines Computerized Accounting System - Purchase Journal (PH\_CAS\_PJ) report
- Philippines Computerized Accounting System - General Journal (PH\_CAS\_GJ) report
- Philippines Computerized Accounting System - Sales Journal (PH\_CAS\_SJ) report
- Philippines Summary List of Sales (PH\_VAT\_SLS) report
- Philippines Summary List of Purchases (PH\_VAT\_SLP) report
- Philippines VAT Declaration - Monthly (PH\_VAT\_DCL) report
- Philippines VAT Return – Quarterly (PH\_VAT\_RTN) report

#### Technical Details

Type	Changed
Functional Localization	Localized for Philippines
Scope Item	1J2 ()
Application Component	FI-LOC-FI-PH (Financials Philippines)
Available As Of	SAP S/4HANA 1909 FPS01

#### Effects on Customizing

- Go through the steps of the process to define business place.  
To do so, make the required settings in Customizing for [Cross-Application Components](#) under [General Application Functions](#) > [Cross Application Document Numbering](#) > [Philippines](#) > [Business Place](#) > [Define Business Place](#) >

## Related Information

[Advanced Compliance Reporting for Philippines](#)

### 12.12.1.2 Computerized Accounting System - Cash Disbursement Journal

#### Technical Details

Type	New
Functional Localization	Localized for Philippines
Scope Item	1J2 ()
Application Component	FI-LOC-FI-PH(Financials Philippines)
Available As Of	SAP S/4HANA 1909 FPS01

#### Effects on Customizing

1. Go through the steps of the process to define business place.  
To do so, make the required settings in Customizing for [Cross-Application Components](#) under [General Application Functions](#) > [Cross Application Document Numbering](#) > [Philippines](#) > [Business Place](#) > [Define Business Place](#) >
2. Go through the steps of the process for setting up your compliance reporting.  
To do so, make the required settings in Customizing for [Financial Accounting](#) under [Advanced Compliance Reporting](#) > [Setting Up Your Compliance Reporting](#) >.

#### i Note

To be able to run the Cash Disbursement Journal for business places, you need to assign business places as organizational units to the reporting entity.

For more information about the settings and the country/region-specific configuration details, see the Customizing documentation in the system.

## Related Information

[Cash Disbursement Journal](#)

### 12.12.1.3 Computerized Accounting System - Cash Receipt Journal

#### Technical Details

Type	New
Functional Localization	Localized for Philippines
Scope Item	1J2 ()
Application Component	FI-LOC-FI-PH(Financials Philippines)
Available As Of	SAP S/4HANA 1909 FPS01

#### Effects on Customizing

1. Go through the steps of the process to define business place.  
To do so, make the required settings in Customizing for *Cross-Application Components* under **►► General Application Functions** > *Cross Application Document Numbering* > *Philippines* > *Business Place* > *Define Business Place* >
2. Go through the steps of the process for setting up your compliance reporting.  
To do so, make the required settings in Customizing for *Financial Accounting* under **►► Advanced Compliance Reporting** > *Setting Up Your Compliance Reporting* >.

#### i Note

To be able to run the Cash Disbursement Journal for business places, you need to assign business places as organizational units to the reporting entity.

For more information about the settings and the country/region-specific configuration details, see the Customizing documentation in the system.

## Related Information

[Cash Receipt Journal](#)

## 12.13 Poland

### 12.13.1 Finance

#### 12.13.1.1 Withholding Tax Declaration (IFT2)

The IFT2 withholding tax supports ad hoc reporting. With supplier requests, you can generate the withholding tax declaration report at anytime in a reporting period and submit the report to the tax authorities and the suppliers.

#### Technical Details

Type	New
Functional Localization	Localized for Poland
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-AP-AP-Q1
Available As Of	SAP S/4HANA 1909 FPS01

## Related Information

[Withholding Tax Declaration \(IFT2\)](#)

#### 12.13.1.2 Withholding Tax Declaration (IFT2R)

The IFTR2 withholding tax report is generated in XML and PDF format that can be submitted to the tax authorities on a yearly basis.



## Technical Details

Type	New
Functional Localization	Localized for Poland
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-AP-AP-Q1
Available As Of	SAP S/4HANA 1909 FPS01

## Related Information

[Withholding Tax Declaration \(IFT2R\)](#)

## 12.14 Portugal

### 12.14.1 Finance

#### 12.14.1.1 Annual VAT Declaration (Annex L and M)

You can use the [Run Compliance Reports](#) app to create an XML file with the necessary data for the Annual VAT (Annex L and M) declaration, according to the legal requirements of the tax authorities in Portugal.

## Technical Details

Type	New
Functional Localization	Localized for Portugal
Scope Item	1J2 (Advance Compliance Reporting), J58 (Accounting and Financial Close)
Application Component	FI-LOC-FI-PT
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

If you need to create an incident regarding this feature, you can also use component `XX-CSC-PT-FI`.

## Related Information

[Annual VAT Declaration \(Annex L and M\)](#)

### 12.14.1.2 Annual Sales and Purchase (Annex O and P)

You can use the [Run Compliance Reports](#) app to create two XML files with the necessary data for the Annual Sales and Purchase (Annex O and P) declaration, according to the legal requirements of the tax authorities in Portugal.

## Technical Details

Type	New
Functional Localization	Localized for Portugal
Scope Item	1J2 (Advance Compliance Reporting), J58 (Accounting and Financial Close)
Application Component	FI-LOC-FI-PT
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

If you need to create an incident regarding this feature, you can also use component `XX-CSC-PT-FI`.

## Related Information

[Annual Sales and Purchase \(Annex O and P\)](#)

## 12.15 Singapore

### 12.15.1 Finance

#### 12.15.1.1 Bad Debt Relief for GST Return

This feature supports bad debt relief for GST Return for Singapore. When debts cannot be recovered, you can apply for bad debt relief to recover GST that is charged but unpaid by your customers.

#### Technical Details

Type	Changed
Functional Localization	Localized for Singapore
Scope Item	1J2(Advance Compliance Reporting)
Application Component	FI-LOC-FI-SG
Available As Of	SAP S/4HANA 1909 FPS01

#### Effects on Existing Data

Bad debt relief is included in field *7. Less input tax and refunds claimed* and field *11. Total value of bad debt claims and or refund claims for revers charge transactions*.

#### Effects on Customizing

- Set up tax codes in Customizing for *Financial Accounting* under ► *Financial Accounting Global Settings* ► *Tax on Sales/Purchases* ► *Calculation* ► *Define Tax Codes for Sales and Purchases* ►.
- Map tax codes to tax boxes in Customizing for *Financial Accounting* under ► *General Ledger Accounting (New)* ► *Periodic Processing* ► *Report* ► *Sales/Purchases Tax Returns* ► *Group Tax Balances* ►.

#### Related Information

[Goods and Services Tax Return](#)

## 12.15.1.2 Reverse Charge and Digital Services for GST Return

You can use the *Run Advanced Compliance Reports* app to generate the *Singapore GST Return* report. The report now supports reverse charge and digital services.

- Reverse charge is included in field *11. Total value of bad debt claims and or refund claims for revers charge transactions* and *14 Import services subject to GST under Reverse Charge*.
- Digital services is included in field *15 Digital services subject to GST on behalf of thirty party suppliers*.

### Technical Details

Type	Changed
Functional Localization	Localized for Singapore
Scope Item	1J2(Advance Compliance Reporting)
Application Component	FI-LOC-FI-SG(Financials Singapore)
Available As Of	SAP S/4HANA 1909 FPS01

### Related Information

[Goods and Services Tax Return](#)

## 12.16 South Korea

### 12.16.1 Cross-Application Functions

#### 12.16.1.1 eDocument

##### 12.16.1.1.1 Issuance of Electronic Tax Invoices

There are some enhancements to the *South Korea e-Tax Invoice* process.

## Technical Details

Type	Changed
Functional Localization	Localized for South Korea
Scope Item	BD9 (Sell from Stock)
Application Component	CA-GTF-CSC-EDO-KR (eDocument South Korea)
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

We have added the following process statuses to the *South Korea e-Tax Invoice* process:

New Status	Meaning
<i>Received by ASP</i>	The application service provider confirms that it has received the tax invoice XML file.
<i>Accepted by Customer</i>	The customer has accepted the tax invoice.
<i>Rejected by Customer</i>	The customer has rejected the tax invoice.
<i>Sending to NTS Failed</i>	Communication error may have occurred, or a tax invoice XML file has failed the checks of the National Tax Service (NTS).

We have renamed the following process status, to convey the meaning of the status in a clearer way:

Old Process Status Name	New Process Status Name	Meaning
<i>Can't Be Processed</i>	<i>Sending to ASP Failed</i>	Communication error may have occurred, or the tax invoice XML file has failed the checks of the application service provider.

The following process statuses are obsolete now:

- *Can't Verify Sender*
- *Sent Successfully*

In addition, the following enhancements are available:

- How you cancel a tax invoice now depends on whether it has been validated by the NTS or not.
- How you cancel an individual invoice in a consolidated tax invoice now depends on whether the consolidated tax invoice has been validated by the NTS or not.
- After the application service provider receives a tax invoice XML file, you can ask them to forward the XML file to the NTS immediately.  
When the deadline for tax invoice reporting is just around the corner, you may want to send the tax invoice to the NTS immediately. A new *Submit Contingency* option is available under *More*. Select an eDocument

and choose this option to ask the application service provider to forward the XML file to the NTS immediately.

- If customers report that they didn't receive notification emails from the application service provider, you can now resend notification emails to them.

A new [Resend Notification to Customer](#) option is available under [More](#). Select an eDocument and choose this option to resend a notification email to the customer.

### i Note

With the introduction of the SAP Document Compliance solution, the [Manage Tax Invoices - South Korea](#) app is no longer supported and will be removed from the system as of **SAP S/4HANA 2020**. As of now, it is no longer available by default on SAP Fiori launchpad. If you need this app, you can find it in the App Finder until it is deprecated. We recommend that you switch to the SAP Document Compliance solution as soon as possible.

## Related Information

[eDocument for South Korea](#)

### 12.16.1.1.2 Verification of Supplier Tax Invoices

You can now use the [eDocument Cockpit](#) as a central place to manage invoice verification tasks, including creating, parking, and posting incoming invoices, based on supplier tax invoices.

## Technical Details

Type	New
Functional Localization	Localized for South Korea
Scope Item	J60 (Accounts Payable)
Application Component	CA-GTF-CSC-EDO-KR (eDocument South Korea)
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

You download electronic tax invoices issued by your suppliers from Hometax. By creating eDocuments for supplier tax invoices, you can use the new [South Korea Incoming Tax Invoices](#) process in the [eDocument](#)

*Cockpit* to manage invoice verification tasks. You can create, park, or post an incoming invoice that corresponds to a supplier tax invoice (eDocument) by navigating from the *eDocument Cockpit* to their respective apps. The system carries over the transaction data of the supplier tax invoice automatically. What's more, you can monitor invoice verification statuses in the *eDocument Cockpit*.

## Effects on Customizing

With the new BAdI *Determine Purchase Orders*, you can do the following:

- Determine and fill in purchase orders in incoming invoices
- Assign tax codes to incoming invoices

You can find this BAdI in Customizing for *Cross-Application Components* under **▸ General Application Functions** **▸ eDocument** **▸ Country/Region-Specific Settings** **▸ South Korea** **▸ Business Add-Ins (BADIs)** **▾**.

## Related Information

[Verification of Supplier Tax Invoices](#)

## 12.17 Spain

### 12.17.1 Finance

#### 12.17.1.1 VAT Return - Form 303

The **VAT Return – Form 303** report for Spain has been enhanced and modified by providing the following features:

- New output: The data preview has been changed to better reflect the format provided by the tax authorities. This includes also year's end information.
- New selection parameters: For the standard and correction runs new selection parameters have been created, among others **Amount** parameters. The amounts you enter in these parameters are used to calculate the amount of further boxes in the form.
- New configuration parameters: these new parameters enable you to enter your own information into your form.

## Technical Details

Type	Changed
Functional Localization	Localized for Spain
Scope Item	1J2 (Advance Compliance Reporting), J58 (Accounting and Financial Close)
Application Component	FI-LOC-FI-ES
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

If you need to create an incident regarding this feature, use component `XX-CSC-ES-FI`

## Effects on Existing Data

The new configuration parameters are also valid for the previous version of this report. That means: if you want to create new runs of the report provided by the previous version, you have to enter your data in the new configuration parameters as well.

## Effects on Customizing

The new version of the report is represented by the new activity keys [ES\\_VAT\\_DCL\\_M303\\_NAT\\_V1\\_S](#) and [ES\\_VAT\\_DCL\\_M303\\_NAT\\_V1\\_C](#), which are valid as of October 2019.

The new version comes with new configuration parameters, for which you need to provide values.

The list of these configuration parameters is available in Customizing activity [Setting Up Your Compliance Reporting](#). In the document for that activity, select the [Country/Region-Specific Settings](#) link and choose [Spain](#) [Enhanced](#).

## Related Information

[VAT Return - Form 303](#)



## 12.18 Switzerland

### 12.18.1 Finance

#### 12.18.1.1 QR-Bill in Accounts Receivable

With this feature, you can use a new payment slip type that replaces the inpayment slips (ISR). This new payment slip contains not only billing data, but also integrated payment details, a QR code, and a receipt. This new payment slip type is called QR-bill. The solution is now also available in the [Accounts Receivable](#) component.

#### Technical Details

Type	New
Functional Localization	Localized for Switzerland
Scope Item	Not applicable
Application Component	FI-LOC-FI-CH ( <a href="#">Financials Switzerland</a> )
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

The QR-bill contains the QR-IBAN number: the International Bank Account Number (IBAN) that identifies the vendor's international bank account number that is used during a payment transaction. The QR-IBAN contains the QR-IID (bank identification) in positions 5-9, using a number range from 30000 through 31999. QR-IBAN must be used for payments with a structured reference. The formal structure of this IBAN corresponds to the rules defined in ISO 13616.

#### Related Information

[QR-Bill](#)

## 12.19 Taiwan, China

### 12.19.1 Cross-Application Functions

#### 12.19.1.1 eDocument

##### 12.19.1.1.1 Donation Recipient

This feature enables you to enter a donation recipient in a business-to-consumer invoice or allowance.

#### Technical Details

Type	New
Functional Localization	Localized for Taiwan, China
Scope Item	BD9 (Sell from Stock)
Application Component	CA-GTF-CSC-EDO-TW (eDocument Taiwan)
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

When you select a business-to-consumer document and choose *Edit* in the *eDocument Cockpit*, a *Maintain e-Invoice Information* dialog box appears. Apart from carrier information, you can now enter a donation recipient in the new *Donated to* field in this dialog box. If you enter a donation recipient, then you can't print a invoice or allowance PDF file by choosing *Print*. If the *Donated to* field is left blank, you can print a invoice or allowance PDF file by choosing *Print*.

#### **i** Note

The *Donated to* field is available only when the *Donation Mark* setting is set to *Donation Invoice* in the customer master data.

#### Related Information

[eDocument for Taiwan, China](#)

## 12.20 Thailand

### 12.20.1 Finance

#### 12.20.1.1 Customer Withholding Tax Summary

Based on the customers' financial documents, you can now generate customer withholding tax summary. This summary helps you in generating a high level summary on the customer withholding tax postings.

##### Technical Details

Type	New
Functional Localization	Localized for Thailand
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-AP-AP-Q1
Available As Of	SAP S/4HANA 1909 FPS01

#### 12.20.1.2 Cash Flow Statement

You can use the [Run Compliance Reports](#) app to generate the cash flow statements that fulfill the requirements of the government in Thailand. You can use the direct method or indirect method and submit the report regularly as required by authorities.

##### Technical Details

Type	New
Functional Localization	Localized for Thailand
Scope Item	1J2 (Advance Compliance Reporting)
Application Component	FI-LOC-FI-TH (Financials Thailand)
Available As Of	SAP S/4HANA 1909 FPS01

## Related Information

[Cash Flow Statements](#)

### 12.20.1.3 VAT Return - PP30

After you run the VAT Return - PP30 report, besides two PDF files, the system generates a tab-separated TXT file, which provides a summary on business place level with the following information:

- No.
- Head Office/Branch No.
- House No.
- Post Code
- Sales amount
- Output tax
- Purchase amount
- Input tax
- Tax payable/Excess tax payable

## Technical Details

Type	Changed
Functional Localization	Localized for Thailand
Scope Item	1J2(Advance Compliance Reporting)
Application Component	FI-LOC-FI-TH(Finance)
Available As Of	SAP S/4HANA 1909 FPS01

## Related Information

[VAT Return - PP30](#)

# 13 Industries

## 13.1 Consumer

### 13.1.1 Agriculture

#### 13.1.1.1 SAP Agricultural Contract Management

##### 13.1.1.1.1 Fiori App for Manage ACM Trading Contracts

With this feature you can output current snapshot and change contract status using **Manage ACM Trading Contracts** app.

If data change is required before changing contract status, the app provides navigation to the relevant SAP GUI transactions where change of contract or pricing is possible.

This app is meant for traders. On FLP tile, it displays number of contracts in different statuses like *In Process*, *To be Approved* and *Waiting for Counterparty*. For ease of searching, adaptable filters (contract no./type/status, sales/purchase side, counterparty, material and so on) are provided.

### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-AGR-CC
Available As Of	SAP S/4HANA 1909 FPS01

### Effects on System Administration

The users who want to use this feature must have the following roles assigned:

- `SAP_BR_TRADER_ACM` (*Role for ACM Trader*)
- `SAP_ACM_CNTRCTWCS1_APP` (*Role for ACM Contract Workcenter - Fiori app*)

For more information about assigning roles, please see the [SAP S/4HANA UI Technology Guide](#).

## Related Information

[Manage ACM Trading Contracts](#)

[Manage ACM Trading Contracts - Contract Items](#)

### 13.1.1.1.2 Fiori App for Approve ACM Trading Contracts

With this feature you can approve or reject contracts using **Approve ACM Trading Contracts** app.

If data change is required before approving or rejecting, the app provides navigation to the relevant SAP GUI transactions where change of contract or pricing is possible.

This app is meant for traders. On FLP tile, it displays number of contracts in different types like [Sales Contract](#), [Purchase Producer Contract](#) and [Purchase Commercial Contract](#). For ease of searching, adaptable filters (contract no./type/status, sales/purchase side, counterparty, material and so on) are provided.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-AGR-CC
Available As Of	SAP S/4HANA 1909 FPS01

## Effects on System Administration

The users who want to use this feature must have the following roles assigned:

- [SAP\\_BR\\_TRADER\\_ACM](#) (*Role for ACM Trader*)
- [SAP\\_ACM\\_CNTRCTAQS1\\_APP](#) (*Role for ACM Contract Approval Queue - Fiori app*)

For more information about assigning roles, please see the [SAP S/4HANA UI Technology Guide](#).

## Effects on Customizing

The contracts in the relevant statuses, [To be Approved](#) and [To be Rejected](#), are identified based on the mappings maintained in the Customizing for [Logistics - General](#) under [Global Trade Management](#) >

[Agricultural Contract Management](#) > [Basic Settings](#) > [Maintain Application Status Group with respect to Application Status](#) (maintenance object /ACCGO/V\_STATUS).

## Related Information

[Approve ACM Trading Contracts](#)  
[Approve ACM Trading Contracts - Contract Items](#)

### 13.1.1.1.3 Fiori App for Review ACM Pricing

With this feature you can view the price fixation details along with assigned fees, pricing methods and CDOTE order details using **Review ACM Pricing** app.

If revision of pricing data is required, the app provides navigation to [Mass Pricing Workcenter](#) where you can carry out pricing related actions for selected contracts in one go.

This app is meant for traders. On FLP tile, it displays number of pricing lots in different statuses like [Flat Price](#), [NBE](#) and [NFE](#). For ease of searching, adaptable filters (contract no./type/status, pricing status/approach and so on) are provided.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-AGR-CC
Available As Of	SAP S/4HANA 1909 FPS01

## Effects on System Administration

The users who want to use this feature must have the following roles assigned:

- [SAP\\_BR\\_TRADER\\_ACM](#) (*Role for ACM Trader*)
- [SAP\\_ACM\\_PRCNGWCS1\\_APP](#) (*Role for ACM Pricing Overview - Fiori app*)

For more information about assigning roles, please see the [SAP S/4HANA UI Technology Guide](#).

## Related Information

[Review ACM Pricing](#)

### 13.1.1.1.4 Fiori App for Manage ACM Applications

With this feature you can reverse contract applications, link to contracts and manually select contracts using **Manage ACM Applications** app.

If data change is required, the app provides navigation to *Manual Application Workcenter* where you can maintain application documents.

This app is meant for operation clerks. On FLP tile, it displays number of documents in different statuses like *Finally Applied*, *Unapplied* and *Provisionally Applied*. For ease of searching, adaptable filters (document no./type/status, application instruction, LDC ID, counterparty and so on) are provided.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-AGR-APP
Available As Of	SAP S/4HANA 1909 FPS01

## Effects on System Administration

The users who want to use this feature must have the following roles assigned:

- `SAP_BR_OPERATION_CLERK_ACM` (*Role for ACM Operation Clerk*)
- `SAP_ACM_APPLWCS1_APP` (*Role for ACM Application Workcenter - Fiori app*)

For more information about assigning roles, please see the *SAP S/4HANA UI Technology Guide*.

## Related Information

[Manage ACM Applications](#)



## 13.1.1.1.5 Fiori App for Manage ACM Settlements

With this feature you can release settlement documents using **Manage ACM Settlements** app.

If data change is required before changing the status by releasing the settlement document, the app provides navigation to [Settlement Workcenter](#) where you can maintain settlement documents.

This app is meant for settlement clerks. On FLP tile, it displays number of settlement documents in different statuses like *Created* and *Invoiced*. For ease of searching, adaptable filters (settlement group ID/unit/category, year, scenario, ABD number, sales/purchase side and so on) are provided.

### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-AGR-STL
Available As Of	SAP S/4HANA 1909 FPS01

### Effects on System Administration

The users who want to use this feature must have the following roles assigned:

- SAP\_BR\_SETTLEMENT\_CLERK\_ACM (*Role for ACM Settlement Clerk*)
- SAP\_ACM\_STTLWCS1\_APP (*Role for ACM Settlement Workcenter - Fiori app*)

For more information about assigning roles, please see the [SAP S/4HANA UI Technology Guide](#).

### Related Information

[Manage ACM Settlements - Settlement Groups](#)

[Manage ACM Settlements - Settlement Units](#)

## 13.1.1.1.6 Fiori App for Approve ACM Settlements

With this feature you can approve or reject settlement groups using **Approve ACM Settlements** app.

If data change is required before approving or rejecting, the app provides navigation to [Settlement Workcenter](#) where you can maintain settlement documents.

This app is meant for settlement clerks. On FLP tile, it displays number of settlement documents in different statuses like [Created](#), [Invoiced](#) and [Released](#). For ease of searching, adaptable filters (settlement group ID/unit/category, year, scenario, ABD number, sales/purchase side and so on) are provided.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-AGR-STL
Available As Of	SAP S/4HANA 1909 FPS01

## Effects on System Administration

The users who want to use this feature must have the following roles assigned:

- [SAP\\_BR\\_SETTLEMENT\\_CLERK\\_ACM](#) (*Role for ACM Settlement Clerk*)
- [SAP\\_ACM\\_STTLAQS1\\_APP](#) (*Role for ACM Settlement Approval Queue - Fiori app*)

For more information about assigning roles, please see the [SAP S/4HANA UI Technology Guide](#).

## Related Information

[Approve ACM Settlements - Settlement Groups](#)

[Approve ACM Settlements - Settlement Units](#)

## 13.1.2 Retail and Fashion

### 13.1.2.1 Retail for Merchandise Management

#### 13.1.2.1.1 Assign Associates to Stores

With this app you can assign your own user and other users to stores. You can also display the store assignments of all users.

#### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-STO-FIO
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

#### Effects on Existing Data

The SAP Fiori app *Assign Associates to Stores* is assigned to the predefined roles *Retail Store Associate* and *Retail Store Manager* for the SAP Fiori launchpad.

For information about assigning roles, please see the [SAP S/4HANA UI Technology Guide](#).

#### Effects on System Administration

To use this feature, you need to activate the following business functions:

- Retail (ISR\_RETAILSYSTEM)
- Retail, Store & Multichannel (ISR\_RETAIL\_STORE)

For more information about these business functions, see [Retail](#).

## Related Information

[Assign Associates to Stores](#)

### 13.1.2.1.2 Move Products - Worklist

With this app you can display a worklist that indicates which products are to be moved from one storage location to another storage location.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-STO-FIO
Available As Of	SAP S/4HANA 1909 FPS01

## Effects on Existing Data

The SAP Fiori app [Move Products - Worklist](#) is assigned to the predefined role [Retail Store Associate](#) for the SAP Fiori launchpad.

For information about assigning roles, please see the [SAP S/4HANA UI Technology Guide](#).

## Effects on System Administration

To use this feature, you need to activate the following business functions:

- Retail (ISR\_RETAILSYSTEM)
- Retail, Store & Multichannel (ISR\_RETAIL\_STORE)

For more information about these business functions, see [Retail](#).

## Effects on Customizing

You make the settings relevant for the SAP Fiori app *Move Products – Worklist* in Customizing for *Logistics – General* under [► Store Operations](#) [► In-Store Merchandise and Inventory Management – UI5 Apps](#) [► Move Products](#) [► Worklist](#) [►](#).

## Related Information

[Move Products - Worklist](#)

### 13.1.2.1.3 Conversion of Material to Retail Single Article

In SAP S/4HANA system if you plan to convert the material master data into retail article master data, use program `RFM_CONV_MATERIAL_TO_ARTICLE` (Material to Article Conversion Report).

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-MD-ART (Article)
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

This report supplements the missing data for article master and maintain consistency across all the systems.

## Related Information

[Transfer and Distribution of Article Master Data](#)

## 13.1.2.1.4 Service Enhancements in Product Merchandise View – Replicate

With the asynchronous outbound service [Product Merchandise View – Replicate](#) ([ProductMerchandiseViewReplicationBulkRequest\\_Out](#)), you can send additional information such as product type code, informative characteristics, product usage type, sales price promotion ID point-of-sale (POS) systems.

### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-MD-ART
Available As Of	SAP S/4HANA 1909 FPS01

### Related Information

[Product Merchandise View – Replicate](#)

## 13.1.2.1.5 Application Logging

Message logging is enhanced with application logging function where system captures the progress of execution of the program. You can now filter out [Information](#), [Warning](#), [Error](#), and [Termination](#) messages by clicking the appropriate icons on the **Display Logs** screen.

### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	LO-RFM-MD-ART
Available As Of	SAP S/4HANA 1909 FPS01

## 13.1.2.2 Fashion and Vertical Business

### 13.1.2.2.1 Situation Handling in Supply Assignment

Situation handling enables you to bring important considerations or business critical situations to your end users' attention. Users are directed to situations and provided with contextual information and instructions on the actions required from their end, all in one place.

#### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-ARN
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

Business owners can monitor and improve business situation by extensive data tracking and analysis options provided in Supply assignment apps.

#### Effects on Customizing

You can activate *Situation* indicator in Customizing for *Cross-Application Components* under [▶ Advanced Available-to-ATP \(aATP\) ▶ Supply Assignment \(ARun\) ▶ Cross-Applications ▶ Sales Document Handling ▶ Define Supply Sorting Rules for Unassigning Orders ▶](#).

## Related Information

[Situation Handling in Supply Assignment](#)

### 13.1.2.2.2 Rule-Based Conversion in IFO Assignment

You can now automate IFO assignment process based on certain rules that can be preconfigured according to your business requirement. Use rule-based conversion process to change the supply assignment status of the requirement documents assigned to inbound deliveries to IFO assignment status (C). You can create outbound deliveries for the requirement documents even before the supply is received into physical goods once the supply assignment status is set to C.

#### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-ARN
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

In the rule-based conversion method, you have an option to include or exclude the physical stock assignments of the requirement document item before determining the appropriate supply assignment status of such assignments.

#### Effects on Customizing

You also have the option to introduce your business-specific validations and checks for the rule-based IFO assignment process by implementing the *BAdI: IFO Assignment Process* in Customizing ► [Cross-Application Components](#) ► [Advanced Available-to-Promise \(aATP\)](#) ► [Supply Assignment \(ARun\)](#) ► [Business Add-Ins \(BAdIs\)](#) .



## Related Information

[IFO Assignment](#)

### 13.1.2.2.3 Supply and Demand Cockpit in Supply Assignment

With the new Supply and Demand Cockpit app, you can visualize supply and demand overall situation. Data is displayed in the form of cards that are grouped together in a dashboard format.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-ARN
Available As Of	SAP S/4HANA 1909 FPS01

## Effects on System Administration

You can view the cards on this app based on the roles assigned to your user.

Use the following business catalog, group, and role to access the corresponding apps from SAP Fiori home page:

Business Group	Business Catalog	Business Roles
SAP_RFM_BCG_SUPPDEMND0VW	SAP_RFM_BC_SUPPDEMND0VW	<ul style="list-style-type: none"><li>SAP_BR_ORDER_FUL-FILLMNT_MNGR_R</li><li>SAP_BR_ORD_FULL-FILMNT_SPE_R</li></ul>

## Related Information

[Supply and Demand Cockpit](#)

## 13.1.2.2.4 Monitor Supply Assignment Demand

With this app you can monitor and analyze order and assignment details, overall processing status of the demand documents relevant for supply assignment. This application allows you to identify the situations based on quantity, amount, and status.

### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-ARN
Available As Of	SAP S/4HANA 1909 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](#)

## 13.1.2.2.5 Confirmation-Based Segmentation and Prioritization

You can enable this feature to assign the quantities based on the confirmed schedule lines that are in the selection range of BOP segment.

If you use confirmation-based segmentation and prioritization feature, the system sorts the requirement documents based on the confirmed schedule lines instead of requested schedule lines.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-ARN
Available As Of	SAP S/4HANA 1909 FPS01

## Effects on Customizing

You can activate confirmation-based segmentation and prioritization feature through the Customizing Cross-Application Components under [► Advanced Available-to-Promise \(aATP\) ► Supply Assignment \(ARun\) ► General Settings for Supply Assignment ► Enable Confirmation-Based Segmentation and Prioritization ►](#).

## Related Information

[Confirmation-Based Segmentation and Prioritization](#)

## 13.1.2.2.6 Data Management in Fashion

New data destruction objects have been added to Fashion and vertical business. You can use the data destruction objects that are delivered to delete or destroy logs created by an specific application.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	LO-RFM-ARN LO-RFM-SD LO-RFM-PUR LO-RFM-SGT-MD
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

Use the data destruction object `RFM_DRS_ALIGNMENT_DESTRUCTION` to delete the alignment job logs created using the **Schedule Alignment** app.

Use the data destruction object `ARUN_RC_RUN_DESTRUCTION` assigned to the data destruction program `ARUN_RC_RUN_DES` for to destroying the release check run result logs created using **Configure Release Check Variant** app.

You can execute the data destruction program using the transaction `ILM_DESTRUCTION` (Data Destruction). When you execute the program, all entries in the tables that are defined in the data destruction object are destroyed.

For Segmentation, **Define Default Segment Values** (transaction `SGT_DEFAULT`) provides an end of purpose (EoP) check to determine whether the business partner data is still relevant for business activities in the application or can be blocked.

## Effects on System Administration

To use this feature, you need to activate the business function `ISR_RETAILSYSTEM`.

For more information on the business function, see [Retail](#).

## Related Information

[Data Management in Fashion](#)

### 13.1.2.2.7 Enhancements in Sales Contract API

With this feature you can use the newly added quantity parameters to handle the open quantity scenarios for sales contract items for SAP S/4HANA for fashion and vertical business in the following sales contract API:

- `A_SalesContractItem`

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-SD
Available As Of	SAP S/4HANA 1909 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

[API\\_SALES\\_CONTRACT\\_SRV - A\\_SalesContractItem](#)

### 13.1.2.2.8 Enhancements in OData API for Alignment of Purchase Requisition Item to Purchase Order Item

With this feature you can use the newly added quantity parameters to manage the alignment process even when there is a supply shortage. Here, you can align a purchase order item whose quantity is lower than the quantity of the purchase requisition item quantity.

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	LO-RFM-PUR
Available As Of	SAP S/4HANA 1909 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

[OData Service for Alignment of Purchase Requisition Item to Purchase Order Item](#)

## 13.1.2.2.9 Manage Excess Requirements

With this transactional application you can view and manage excess requirements that is left over due to stock shortage for sales orders, stock transport orders, Fashion contracts and account assigned sales orders (TPO/PTO).

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-PUR LO-RFM-SD
Available As Of	SAP S/4HANA 1909 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 Role
SAP_RFM_BCG_ORD_FLFMT_SPE	SAP_RFM_BC_ORD_FLFMT_SPE	SAP_BR_ORD_FULLFILMNT_SPE_R

## Related Information

[Manage Excess Requirements](#)  
[Manage Excess Requirements App](#)

### 13.1.2.2.10 Enhancements in Alignment of Account Assigned Purchase Requisitions to Purchase Orders

With this feature you can now define the minimum percentage of the open quantity that a purchase order item is to contain in relation to the requested quantity of the selected purchase requisition item before it can be proposed for alignment.

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-PUR
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

You can now align all subitems that are grouped under the same structured article (BOM) in a sales order, when the subitems are received through the purchase order items.

## Effects on System Administration

To use this feature, you need to activate the business function ISR\_RETAILSYSTEM.

For more information on the business function, see [Retail](#).

## Effects on Customizing

In the **PO Workbench**, changes are made to define the minimum percentage of the open quantity and to align all subitems that are grouped under the same structured article (BOM) in a sales order.

To use **PO Workbench**, on the *SAP Easy Access Retailing* (transaction `w10M`) menu, choose **Cross-Application Functions** > **Materials Management** > **Purchase Order Mass Maintenance** . You can also directly access the report using the transaction `FSH_PWB`.

You use the **Quantity Fulfillment %** field on the **Conditions** tab to define the minimum percentage of the open quantity. You use the **Align All Subitems of a Generic Article / BOM** checkbox to now align all subitems that are grouped under the same structured article (BOM) in a sales order. These two fields are available under the **Alignment** option of the PO Workbench.

These fields are also available in the **Schedule Alignment** app.

## Related Information

[Alignment of Account Assigned Purchase Requisitions to Purchase Orders Schedule Alignment](#)

### 13.1.2.2.11 Enhancements in VAS Plant Capability

You can now set a suitable delivery block (set at schedule line level of a sales document item) or a reason for ordering (maintained at item level in case of stock transport orders) if the plant at the document item does not have the operational capability to service the necessary requested VAS data.

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	LO-RFM-SD LO-RFM-PUR
Available As Of	SAP S/4HANA 1909 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](#).

## Effects on Customizing

Select the **Enable VAS Plant Capability Check** checkbox to enable this feature.

For sales documents, you use the **Delivery Block** field in Customizing for *Sales and Distribution* under [▶ Sales Documents ▶ Sales Document Header ▶ Maintain Sales Document Types for Fashion Management ▶](#).

For stock transport orders, you use the **Reason for Ordering** field in Customizing for *Material Management* under [▶ Purchasing ▶ Purchase order ▶ Set up stock transport order ▶ Maintain Document Type and Supplying plant for Fashion Mgmt. ▶](#)

## Related Information

[VAS Plant Capability](#)

## 13.2 Energy & Natural Resources

### 13.2.1 Oil & Gas

#### 13.2.1.1 Integration of TSW Events with SAP Commodity Management

This feature enables you to set up contracts where Commodity Pricing Engine (CPE) is enabled and need a reference date to fetch the price quotations from the market. These quotations are the source of the price determined by CPE.

To ensure full integration with SAP Oil & Gas, an industry specific routine can now be used for CPE Reference Date determination which takes into consideration the TSW event dates.

There can be different TSW events maintained in nominations or tickets and each event can also have a date associated to it.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-OIL-DS
Available As Of	SAP S/4HANA 1909 FPS01

### 13.2.1.2 Integration of QCI with SAP Commodity Management

With this feature you can use the new quantity conversion routine and source in Commodity Pricing Engine (CPE) to ensure full integration with SAP Oil & Gas. The purpose is to provide quantity conversion based on IS-OIL O3Defaults for Contract/Order and QCI (Quantity Conversion Interface) actuals for all inventory related transactions.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-OIL-DS
Available As Of	SAP S/4HANA 1909 FPS01

## 13.2.2 Utilities

### 13.2.2.1 SAP Waste & Recycling

#### 13.2.2.1.1 Opening Times for Waste Disposal Facilities and Container Locations

You can use this feature to maintain opening and closing times for waste disposal facilities and container locations as follows:

- Choose between the rules *Weekly periodic opening times* and *No opening times on*.
- Combine different rules for opening and closing times.
- Provide further details, such as week rules (every how many weeks) or specific days.
- Add exceptions, such as *Not on non-working days*.
- Maintain a calendar to be used, such as factory or holiday calendars.

#### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-UT
Available As Of	SAP S/4HANA 1909 FPS01

### 13.2.2.2 Contract Billing

#### 13.2.2.2.1 Product Integration

##### 13.2.2.2.1.1 Utilities Product Integration Layer

This feature enables you to use an interface to the SAP S/4HANA Utilities solution to automate the translation of a commodity product defined in an external system into billing master data and sales master data in SAP S/4HANA Utilities. You can use your existing rate categories, billing schemata, rate types, and rate fact groups by way of a framework that enables flexible mapping between rate operands of SAP S/4HANA Utilities and the product attributes. The mapped product attributes are stored as operand values.

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-U-BI-PI (Utilities Product Integration Layer)
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

- Enables product managers to create commodity products without dependency on IT billing experts
- Shortens the time to market for new commodity products by automating the manual steps required in SAP S/4HANA Utilities
- Enables intuitive integration of external product modeling tools into SAP S/4HANA Utilities

## Effects on Customizing

In Customizing, you can define the mapping of time-sliced commodity product attributes to billing master data. For more information, see Customizing for [Define Mapping of Commodity Product Attributes to Billing Master Data](#) under [SAP Utilities > Contract Billing > Product Integration](#).

The new Business Add-In (BAI) [Installation Facts Preparation](#) was added to Customizing. For more information, see Customizing for [BAI: Installation Facts Preparation](#) under [SAP Utilities > Contract Billing > Product Integration > Business Add-Ins \(BAIs\)](#).

The new Business Add-In (BAI) [Installation Structure Update](#) was added to Customizing. For more information, see Customizing for [BAI: Installation Structure Update](#) under [SAP Utilities > Contract Billing > Product Integration > Business Add-Ins \(BAIs\)](#).

The new Business Add-In (BAI) implementation [Installation Structure Update](#) was added to Customizing. For more information, see Customizing for [Implementation: Installation Structure Update](#) under [SAP Utilities > Contract Billing > Product Integration > Business Add-Ins \(BAIs\)](#).

## Related Information

[Utilities Product Integration Layer](#)

## 13.2.2.2.1.1.1 OData APIs – Utilities Product Integration Layer

The feature for the OData API for commodity product definition has been changed to enable you to define time-sliced products attributes. The feature for the OData API for Billing Simulation has been changed to enable you to simulate billing of commodity products that have up to two registers.

### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-U-BI-PI (Utilities Product Integration Layer)
Available As Of	SAP S/4HANA 1909 FPS01

### Related Information

[Utilities Product Integration Layer](#)

## 13.3 Financial Services

### 13.3.1 Banking

#### 13.3.1.1 Collateral Management (FS-CMS)

##### 13.3.1.1.1 Business Partner Total Commitment

With this feature, you can display a list of all active collateral agreements for a business partner by using the [Total Commitment](#) report.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-CMS
Available As Of	SAP S/4HANA 1909 FPS01

### 13.3.1.1.2 Change of Administration Organizational Unit

With this feature, you can change the administration organizational unit and bank area of collateral agreements or collateral objects.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-CMS
Available As Of	SAP S/4HANA 1909 FPS01

### 13.3.1.1.3 Use of Security Accounts

With this feature, you can decide whether you want to charge a complete security account or only some positions of a security account.

## Technical Details

Type	Changed
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Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-CMS
Available As Of	SAP S/4HANA 1909 FPS01

### 13.3.1.1.4 Change Requests

With this feature, changes are not visible until and unless a change request is released. Old and new values are displayed in the inbox of SAP Workplace when using a second user ID.

#### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-CMS
Available As Of	SAP S/4HANA 1909 FPS01

## 13.3.2 Insurance

### 13.3.2.1 Policy Management

#### 13.3.2.1.1 Contract Changes with Open Benefit Cases

You can now make the following changes to contracts even when there are open benefit cases for the contract:

- Changes that result in the update of annuity values in an open benefit case
- Contract changes that cause the inclusion of a coverage with an open benefit case

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PM (Policy Management)
Available As Of	SAP S/4HANA 1909 FPS01

## Related Information

[Update of Annuity Values with Open Claims/Benefit Cases](#)  
[Retroactive Creation of Coverages](#)

### 13.3.2.1.2 Naming Convention and Creation Rules for IMP Queues

The names of the qRFC queues have been adjusted in such a way that a separate queue is now created for each policy.

Previously all RFC calls from SAP Policy Management (FS-PM) to SAP Claims Management (FS-CM) were stored in the same queue. Now the queue name also contains the policy number, which allows easy traceability in the event of an error.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PM (Policy Management)
Available As Of	SAP S/4HANA 1909 FPS01



### 13.3.2.1.3 CIC Adjusted to Updates in Procedure Manual 4.15

With this function you can use *Change of Insurance Certificate Management* (CIC Management) according to the changed statutory specifications of the "Gesamtverband der Deutschen Versicherungswirtschaft (GDV)" (English: German Insurance Association).

#### Technical Details

Type	Changed
Functional Localization	Localized for Germany
Scope Item	Not applicable
Application Component	FS-PMA
Available As Of	SAP S/4HANA 1909 FPS01

#### Additional Details

##### Additional Claim-Free Levels (CF Levels)

Claim-free levels 45 to 99 have been added to the existing C/CF levels.

##### Check Rule 7 Added for Business Notifications Related to CIC Process

The discount base year must be smaller than or equal to the current year+1. The specified value must also be greater than 1900.

### 13.3.2.1.4 Changes to Registration Communication Austria KFA Version 6.0 V1.3

With this function you can use *Registration Management Austria* according to the changed legal requirements for data exchange with insurance companies and with the Bundesanstalt für Statistik Österreich (Austrian statistical office), KFA version 6.0 V1.3.

## Technical Details

Type	Changed
Functional Localization	Localized for Austria
Scope Item	Not applicable
Application Component	FS-PMA
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

### New Registration Functions

The following registration functions were added:

- 35 - ERI Exemption Recognized
- 36 - ERI Exemption Ended
- 37 - ERI Exemption Revoked

### Change to Record Type 1

A new field *ERI Exemption Recognized* (1-character) was added.

### Change to Record Type 12

A new field *Internal Data* (25-characters) was added.

## 13.3.2.1.5 Policy Management Available in Japanese

Policy Management is now available in Japanese.





## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-PM

## 13.3.2.2 msg.PMQ

### 13.3.2.2.1 Improvements of the Business Interfaces

The following contents have been added to the functional scope of the Business Interfaces:

- In the detail window of the Business Product Editor (BPE), the number of lateral values is now displayed with an icon on the tab. The icon also immediately shows whether the property tab is a lateral tab or a property tab.
- The reference view can now be opened from the Product Explorer, the context menu of the main window (BPE) as well as the title menu of the detail window (BPE). The action is only active if exactly one product module is selected. References for newly created product modules can only be displayed after they have been saved.
- The comparison editor can now be opened from the product explorer, the context menu of the main window (BPE) and the title menu of the detail window (BPE).
- Copy and paste of product modules is now possible within the BPE. The **Copy** as well as the **Paste** action are available in the context menu of business product modules in the context menu of business product modules in the Product Explorer. In addition, structures can now also be added using the **Insert Structure...** action.
- Using drag and drop, one or more product modules from the PMQ Explorer, the Project Explorer or the Product Explorer can be dragged into the BPE. This creates a connection between the target and the product component drawn onto it. The action is only active if a valid connection can be established for each product module.
- To simplify navigation, a permanent synchronization between Explorer and Editor can now be activated. To set this function, the **Link with Editor**  button is available in the Explorer's view-specific menu. In the BPE, an analog but unique synchronization of the selected product module or lateral module with the Explorer views can also take place. For this purpose, the action **Link with Explorer**  can be executed in the context menu.
- You can store settings in the BPE configuration using DEFINE SETTINGS.
  - In addition to the default storage strategy, you can now select other customer-specific storage strategies for packages and folders. The SET STORAGE\_PACKAGE\_STRATEGY and SET STORAGE\_FOLDER\_STRATEGY setting have been added to the BPE configuration file.
  - The Business Product Editor now supports the display of comments on business product modules as well as on attributes and methods. You can activate the display of comments in the BPE configuration file using the SET FEATURE\_NOTICE\_SUPPORTED setting. You can display and change comments on business product modules in the detail view of the BPE. Comments on attributes and methods are displayed in the tooltips.
- Validation messages (warnings and errors) are now displayed in the BPE if they have business relevance. In the main and detail windows, the object is displayed using decorators. You can navigate between the decorators using the buttons  and  in the title bar of the BPE.
- In the detail view of the BPE, lateral objects can now be expanded and collapsed. You can do this manually by clicking on the control in the header line of the respective component. You can also select the following

display modes in the context menu of the component: Mode: Free, Mode: One visible lateral, Expand all and Collapse all.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM(msg.PMQ)
Available As Of	SAP S/4HANA 1909 FPS01


### 13.3.2.2.2 Visual Highlighting of Project Levels during Object Selection

With this feature you can select new objects to be referenced and display existing object references, by displaying the project or library in which the selected object is located by means of a color highlighting. In the menu User Preferences/PMQ/Color Highlighting namespace color assignments can be created and managed.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Available As Of	SAP S/4HANA 1909 FPS01

### 13.3.2.2.3 Improved Management of Test Results

The new PMQ Test Results view enables you to display all the test results for a workspace in a clearly structured form. It offers functionalities for opening and deleting existing results. It can be opened via the Open Test Results  button in the title bar of the editors for test structures, test cases and test results. The

corresponding element is selected in the tree view. If no test results are available, the first available package or project is selected.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Available As Of	SAP S/4HANA 1909 FPS01

### 13.3.2.2.4 Improvements of M10

The previous functions for auto-completion and hover display for M10 editors of PMQ.Designer have been extended.

The following elements are now supported by auto-completion:

- System types
- Constructors (objects, structures, system types)
- Table functions (e.g. min, max, unique)
- Special attribute/method properties (e.g. min, max, exec, default)
- Attributes/methods declared by uses productmodule
- Parameter variables of user exit calls
- Statically known overwritable variables of formula calls

Furthermore, information about the following elements is now displayed by hover:

- System types and their fields and methods
- Constructors (objects, structures, system types)
- Table functions (e.g. min, max, unique)
- Special attribute/method properties (e.g. min, max, exec, default)

In addition, it is now possible to comment in or out all selected source code lines in M10 editors. The new action is executed with the key combination CTRL+7.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Available As Of	SAP S/4HANA 1909 FPS01



### 13.3.2.2.5 Setting the Expansion Level for the Editor View

This feature enables you to set an expansion level between 0 and 5 for editor views with tree structures. When the view is opened, the tree structure is expanded up to the set level. The expansion level can be configured separately for the editor views of product module types, product modules, functions, test structures, test cases, test results and profiles.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Available As Of	SAP S/4HANA 1909 FPS01

### 13.3.2.2.6 Expand in the Hierarchy and Structure View

This feature enables you to show and hide all entries completely in the hierarchy and structure view. To do this, click on  or  in the view-specific menu. To improve performance, the expand action ends after five seconds, but can be continued by executing the action again.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Available As Of	SAP S/4HANA 1909 FPS01

### 13.3.2.2.7 Improved Refactoring for Types and Product Modules

Refactoring has been improved by the following operations. It does not matter whether the refactoring was triggered immediately by a user action or subsequently by a headless command:

- If a new element is created, the system searches for local elements with the same signature in the derived objects. The signature consists of the type, name, data type and dimension of the element. The local elements found are marked as overwritten. Identical properties are inherited from the newly created (basic) element.
- If the data type and / or the dimension of an attribute or method is changed at product module type level, then refactoring of the associated elements at product module level is only performed if they do not have the corresponding data type or dimension yet. The refactoring is now also performed if the element has been renamed at the type.

The downstream refactoring was improved as follows:

- If a template or product module is renamed or moved, the corresponding references are adjusted. Exceptions to this are references that were created using the restriction type PMQ Object.
- If attributes or methods on product modules, templates, or product module relations are renamed, their derivatives are also renamed.
- A message now also appears in the log output if no refactoring operations are necessary for the changed object.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable

Application Component	FS-MPM (msg.PMQ)
Available As Of	SAP S/4HANA 1909 FPS01

### 13.3.2.2.8 PostgreSQL Support

This feature enables you to use the database management system PostgreSQL. To use PostgreSQL, a connection profile of the same name must be configured in the data source explorer. The connection profile requires a PostgreSQL driver. This driver can be created via New driver definition during connection setup or in the [► Preferences ► Data management ► Connectivity ► Driver definition menu](#) . After setting up the connection, the PostgreSQL database can be used in external database tables. PMQ object data export for PostgreSQL also allows you to create specific DDL and DML scripts.

#### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Available As Of	SAP S/4HANA 1909 FPS01

### 13.3.2.2.9 Improvements for Table Difference Projects

This feature enables you to perform repeatable table comparisons to improve the usability of table difference projects. Previously, a new table comparison could only be performed by creating a new difference project. This quickly leads to a large number of projects. The **Repeat table data comparison** action is now available in the context menu of a difference project. The existing difference tables are removed, the table differences are determined again and stored in a difference table. Only those tables are compared which were also available as difference tables before the action in the difference project.

In addition, the option **Allow only one difference project per source and target project** is available in the [► Preferences ► PMQ ► Table Comparison menu](#) . If this option is selected, the system first checks whether a difference project already exists for the selected source and target projects. If a project exists, it is used to collect the differences. If the table comparison is started via the source project and the option is activated, all existing difference tables are deleted first. The tables selected for the comparison are then created in the difference project if differences are found.

The transfer of table differences has also been simplified. The new action **Transport Table Data Changes...** is now available in the context menu of the difference project. When you execute the action, the differences of the



difference tables are transferred to the determined target database. The target database is determined from the connection information of the tables in the target project.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Available As Of	SAP S/4HANA 1909 FPS01

### 13.3.2.2.10 Configuring the Conformance Level of the Java Compiler in Deployment

This feature enables you to define the conformance level of the Java compiler via deployment configuration. For newly created configurations, the lowest possible conformance level is set by default, but this matches the currently used Java version of PMQ.Designer.

Background of the definition possibility is, because QAR files contain compiled Java code in addition to the actual product data. The Java runtime of msg.PM supports Java 6 and higher. Within the QAR deployment, Java code that is at least compatible with Java 6 has been generated so far.

With the help of the compiler of Java 12 only code for Java 7 and higher can be generated. Customers who want to continue using Java 6 for the Java runtime of msg.PM have to use Java 11 or smaller for deployment (and thus for PMQ.Designer).

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Available As Of	SAP S/4HANA 1909 FPS01

## 13.3.2.2.11 Headless Command for Consolating Overwrites

With the new headless command `CleanRedundantOverrides` you can search for and clean up unnecessary overwrites. With the parameter `path` a project, package or PMQ object can be specified. The optional parameter `dryRun` has to be specified in order to only recognize and list unnecessary overwrites on inheritable and extensible objects (without cleanup).

### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Available As Of	SAP S/4HANA 1909 FPS01

## 13.3.2.2.12 Headless Commands to Add new UI Languages

This feature enables you to add additional languages with the help of two new provided headless commands. The user interface of PMQ.Designer is currently available in English and German.

The command `ExportLocalizationData` first transfers all translation-relevant files to the specified target directory. These files must be translated into the required language using a text editor or a special translation tool. A partial translation is possible.

The `GenerateLocalizationFragments` command packages the translated files into new JAR files. These must be copied into the `dropins` directory (below the installation directory) of PMQ.Designer.

When PMQ.Designer is started with the `-nl <Language>` parameter, the translations are loaded.

### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)

### 13.3.2.2.13 Support of new CAIMAN Versions

With this feature you can select the current CAIMAN versions in the SAP edition of PMQ.Designer.

The following table illustrates the new assignment of the integrated binary versions of CAIMAN:

Component	Technical name	CAIMAN version
FS-PM 5.3	FSPM_53	34101.50.2 'Delta Force'
FS-PM 5.4	FSPM_54	34130.54 'Delta Force'
S/4HANA 1709	INSURANCE_802	34140.54 'Delta Force'
S/4HANA 1809	INSURANCE_803	34140.54 'Delta Force'
S/4HANA 1909	INSURANCE_804	34140.54 'Delta Force'

### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Available As Of	SAP S/4HANA 1909 FPS01

### 13.3.2.2.14 Error Corrections and Usability Improvements

The following features fix smaller issues:

- **PMQ.Designer**
  - The quick fix to align the key of a table with the key of the corresponding structure type was incorrect and incomplete. This has been fixed.
  - When opening an editor, the last used view (including all column settings) is now restored correctly.
  - The column contents in the layout view of the table editor were inconsistent with those of other editors in PMQ.Designer. This has been fixed.
  - When changing the data type of a product module type attribute, the values of the corresponding product module attributes are now converted to the new data type if possible.

- When exporting and re-importing QAR files into PMQ.Designer, business configurations for the business product editor (BPE) were not recognized. This has been fixed.
- If PMQ.Designer was used without SVN connectors installed, SVN-specific error messages were displayed in the log file of the workspace. This has been fixed.
- PMQ.Designer supports version 18c of the Oracle database management system.
- In the tab Overrides in the properties view it could happen that the default value was not displayed correctly. This has been fixed.
- Performance problems could occur when editing configuration files for the business product editor. These were corrected.
- When merging scalar string values in the team comparison editor a 'ClassCastException' could occur. This has been fixed.
- When cleaning up unnecessary overrides, inconsistent states of overwrite groups were not taken into account. This has been corrected.
- When cleaning up unnecessary overrides, subentries of enumeration extensions were deleted if they were overwritten.
- When moving product components by drag & drop, endless loops could occur. This has been fixed.
- After removing redundant overrides, the following error message could occur: "The name of the relation "REFERENCE NAME" is overwritten, but not the target. Automatic name assignment is not permitted in this constellation." This validation is unnecessary and has been removed.
- The performance during the validation of product components has been improved.
- The name of product module instances was not displayed correctly in the title of the properties view. The error occurred in both the test structure and test case result editors.
- The compatibility checks of data types/dimensions for calculation functions and methods have been revised. Additional messages may therefore be displayed in the Problems view.
- The following adjustments have been made in the Inheritance Status section of the search dialog:
  - The interface texts have been revised.
  - The checkbox "Consider Inherited Properties" could be selected even if the status "Overridden" was not selected. This has been fixed.
  - If all checkboxes in the Inheritance Status section were deselected, the search action could be executed but did not produce a result. Now the message "No inheritance status was selected. The search does not find any results." is displayed.
- When creating table restrictions, performance problems occurred when using contents with a lot of tables. This has been fixed.
- Under certain conditions (folder structure), the subsequent refactoring did not consider attributes whose type property was changed from optional to not optional.
- Changing the data type of attributes caused a refactoring problem that prevented files from being opened. The refactoring was extended and a new quick fix was added.
- In CDATA blocks there may have been different line endings. Both when reading and writing CDATA blocks (saving XML files), the line ends are now set to match the current operating system.
- Improvements have been made in the context of referencing to relations. This avoids inconsistencies for relations in product modules and product module types. To do this, it is necessary to update the product data in the workspace (context menu of the project **Update product data/Update all files**).
- Similar to the "Open PMQ objects" dialog, the drop-down menus and selection dialogs now also display the duplicate entries, extended by the full qualified name.
- In the product module editor, the column Product module was missing in the view List. This has been fixed.

- The structure copy could not be started if tables were be copied in the subtree to be copied which had cells with null values based on a PMQ object restriction. This has been fixed.
- When exporting arrays, the file name in the corresponding dialog is now preset with the name of the selected array.
- The creation and renaming of fields to structure types led to incorrect behavior. This has been fixed.
- The import of PM3 test instances with overwritten relations was corrected.
- The performance for opening the product module editor has been improved.
- In the PMQ debugger there was an unnecessarily high memory consumption when the view Instance was open. This has been fixed.
- erformance problems occurred when switching between List and Structure view in the test result editor. This has been fixed.
- **POTATO**
  - The import of aggregated product modules may have terminated with an error 'java.lang.StackOverflowError'. This has been fixed.
  - Labels on time-controlled product modules were not imported. This has been fixed.
  - During the POTATO import some properties (e.g. tags) were changed, although there were no columns in the corresponding Excel. This has been fixed.
  - When exporting product data to Excel with POTATO, the export process aborted if tables contained NULL values. This has been fixed.
  - When importing split Excel exports, an error message occurred when ProductModuleTypeAndRelation was used as the splitting child for the export. This was fixed.
  - If new relations were created using import, this only worked if the PM ID of the source product module was specified. Now the project name and qualified name of the product module are sufficient.
  - The import of large quantities of aggregated product modules caused a drop in performance. This has been corrected.
  - The override status of overridden tags on product modules was reset during import. This has been corrected.

## Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Available As Of	SAP S/4HANA 1909 FPS01

## 13.3.2.2.15 Data Type Decimal

This feature enables you to display 34 significant decimal positions exactly. The new data type Decimal represents a value range from  $-1.0E+6144$  to  $-1.0E-6143$ , 0,  $1.0E-6143$  to  $1.0E+6143$ . Like the Float data type, Decimal is a floating-point data type, but uses a decimal representation internally.

Furthermore Decimal can be used wherever Float is currently used. This concerns in particular the use as return type of formulas, functions and user exits, the use as type of variables, tables, table columns, structure (type) fields, (type) attributes and (type) methods.

The new data type Decimal is initially only introduced in the Java runtime and in PMQ.Designer. The introduction to C runtime will take place in a later release.

The implementation of the new data type also results in changes for the formula language M10:

- Implementation of a new built in function `toDecimal()`. It converts scalar values of type Decimal, Float, Integer, String, Date and Boolean into scalar values of type Decimal.
- The built in function `setFloatComparePrecision` is set deprecated as of this release.

### Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Available As Of	SAP S/4HANA 1909 FPS01

## 13.3.2.2.16 Configurable Template and Product Module Type Icons

With this feature you can display the icons that can be configured for the product module type in different colors for different object types. The icon for the product module is defined by the user, the icon for the type is automatically grayed out and the icon for templates is displayed lighter.

The following example illustrates the adapted coloring of user-specific icons for the product module, product module type and template:

Product module	Product module template	Product module type
		

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Available As Of	SAP S/4HANA 1909 FPS01

### 13.3.2.2.17 Display of the PM ID in the Editor Title

This feature enables you to display the PM ID of an object in the title bar of the editor. This can be configured in the preferences with the option **Display PM ID in editor title** (menu ► [Window](#) ► [Preferences](#) ► in the group **PMQ/Display**). This option is not set by default.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Available As Of	SAP S/4HANA 1909 FPS01

### 13.3.2.2.18 Display of Sales and Validity Date in Test Structure Editor

This feature enables you to display the higher-level sales date and validity date in the title bar of the test structure editor. In the structure view of a test structure, you can also display corresponding columns for the sales date and validity date.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Available As Of	SAP S/4HANA 1909 FPS01

### 13.3.2.2.19 Possibility to Select Customer-Specific Plugins

With this feature you can now activate or deactivate customer specific plugins in the current workspace in the preferences (menu ► [Window](#) ► [Preferences](#) ►) in the group **PMQ/Customer-Specific Builder**. To display all plugins available when PMQ.Designer is started, the plugins can usually be stored as JAR files in the dropins directory (below the installation directory) of PMQ.Designer.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	FS-MPM (msg.PMQ)
Available As Of	SAP S/4HANA 1909 FPS01

## 13.4 Public Services

### 13.4.1 Defense & Security

#### 13.4.1.1 Authorized Personnel

You can use this app to efficiently manage your positions.



You can:

- Create positions that are either assigned to a force element or are independent of this.
- Maintain the position master data and use status management
- Assign jobs, qualifications, and persons
- Navigate from the position to the force element and back
- Maintain the chief and deputy position

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-DFS-OF-FE
Available As Of	SAP S/4HANA 1909 FPS01

### 13.4.1.2 Organizational Measure

You can select measure folders in the [Manage Organizational Measures](#) app, which are used to create force elements and organizational structures, and to perform object assignments and data updates.

You can:

- Search for organizational measures using different criteria
- See an overview of the organizational measure details (main details, list of subfolders, change log)
- Select a measure to use

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-DFS-OF-COM
Available As Of	SAP S/4HANA 1909 FPS01

### 13.4.1.3 Flexible Material Planning Object

*Manage Flexible Material Planning Object Hierarchy* is an application that the **Master Data Specialist - Authorized Material Data** can use to see a clear hierarchical view of the flexible material planning objects (FMPOs).

Using the application you can:

- Display FMPOs in a hierarchy with their parent-child relationships
- Create and delete parent-child relationships
- Navigate to the Manage Flexible Material Planning Object app

#### Technical Details

Type	Changed
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	IS-DFS-OF-FMP
Available As Of	SAP S/4HANA 1909 FPS01

### 13.4.2 Healthcare

### 13.4.3 Higher Education and Research

### 13.4.4 Public Sector

#### 13.4.4.1 Funds Management

#### 13.4.4.2 Public Sector Management

#### 13.4.4.3 Investigative Case Management

##### 13.4.4.3.1 Enable ICM for SAP S/4HANA

This feature enables you to maintain investigative data across different entities of the investigative case management. This includes cases, leads, persons, organizations, activities, incidents, locations, objects and

emails along with relations to bind these entities. An out of the box Fiori business role delivers apps required for the role of an administrator and a criminal investigator.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IPS-ICM
Available As Of	SAP S/4HANA 1909 FPS01

## Additional Details

ICM uses the WebClient UI framework in integration mode as no classic backend business roles are delivered. The web-client-based applications are integrated into apps and these apps are available in the Fiori frontend role of ICM.

For more information, refer to the Customizing under [▶ Service](#) [▶ Industry-Specific Solutions](#) [▶ Public Sector](#) [▶ Investigative Case Management](#) [▶ General Settings](#) [▶ UI Framework](#) [▶](#)

Refer to the additional release information mentioned in the ICM [2748464](#) [🔗](#).

## Effects on Customizing

You make the settings for different ICM entities in Customizing for *Investigative Case Management* under [▶ Service](#) [▶ Industry-Specific Solutions](#) [▶ Public Sector](#) [▶ Investigative Case Management](#) [▶](#).

### 13.4.4.3.2 Provide Fiori UX for ICM

With this feature you can enable the SAP Fiori user experience (UX) for investigative case management entities ICM Objects and ICM Locations.

## Technical Details

Type	New
Functional Localization	Not applicable
Scope Item	Not applicable
Application Component	CRM-S4-IPS-ICM
Available As Of	SAP S/4HANA 1909 FPS01

## Related Information

[Manage Objects](#)



[Manage Locations](#)

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