SAP Enhancement Package 2 for SAP Supply Chain Management 7.0 SP 13
Release Notes
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              Collaboration 2 (New)
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<tr>
<td>1.6.29.1</td>
<td>SCM_SNC_GEN_2: Business Function Supply Network Collaboration 2 (New)</td>
</tr>
</tbody>
</table>
1 SCM

Supply Chain Management
1.1 SCM-APO  Advanced Planning and Optimization
1.1.1 SCM_APO_HOME_PAGE: Business Function SCM-APO, Planner's Home Page (New)

Use

As of enhancement package 2 for SAP Supply Chain Management (SAP SCM) 7.0, the business function SCM-APO, Planner's Home Page (SCM_APO_HOME_PAGE) is available. With this business function, you can use the planner's home page which has the following features:

- It is a personalizable start page that you as a supply chain planner can use to display the information that is necessary to understand the priorities of your everyday tasks.
- It contains an alert overview which shows queries of alerts, and allows you to navigate to the details of the alerts. From the alert detail page you can navigate to the APO applications, taking the context information of one or more alerts.
- It displays your favorite selections, favorite reports or favorite objects, and allows you to navigate to the respective interactive transactions in APO or to other applications to work on the data.

The planner's home page is a Web application that you can call up in SAP NetWeaver Business Client 3.5 for Desktop and from your user menu in SAP GUI.

As of Support Package 5 for enhancement package 2 for SAP Supply Chain Management (SAP SCM) 7.0, Supply Network Planning and Demand Planning KPIs in the My Objects content block can be displayed in the form of sparklines. For more information, see the SAP Library for SAP Supply Chain Management (SAP SCM), under Advanced Planning and Optimization (SAP APO) -> Supply Chain Monitoring -> Planner's Home Page.

See also

SAP Library for SAP Supply Chain Management (SAP SCM), under Advanced Planning and Optimization (SAP APO) -> Business Functions (SAP Enhancement Package 2 for SAP APO 7.0) -> SCM-APO, Planner's Home Page.
1.1.2 Roles for Advanced Planning and Optimization

Use

As of SAP enhancement package 2 for SAP Supply Chain Management (SAP SCM) 7.0, the following roles are new, have been changed, or are obsolete:

- SAP_APO_ATP_CO_2, ATP Controller (new)
- SAP_APO_ATP_CO, ATP Controller (obsolete)
  This role is obsolete and has been replaced by role SAP_APO_ATP_CO_2.
- SAP_SCM_FCS_PLN_STD_2, DP Planner (new)
- SAP_SCM_FCS_PLN_STD, Demand Planner - Standard (obsolete)
  This role is obsolete and has been replaced by role SAP_SCM_FCS_PLN_STD_2.
- SAP_SCM_FCS_PLN_EXP_2, DP Expert (new)
- SAP_SCM_FCS_PLN_EXP, Demand Planner - Expert (obsolete)
  This role is obsolete and has been replaced by role SAP_SCM_FCS_PLN_EXP_2.
- SAP_SCM_FCS_PLN_ADM_2, DP Administrator (new)
- SAP_SCM_FCS_PLN_ADM, Demand Planner - Administration (obsolete)
  This role is obsolete and has been replaced by role SAP_SCM_FCS_PLN_ADM_2.
- SAP_SCM_PLN_HOME, APO Planner's Home Page (new)
- SAP_SCM_SPP_DEMADMD_2, Service Parts Demand Planner: Administration and Master Data (new)
- SAP_SCM_SPP_DEMADMD, Service Parts Demand Planner: Administration and Master Data (obsolete)
  This role is obsolete and has been replaced by role SAP_SCM_SPP_DEMADMD_2, Service Parts Demand Planner: Administration and Master Data.
- SAP_SCM_SPP_DEMEXP_2, Service Parts Demand Planner: Expert (new)
- SAP_SCM_SPP_DEMEXP, Service Parts Demand Planner: Expert (obsolete)
  This role is obsolete and has been replaced by role SAP_SCM_SPP_DEMEXP_2, Service Parts Demand Planner: Expert.
- SAP_SCM_SPP_DEMFCST_2, Service Parts Demand Planner: Forecasting (new)
- SAP_SCM_SPP_DEMFCST, Service Parts Demand Planner: Forecasting (obsolete)
  This role is obsolete and has been replaced by role SAP_SCM_SPP_DEMFCST_2, Service Parts Demand Planner: Forecasting.
- SAP_SCM_SPP_DEMMAIN_2, Service Parts Demand Planner: Demand History Maintenance (new)
- SAP_SCM_SPP_DEMMAIN, Service Parts Demand Planner: Demand History Maintenance (obsolete)
  This role is obsolete and has been replaced by role SAP_SCM_SPP_DEMMAIN_2, Service Parts Demand Planner: Demand History Maintenance.
- SAP_SCM_SPP_DISTR_2, Service Parts Distribution Planner (new)
- **SAP_SCM_SPP_DISTR**, Service Parts Distribution Planner (obsolete)
  This role is obsolete and has been replaced by role **SAP_SCM_SPP_DISTR_2**, Service Parts Distribution Planner.

- **SAP_SCM_SPP_DISTRADMD_2**, Service Parts Distribution Planner: Administration and Master Data (new)

- **SAP_SCM_SPP_DISTRADMD**, Service Parts Distribution Planner: Administration and Master Data (obsolete)
  This role is obsolete and has been replaced by role **SAP_SCM_SPP_DISTRADMD_2**, Service Parts Distribution Planner: Administration and Master Data.

- **SAP_SCM_SPP_DISTREXP_2**, Service Parts Distribution Planner: Expert (new)

- **SAP_SCM_SPP_DISTREXP**, Service Parts Distribution Planner: Expert (obsolete)
  This role is obsolete and has been replaced by role **SAP_SCM_SPP_DISTREXP_2**, Service Parts Distribution Planner: Expert.

- **SAP_SCM_SPP_MONCUST_2**, Service Parts Monitoring (Customer) (new)

- **SAP_SCM_SPP_MONCUST**, Service Parts Monitoring (Customer) (obsolete)
  This role is obsolete and has been replaced by role **SAP_SCM_SPP_MONCUST_2**, Service Parts Monitoring (Customer).

- **SAP_SCM_SPP_MONCUSTADMD_2**, Service Parts Monitoring (Customer): Administration and Master Data (new)

- **SAP_SCM_SPP_MONCUSTADMD**, Service Parts Monitoring (Customer): Administration and Master Data (obsolete)
  This role is obsolete and has been replaced by role **SAP_SCM_SPP_MONCUSTADMD_2**, Service Parts Monitoring (Customer): Administration and Master Data.

- **SAP_SCM_SPP_MONCUSTEXP_2**, Service Parts Monitoring (Customer): Expert (new)

- **SAP_SCM_SPP_MONCUSTEXP**, Service Parts Monitoring (Customer): Expert (obsolete)
  This role is obsolete and has been replaced by role **SAP_SCM_SPP_MONCUSTEXP_2**, Service Parts Monitoring (Customer): Expert.

- **SAP_SCM_SPP_MONSUP_2**, Service Parts Monitoring (Supplier) (new)

- **SAP_SCM_SPP_MONSUP**, Service Parts Monitoring (Supplier) (obsolete)
  This role is obsolete and has been replaced by role **SAP_SCM_SPP_MONSUP_2**, Service Parts Monitoring (Supplier).

- **SAP_SCM_SPP_PINVADMD_2**, Service Parts Inventory Planner: Administration and Master Data (new)

- **SAP_SCM_SPP_PINVADMD**, Service Parts Inventory Planner: Administration and Master Data (obsolete)
  This role is obsolete and has been replaced by role **SAP_SCM_SPP_PINVADMD_2**, Service Parts Inventory Planner: Administration and Master Data.

- **SAP_SCM_SPP_PINVEOQSB_2**, Service Parts Inventory Planner: EOQ/SFT (new)

- **SAP_SCM_SPP_PINVEOQSB**, Service Parts Inventory Planner: EOQ/SFT (obsolete)
  This role is obsolete and has been replaced by role **SAP_SCM_SPP_PINVEOQSB_2**, Service Parts Inventory Planner: EOQ/SFT.
- SAP_SCM_SPP_PINVEXP_2, Service Parts Inventory Planner: Expert (new)
- SAP_SCM_SPP_PINVEXP, Service Parts Inventory Planner: Expert (obsolete)
  This role is obsolete and has been replaced by role SAP_SCM_SPP_PINVEXP_2, Service Parts Inventory Planner: Expert.
- SAP_SCM_SPP_PINVSPOBS_2, Service Parts Inventory Planner: Surplus and Obsolescence (new)
- SAP_SCM_SPP_PINVSPOBS, Service Parts Inventory Planner: Surplus and Obsolescence (obsolete)
  This role is obsolete and has been replaced by role SAP_SCM_SPP_PINVSPOBS_2, Service Parts Inventory Planner: Surplus and Obsolescence.
- SAP_SCM_SPP_PINVSPOBSEX_2, Service Parts Inventory Planner: Surplus and Obsolescence - Expert (new)
- SAP_SCM_SPP_PINVSPOBSEX, Service Parts Inventory Planner: Surplus and Obsolescence - Expert (obsolete)
  This role is obsolete and has been replaced by role SAP_SCM_SPP_PINVSPOBSEX_2, Service Parts Inventory Planner: Surplus and Obsolescence - Expert.
- SAP_SCM_SPP_PINVSTDST_2, Service Parts Inventory Planner: Stocking/Destocking (new)
- SAP_SCM_SPP_PINVSTDST, Service Parts Inventory Planner: Stocking/Destocking (obsolete)
  This role is obsolete and has been replaced by role SAP_SCM_SPP_PINVSTDST_2, Service Parts Inventory Planner: Stocking/Destocking.
- SAP_SCM_SPP_SUP_2, Service Parts Supply Planner (new)
- SAP_SCM_SPP_SUP, Service Parts Supply Planner (obsolete)
  This role is obsolete and has been replaced by role SAP_SCM_SPP_SUP_2, Service Parts Supply Planner.
- SAP_SCM_SPP_SUPADMD_2, Service Parts Supply Planner: Administration and Master Data (new)
- SAP_SCM_SPP_SUPADMD, Service Parts Supply Planner: Administration and Master Data (obsolete)
  This role is obsolete and has been replaced by role SAP_SCM_SPP_SUPADMD_2, Service Parts Supply Planner: Administration and Master Data.
- SAP_SCM_SPP_SUPAPR_2, Service Parts Supply Planner: Approval (new)
- SAP_SCM_SPP_SUPAPR, Service Parts Supply Planner: Approval (obsolete)
  This role is obsolete and has been replaced by role SAP_SCM_SPP_SUPAPR_2, Service Parts Supply Planner: Approval.
- SAP_SCM_SPP_SUPEXP_2, Service Parts Supply Planner: Expert (new)
- SAP_SCM_SPP_SUPEXP, Service Parts Supply Planner: Expert (obsolete)
  This role is obsolete and has been replaced by role SAP_SCM_SPP_SUPEXP_2, Service Parts Supply Planner: Expert.
- SAP_SCM_SPP_WORKLIST_CUST_2, Service Parts Customer (Worklist) (new)
- **SAP_SCM_SPP_WORKLIST_CUST**, *Service Parts Customer (Worklist)* (obsolete)
  This role is obsolete and has been replaced by role **SAP_SCM_SPP_WORKLIST_CUST_2**, *Service Parts Customer (Worklist)*.

- **SAP_SCM_SPP_WORKLIST_2**, *Service Parts Planner (Worklist)* (new)

- **SAP_SCM_SPP_WORKLIST**, *Service Parts Planner (Worklist)* (obsolete)
  This role is obsolete and has been replaced by role **SAP_SCM_SPP_WORKLIST_2**, *Service Parts Planner (Worklist)*.

For more information, see the documentation of these roles in the SAP Library.

### 1.1.3 SCM_APO_VERSION_SIM: Business Function SCM-APO, Version Simulation (New)

**Use**

As of SAP enhancement package 2 for SAP Supply Chain Management (SAP SCM) 7.0, the business function **SCM-APO, Version Simulation** (**SCM_APO_VERSION_SIM**) is available. You can use this business function to do the following:

- Use the enhanced *Copy Planning Version* and *Model and Version Management* transactions.
- Use master data objects that have been made version-dependent. You can also carry out mass updates of all planning version-dependent fields for these master data objects.
- Simulate variants of production process models (PPMs) or production data structures (PDSs) based on planning version-dependent or time-dependent parameters.

For more information, see the following release notes:

- **SCM_APO_VERSION_SIM**: Enhanced Copy Planning Version and Model and Version Management Transactions (Enhanced)
- **SCM_APO_VERSION_SIM**: Version-Dependent Master Data Fields (New)

**See also**
SAP Library for SAP Supply Chain Management (SAP SCM), under Advanced Planning and Optimization (SAP APO) -> Business Functions (SAP Enhancement Package 2 for SAP APO 7.0) -> SCM-APO, Version Simulation.

1.1.4 Data Replication from SAP APO to SAP HANA (New)

Use
As of Support Package 05 for enhancement package 2 for SAP Supply Chain Management 7.0, you can replicate the planning data available in your SAP Advanced Planning and Optimization (SAP APO) system to your SAP HANA system in nearly real time. With the data replication functions below, you can replicate Demand Planning (DP) and Supply Network Planning (SNP) data. You can use the following functions:

- Replication model maintenance
  Using this function, you create a model of the data that you want to be replicated to your SAP HANA system.

- Replication of planning data to SAP HANA
  Using this function, you replicate the data from SAP APO to SAP HANA, based on the replication model you have set up.

- Delta replication of planning data to SAP HANA
  Using this function, you run delta updates on the full set of data that you have replicated to SAP HANA.

- Stop delta replication of planning data to SAP HANA
  Using this function, you can stop delta replication of the data.

You can use the replicated data to perform analyses on.

Effects on Existing Data
The functions above do not change the existing data you have in your SAP APO system; they only serve to replicate it to SAP HANA.

The SAP Easy Access screen has the following new nodes under Advanced Planning and Optimization -> APO Administration -> Data Replication:

- Replication Model Maintenance (/SAPAPO/REPL_MODEL)
- Replication of Planning Data to SAP HANA (/SAPAPO/REPL)
- Delta Replication of Planning Data to SAP HANA (/SAPAPO/REPL_DELTA)
- Stop Delta Replication of Planning Data to SAP HANA (/SAPAPO/REPL_STOP)

Effects on System Administration
We recommend that you run the function Delta Replication of Planning Data to SAP HANA as a scheduled background job.
See also

For more information about data replication from SAP APO to SAP HANA, see the SAP Library on the SAP Help Portal at http://help.sap.com/scm702, under SAP Advanced Planning and Optimization (SAP APO) -> Data Replication from SAP APO to SAP HANA.

1.1.5 SCM-APO-MD Master Data

1.1.5.1 SCM_APO_VERSION_SIM: Enhanced Copy Planning Version and Model and Version Management Transactions (Enhanced)

Use

As of enhancement package 2 for SAP Supply Chain Management (SAP SCM) 7.0, you can use the Copy Planning Version (/SAPAPO/VERCOP) transaction and the model and version copying function of the Model and Version Management (/SAPAPO/MVM) transaction in the following two modes:

- Full copy
  In this case, the system copies version-dependent master data resulting in new version-dependent entries for all master data elements, all orders, and all SNP and DP time series.

- Partial copy
  In this case, the system provides you with several options to specify exactly what kind of data you want to copy.

Effects on Existing Data

The user interface for the following transactions have been reworked to accommodate the new functions. To display the changed user interfaces on the SAP Easy Access screen, choose:

- Advanced Planning and Optimization -> Master Data -> Planning Version Management -> Copy Planning Version

- Advanced Planning and Optimization -> Master Data -> Planning Version Management -> Model and Version Management -> Copy Model/Planning Version

Effects on Customizing

A new Business Add-In (BAdI) is available in Customizing for Advanced Planning and Optimization -> Master Data -> Model and Version Management -> Business Add-Ins for Planning Version Copy -> BAdI: Location Product Extension.

You can make Customizing settings for the parallel processing function that has been enhanced for this business function in Customizing for Advanced Planning and Optimization -> Master Data -> Model and Version Management -> Create Parallel Processing Profile for Planning Version Copy.
See also

SAP Library for SAP Supply Chain Management (SAP SCM), under Advanced Planning and Optimization (SAP APO) -> Business Functions (SAP Enhancement Package 2 for SAP APO 7.0) -> SCM-APO, Version Simulation.

Release note SCM_APO_VERSION_SIM: Business Function SCM-APO, Version Simulation (New)

1.1.5.2 SCM_APO_VERSION_SIM: Version-Dependent Master Data Fields (New)

Use

As of enhancement package 2 for SAP Supply Chain Management (SAP SCM) 7.0, you can use new version-dependent master data fields. These fields allow you to simulate your supply chain planning better.

Additionally, the following enhancements are available in the Mass Maintenance (MASSD) transaction, on the SAP Easy Access screen, under Advanced Planning and Optimization -> Master Data -> General Master Data Functions -> Mass Maintenance:

- Mass maintenance of location master data
  You can update the new version-dependent fields, and the already existing version-dependent fields in versions other than the active version.

- Mass maintenance of location product master data
  You can update the new version-dependent fields.

- Mass maintenance of transportation lane master data
  You can update the new version-dependent fields, and the already existing version-dependent fields in versions other than the active version.

Effects onExisting Data

The following master data fields have been made version-dependent:

**Location**

To display the fields below, on the SAP Easy Access screen, choose Advanced Planning and Optimization -> Master Data -> Location -> Location.

<table>
<thead>
<tr>
<th>Tab Page</th>
<th>Field</th>
</tr>
</thead>
<tbody>
<tr>
<td>General</td>
<td>Priority (Priority of Location)</td>
</tr>
<tr>
<td>Calendar</td>
<td>Production Calendar</td>
</tr>
<tr>
<td></td>
<td>Warehouse Calendar</td>
</tr>
<tr>
<td></td>
<td>Shipping Calendar</td>
</tr>
<tr>
<td></td>
<td>Receiving Calendar</td>
</tr>
<tr>
<td></td>
<td>Planning Cal. (SPP) (Planning Calendar (SPP))</td>
</tr>
<tr>
<td></td>
<td>Displ. Calendar (PPDS) (PPDS Display Calendar)</td>
</tr>
<tr>
<td>SNP</td>
<td>Stock Cat. Group (Category Group for Stocks)</td>
</tr>
</tbody>
</table>
ATD Receipt (Category Group for ATD Quantity)

(ATD Receipt)

ATD Issue (Category Group for ATD Quantity)

(ATD Issue)

Push Not Allowed

Location Product

To display the fields below, on the SAP Easy Access screen, choose Advanced Planning and Optimization -> Master Data -> Product -> Product.

Tab Page

SNP2

SNP Checkg Hor. (SNP: Checking Horizon in Days)

ATD Receipt (Category Group for ATD Quantity)

ATD Receipt

ATD Issue (Category Group for ATD Quantity)

ATD Issue

Lot Size Error in %

Demand Fcast Err. (%) (Relative Demand Forecast)

RLT Fcast Error (%) (Relative Forecast Error of Replenishment Lead Time in %)

GR/GI Consumption in Unit of Measure (Gds Rcpt)

GR Handlg Cap. Cons. (Handling Capacity)

Unit of Measure: Handling Capacity in Goods

Receipt

GI Handlg Cap. Cons. (Handling Capacity)

Unit of Measure: Handling Capacity in Goods

Issue

Storage Cons. per BU

Unit of Measurement of Size

Production Process Model

To display the fields below, on the SAP Easy Access screen, choose Advanced Planning and Optimization -> Production Process Model -> Production Process Model.

Screen Area

Single Level Costs

Variable (Single-Level Costs (Variable))

Fixed (Single-Level Costs (Fixed))

Multilevel Costs

Variable (Costs: Multi-Level (Variable))

Fixed (Costs: Multi-Level (Fixed))

Cost Profile

Production Process Model

Procurement Priority (Procurement Priority)
### Transportation Lane

To display the fields below, on the **SAP Easy Access** screen, choose **Advanced Planning and Optimization - > Transportation Lane - > Transportation Lane**.

<table>
<thead>
<tr>
<th>Screen Area</th>
<th>Field</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product-Specific Transportation Lane Supply</strong></td>
<td><strong>Block Indicator</strong> (Blocking Indicator for Source of Block Indicator)</td>
</tr>
<tr>
<td>(Without Transportation Costs)</td>
<td><strong>Lot Size From</strong> (Minimum Lot Size)</td>
</tr>
<tr>
<td></td>
<td><strong>Lot Size To</strong> (Maximum Lot Size)</td>
</tr>
<tr>
<td></td>
<td><strong>Product Proc. Cost</strong> (Product Costs for Procurement)</td>
</tr>
<tr>
<td><strong>Cost Function</strong></td>
<td><strong>Proc. Priority</strong> (Procurement Priority)</td>
</tr>
<tr>
<td><strong>Means of Transport</strong></td>
<td><strong>Distrib. Priority</strong> (Distribution Priority)</td>
</tr>
<tr>
<td></td>
<td><strong>Cost Function</strong> (Supply Network Planning: External Cost Function)</td>
</tr>
<tr>
<td><strong>Transportation Lane (in hhh:mm)</strong></td>
<td><strong>Transptn Calendar</strong> (Transportation Calendar)</td>
</tr>
<tr>
<td></td>
<td><strong>Trsp. Duration</strong> (Transport Duration of a Transportation Lane)</td>
</tr>
<tr>
<td><strong>Cost Function</strong></td>
<td><strong>Transportn Costs</strong> (Variable Transportation Costs)</td>
</tr>
<tr>
<td><strong>Means of Transport (per km)</strong></td>
<td><strong>Cost Function</strong> (Supply Network Planning: External Cost Function)</td>
</tr>
<tr>
<td></td>
<td><strong>Mns of Trsp. Costs</strong> (Distance-Dependent Costs of a Means of Transport)</td>
</tr>
<tr>
<td><strong>Product Specific Means of Transport for Product</strong></td>
<td><strong>Prohibition</strong> (Specifies Whether MTr Is Not Allowed)</td>
</tr>
<tr>
<td></td>
<td><strong>Transporttn Costs</strong> (Variable Transportation Costs)</td>
</tr>
<tr>
<td><strong>Capacity</strong></td>
<td><strong>Consumption</strong> (Consumption of Transportation Capacity)</td>
</tr>
<tr>
<td><strong>Profile of Transportation Lanes</strong></td>
<td><strong>Unit for Consumption of Transportation Capacity</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Lot Size Profile</strong> (External Number for Lot Size)</td>
</tr>
</tbody>
</table>

Note that the **Cost Profile** and **Discretization** fields are only relevant for SNP PPMs.
See also

SAP Library for SAP Supply Chain Management (SAP SCM), under Advanced Planning and Optimization (SAP APO) -> Business Functions (SAP Enhancement Package 2 for SAP APO 7.0) -> SCM-APO, Version Simulation.

Release note SCM_APO_VERSION_SIM: Business Function SCM-APO, Version Simulation (New)

1.1.6 SCM-APO-SDM Multilevel Supply & Demand Matching

1.1.6.1 SCM-APO-SDM-CTM Capable-to-Match

1.1.6.1.1 SCM_APO_CTM_OPT_GATP: Bus. Fnct: SCM-APO-CTM, Parl Plng and GATP Check (New)

Use

As of SAP enhancement package 2 for SAP Supply Chain Management (SAP SCM) 7.0, the business function SCM-APO-CTM, Parallel Planning (CTM, SNP Opt) and GATP Check (SCM_APO_CTM_OPT_GATP) is available. You can use this business function to perform a global ATP (GATP) check during a Capable-to-Match (CTM) and SNP or Deployment Optimizer planning run. During the entire CTM and SNP Optimizer run, supplies created before the current planning run are visible for GATP check and for all other planning processes.

Additionally, if a CTM and SNP or Deployment Optimizer planning run fails, the supplies created before the current planning run are not lost, as the system does not delete them for the planning run.

Effects on Existing Data

The new field Use Invisible Order Concept has been added on the SAP Easy Access screen, under Advanced Planning and Optimization -> Supply Network Planning -> Environment -> Current Settings -> Profiles -> Define SNP Optimizer Profiles, on the Extended Settings tab page. You use this field if you want to use the invisible order concept in the SNP Optimizer.

The new field Use Invisible Order Concept has been added on the SAP Easy Access screen, under Advanced Planning and Optimization -> Supply Network Planning -> Environment -> Current Settings -> Profiles -> Define SNP Deployment Optimizer Profiles, on the Extended Settings tab page. You use this field if you want to use the invisible order concept in the Deployment Optimizer.

The new field Use Invisible Order Concept has been added on the SAP Easy Access screen, under Advanced Planning and Optimization -> Multilevel Supply & Demand Matching -> Planning ->
Capable-to-Match (CTM) Planning, on the Settings -> Technical Settings tab page. You use this field if you want to use the invisible order concept in Capable-to-Match (CTM).

See also
SAP Library for SAP Supply Chain Management (SAP SCM), under Advanced Planning and Optimization (SAP APO) -> Business Functions (SAP Enhancement Package 2 for SAP APO 7.0) -> SCM-APO-CTM, Parallel Planning (CTM, SNP Opt) and GATP Check.

1.1.6.1.2 SCM_APO_CTM_SUPPLY_CONS: Bus. Func.: SCM-APO-CTM, Supply Consumption (New)

Use
As of SAP enhancement package 2 for SAP Supply Chain Management (SAP SCM) 7.0, the business function SCM-APO-CTM, Supply Consumption (SCM_APO_CTM_SUPPLY_CONS) is available. With this business function, you can activate the supply consumption function. This means that the system uses the available supply in all paths on one level of the supply chain before creating new supply elements on the same level. In case the system can only partially fulfill the demand by consuming existing supply in the lower-priority path, it creates supply elements only for the remaining, unfulfilled quantity in the primary path.

Effects on Existing Data
The new field Supply Consumption has been added on the SAP Easy Access screen, under Advanced Planning and Optimization -> Multilevel Supply & Demand Matching -> Planning -> Capable-to-Match (CTM) Planning, on the Strategies -> Special Strategies tab page, in the Further Strategies screen area.

See also
SAP Library for SAP Supply Chain Management (SAP SCM), under Advanced Planning and Optimization (SAP APO) -> Business Functions (SAP Enhancement Package 2 for SAP APO 7.0) -> SCM-APO-CTM, Supply Consumption.

1.1.7 SCM-APO-FCS Demand Planning

1.1.7.1 SCM_APO_FORECASTING_1: ABC/XYZ Classification (New)
Use

As of enhancement package 2 for SAP Supply Chain Management (SAP SCM) 7.0, you can classify your planning objects into categories of ABC and XYZ. The system uses these classes to determine the best forecast profile to use for a specific planning object in forecasting. The system uses the automatic forecast profile assignment to execute demand planning in the background. This reduces necessary manual adjustment in the demand planning process.

Effects on Existing Data

The area menu has been enhanced by the following new entries:

- On the SAP Easy Access screen, under Advanced Planning and Optimization -> Demand Planning -> Environment -> Current Settings:
  - Specify Planning Levels for ABC/XYZ Classification
- On the SAP Easy Access screen, under Advanced Planning and Optimization -> Demand Planning -> Environment:
  - ABC/XYZ Classification and Forecast Optimization
  - Display ABC/XYZ Classification Results
- On the SAP Easy Access screen, under Advanced Planning and Optimization -> Demand Planning -> Environment -> Demand Planning Worklist.

Effects on Customizing

You make the Customizing settings for this function in Customizing for Advanced Planning and Optimization, under:

- Supply Chain Planning -> Demand Planning (DP) -> Basic Settings -> Specify Planning Levels
- Supply Chain Planning -> Demand Planning (DP) -> Basic Settings -> ABC/XYZ Classification -> Specify Planning Levels for ABC/XYZ Classification

The following Business Add-Ins (BAdIs) are available in Customizing for Advanced Planning and Optimization, under Supply Chain Planning -> Demand Planning (DP) -> Business Add-Ins (BAdIs) -> ABC/XYZ Classification:

- BAdI: Change of ABC/XYZ Classes Determined by ABC/XYZ Classification
- BAdI: Change of Forecast Profile Assignment Before Fcst. Optimization
- BAdI: Own Variation Coefficient Calc. Logic During XYZ Classification

See also

SAP Library for SAP Supply Chain Management (SAP SCM), under Advanced Planning and Optimization (SAP APO) -> Business Functions (SAP Enhancement Package 2 for SAP APO)
7.0) -> SCM-APO-FCS, Events and Outliers, Causals, ABC/XYZ Classification.

1.1.7.2 SCM_APO_FORECASTING_1: Events and Outliers (New)

Use

As of enhancement package 2 for SAP Supply Chain Management (SAP SCM) 7.0, you can work with events in Demand Planning. Events can cause variation and outliers in the demand. You can use events to identify these variations and outliers, and as a result, potentially increase statistical forecast quality by removing the outliers from the history time series before forecasting.

Effects on Existing Data

The area menu has been enhanced by the following new entries on the SAP Easy Access screen, under Advanced Planning and Optimization -> Demand Planning -> Planning -> Promotion:

- Automatic Outlier Detection and Event Generation
- Mass Creation of Events
- Delete Event Types with Dependencies
- Mass Deletion of Events

On the SAP Easy Access screen, under Advanced Planning and Optimization -> Demand Planning -> Planning -> Promotion -> Settings -> Configure Outlier Detection and Event Catalog Assignments.

On the SAP Easy Access screen, under Advanced Planning and Optimization -> Demand Planning -> Environment -> Demand Planning Worklist.

The following new fields are available:

- On the SAP Easy Access screen, under Advanced Planning and Optimization -> Demand Planning -> Environment -> Current Settings -> Define Planning Book, on the Key Fig. Attributes tab page:
  - Show Event Types
- On the SAP Easy Access screen, under Advanced Planning and Optimization -> Demand Planning -> Planning -> Promotion -> Settings -> Maintain Promotion Key Figures:
  - Event Key Figure
- On the SAP Easy Access screen, under Advanced Planning and Optimization -> Demand Planning -> Environment -> Administration of Demand Planning and Supply Network Planning, under Extras -> Forecast Settings:
  - Price Key Figure
  - Price Change Event Type
  - Price Change Event Bucket
  - Price Change Threshold
- On the SAP Easy Access screen, under Advanced Planning and Optimization -> Demand Planning -> Environment -> Maintain Forecast Profiles, on the Univariate Profile tab page, in the Event Types screen area:
  - Event Catalog ID
  - Estimate Automatically
  - Clean History

- On the SAP Easy Access screen, under Advanced Planning and Optimization -> Demand Planning -> Environment -> Maintain Forecast Profiles, on the Univariate Profile tab page, in the Combination with MLR screen area:
  - MLR for Univ.Fcst (MLR Profile for Univariate Forecasting)
  - Price Change Threshold

- On the SAP Easy Access screen, under Advanced Planning and Optimization -> Demand Planning -> Environment -> Maintain Forecast Profiles, on the MLR Profile tab page:
  - Allow T-Test to Disregard

Effects on Customizing

You make the Customizing settings for this function in Customizing for Advanced Planning and Optimization, under Supply Chain Planning -> Demand Planning (DP) -> Basic Settings -> Events and Outliers -> Configure Outlier Detection and Event Catalog Assignments.

A new Business Add-In (BAdI) is available in Customizing for Advanced Planning and Optimization, under Supply Chain Planning -> Demand Planning (DP) -> Business Add-Ins (BAdIs) -> Event Handling -> BAdI: Modification of the Determined Event Type During Outlier Detection.

See also

SAP Library for SAP Supply Chain Management (SAP SCM), under Advanced Planning and Optimization (SAP APO) -> Business Functions (SAP Enhancement Package 2 for SAP APO 7.0) -> SCM-APO-FCS, Events and Outliers, Causals, ABC/XYZ Classification.

1.1.7.3 SCM_APO_FORECASTING_1: Seasonality (New)

Use

As of enhancement package 2 for SAP Supply Chain Management (SAP SCM) 7.0, you can use seasonality groups in forecasting. Seasonality groups are groups of planning objects whose seasonality pattern is similar. The system chooses the best forecast profile for each seasonality group, thus making forecasting for a large number of planning objects more efficient.

Effects on Existing Data

The area menu has been enhanced by the following new entries:
On the SAP Easy Access screen, under Advanced Planning and Optimization -> Demand Planning -> Environment -> Demand Planning Worklist.

- On the SAP Easy Access screen, under Advanced Planning and Optimization -> Demand Planning -> Environment -> Assign Planning Objects to Seasonality Groups.

- On the SAP Easy Access screen, under Advanced Planning and Optimization -> Demand Planning -> Environment -> Current Settings -> Specify Seasonality Groups.

The following new field is available:

On the SAP Easy Access screen, under Advanced Planning and Optimization -> Demand Planning -> Environment -> Maintain Forecast Profiles, on the Univariate Profile tab page, in the Model Parameters screen area:

- Consider Group Seasonality

Effects on Customizing

You make the Customizing settings for this function in Customizing for Advanced Planning and Optimization, under Supply Chain Planning -> Demand Planning (DP) -> Basic Settings -> Seasonality Groups -> Maintain Seasonality Groups.

The following Business Add-In (BAdI) is available in Customizing for Advanced Planning and Optimization, under Supply Chain Planning -> Demand Planning (DP) -> Business Add-Ins (BAdIs) -> BAdI: Use of Different Seasonal Indices for Seasonality Groups.

See also

SAP Library for SAP Supply Chain Management (SAP SCM), under Advanced Planning and Optimization (SAP APO) -> Business Functions (SAP Enhancement Package 2 for SAP APO 7.0) -> SCM-APO-FCS, Events and Outliers, Causals, ABC/XYZ Classification.

1.1.7.4 SCM_APO_FORECASTING_1: Business Function SCM-APO-FCS, Events and Outliers, Causals, ABC/XYZ Classification (New)

Use

As of enhancement package 2 for SAP Supply Chain Management (SAP SCM) 7.0, the business function SCM-APO-FCS, Events and Outliers, Causals, ABC/XYZ Classification (SCM_APO_FORECASTING_1) is available. With this business function, you can do the following:

- Perform ABC/XYZ analysis, and classify your planning objects into A, B, C, X, Y, and Z classes based on the analysis.

- Create events, and organize them into event catalogs. You can use events to identify variations and outliers in the demand, and as a result, potentially increase statistical forecast quality.

- You can assign planning objects to seasonality groups. The system uses seasonality groups to identify the seasonal pattern of planning objects.
For more information, see the following release notes:
- SCM_APO_FORECASTING_1: ABC/XYZ Classification (New)
- SCM_APO_FORECASTING_1: Events and Outliers (New)
- SCM_APO_FORECASTING_1: Seasonality (New)

See also
SAP Library for SAP Supply Chain Management (SAP SCM), under Advanced Planning and Optimization (SAP APO) -> Business Functions (SAP Enhancement Package 2 for SAP APO 7.0) -> SCM-APO-FCS, Events and Outliers, Causals, ABC/XYZ Classification.

1.1.8 SCM-APO-SPP Service Parts Planning

1.1.8.1 SCM_APO_SPP_GEN_2: Business Function Service Parts Planning 2

Use
As of SAP enhancement package 2 for SAP Supply Chain Management (SAP SCM) 7.0, the business function SCM-APO-SPP, Service Parts Planning 2 (SCM_APO_SPP_GEN_2) is available. With this business function, you can use the Consistency Checks for SPP function. The consistency checks examine general customizing and configuration settings for SPP, and inform you about the steps you need to make to correct errors in the customizing and configuration of SPP. Furthermore, you can check key master data for SPP such as location products for consistency.

Effects on Existing Data
The Consistency Checks for SPP (/SAPAPO/SPP_CHECK) transaction has been added to the area menu. You can access the Consistency Checks for SPP transaction on the SAP Easy Access screen under Advanced Planning and Optimization -> APO Administration -> Consistency Checks -> Service Parts Planning -> Consistency Checks for SPP.

See also
SAP Library for SAP Supply Chain Management under SAP Advanced Planning and Optimization -> Business Functions (SAP Enhancement Package 2 for SAP SCM 7.0) -> Business Functions in SAP SCM -> Business Functions in SAP APO -> SCM-APO-SPP, Service Parts Planning 2.
1.1.9 SCM-APO-PPS        Production Planning and Detailed Scheduling

1.1.9.1 SCM_APO_PPDS_PI: Stretching and Shrinking Operations (New)

Use

An unplanned stoppage in continuous production can be an expensive and time-consuming factor in process industries; restarted operations can take several days to reach a level where the required quality is produced. A continuous flow must therefore be maintained within specified boundaries. This is achieved by defining the extent to which the duration of an operation can be increased or decreased, without changing the quantity or other parameters.

In other words, you can stretch or shrink operations to fill in gaps in the resource utilization. The limits are percentages of the original duration of the operation. The resource data can be assigned to different planning versions.

See also


Release note:

SCM_APO_PPDS_PI: Continuous Production and Multi-Resource Scheduling

1.1.9.2 SCM_APO_PPDS_PI: Heuristic for Filling of Resource Gaps (New)

Use

You can use the new heuristic SAP_PI_002 to reduce or even eliminate any gaps between operations. This can be done by reducing the rate, thereby stretching activities either forward or backward, as required. However, you may not go below the minimum rate assigned in the resource master.
See also


Release note:

SCM_APO_PPDS_PI: Continuous Production and Multi-Resource Scheduling

1.1.9.3 Planning of Standard Lots for Conti I/O

Use

The Planning of Standard Lots for Conti- I/O heuristic (SAP_PP_C001) has been enhanced with the capability of pegging at the amount specified in the product master data. A Minimum Passing Quantity parameter has been added to allow this pegging.

See also


Release note:

SCM_APO_PPDS_PI: Continuous Production and Multi-Resource Scheduling

1.1.9.4 Multi-Resource Scheduling Heuristic

Use

You can use the new multi-resource scheduling heuristic to switch modes and sources of supply after defined time blocks, so as to keep the receipts as close to the required date as possible.

Multi-resource scheduling provides the following advantages:
- Complies better with due dates
- Supports finite production planning scenarios with all alternative resources
- Allows alternative resources to be modeled using not only modes but also alternative sources of supply
See also


Release note:

SCM_APO_PPDS_PI: Continuous Production and Multi-Resource Scheduling

1.1.9.5 Optimizer Planning for Continuous I/O Nodes

Use

The PP/DS optimizer has been enhanced to support accurate pegging of incremental material output/input within continuous material production/consumption (cont i/O). Continuous material flow (pegging) in connection with order creation shall be supported by the optimizer.

See also


Release Note:

SCM_APO_PPDS_PI: Continuous Production and Multi-Resource Scheduling

1.1.9.6 SCM_APO_PPDS_PI: Business Function Continuous Production and Multi-Resource Scheduling (New)

Use

As of SAP Supply Chain Management (SCM) 7.0 enhancement pack 2, the business function
Continuous Production and Multi-Resource Scheduling is available. You can use this business function to optimize continuous production, particularly in process industry scenarios.

- Stretching and Shrinking Operations
- Heuristic for Filling of Resource Gaps
- Planning of Standard Lots for Conti I/O
- Multi-Resource Scheduling Heuristic
- Optimizer Planning for Continuous I/O Nodes

Effects on Existing Data

The user interface for the following transactions have been reworked to accommodate the new functions. To access the changed user interfaces from the SAP Easy Access screen, choose:

- Advanced Planning and Optimization -> Master Data -> Resource -> Resource (Resource Master - Transaction /SAPAPO/RES01)
- Advanced Planning and Optimization -> Master Data -> Product -> Product (Product Master - Transaction /SAPAPO/MAT1)
- Advanced Planning and Optimization -> Production Planning -> Interactive Production Planning -> Detailed Scheduling -> Detailed Scheduling Planning Board - Variable View (Detailed Scheduling Planning Board - Transaction /SAPAPO/CDPS0)

See also


1.1.10 SCM-APO-ATP Global Available-to-Promise

1.1.10.1 SCM_APO_ATP_2: Bus. Funct. SCM-APO-ATP, Enhanced Interactive BOP (New)

Use

As of SAP enhancement package 2 for SAP Supply Chain Management (SAP SCM) 7.0, the business function SCM-APO-ATP, Enhanced Interactive Backorder Processing (SCM_APO_ATP_2) is available. Enhanced interactive backorder processing is a Web application. Enhanced interactive backorder processing - just like the interactive backorder processing available previously on the SAP GUI - allows you to process confirmations manually and redistribute confirmed quantities to orders that have a higher priority, for example following batch backorder processing. Compared to interactive backorder
processing on the SAP GUI, enhanced interactive backorder processing is more user-friendly and offers a wider functionality. In particular, you can call the ATP check for multiple items simultaneously, and thus redistribute the confirmed quantities automatically (as in the case of batch backorder processing). You can call up enhanced interactive backorder processing in the SAP NetWeaver Business Client 3.5 for Desktop and on the SAP GUI (from the SAP Easy Access screen).

For more information about the features of enhanced interactive backorder processing and restrictions, see SAP Library for SAP Supply Chain Management (SAP SCM) under Advanced Planning and Optimization (SAP APO) -> Business Functions (SAP Enhancement Package 2 for SAP APO 7.0) -> SCM-APO-ATP, Enhanced Interactive Backorder Processing.

1.2 SCM-BAS        SCM Basis

1.2.1 SCM_EWM_BP_IDMAP: Business Function EWM, Business Partner ID Mapping (New)

Use

As of SAP enhancement package 2 for SAP Extended Warehouse Management (SAP EWM) 7.0, the business function EWM, Business Partner ID Mapping (SCM_EWM_BP_IDMAP) is available.

You can use business partner ID mapping to enable SAP EWM to work with customers and vendors that share the same ERP number. These customers and vendors can be from the same ERP system or from different systems.

Effects on Existing Data

The ship-to, ship-from, and owner fields display the new unique business partner ID generated by business partner ID mapping throughout SAP EWM.

Note: The activation of this business function affects not only EWM but all other SCM components that use the same SCM Basis system.

Effects on Customizing

The following new activities are available in Customizing for SCM Basis:
- Master Data -> Business Partner -> Business Partner ID Mapping -> Define General Settings
- Master Data -> Business Partner -> Business Partner ID Mapping -> Map Differentiator
You can use these activities to set up business partner ID mapping.

1.2.2 SCM_EWM_USAB_IMPL_1: Advanced Returns Management (New)

**Use**

As of SAP enhancement package 2 for SAP Extended Warehouse Management (EWM) 7.0 you can fully integrate SAP ERP advanced returns management with EWM warehouse storage processes to manage returns stock items on storage bin level. The inspection of returns items is fully supported by the existing EWM Quality Management (QM) component. This integration improves the efficiency and transparency of the returns process.

This feature enables you to carry out the following tasks:

- Manage returns items in the warehouse where the external inspection took place before goods receipt. You can also keep the reference to this kind of inspection to support follow-on document processing.
- Perform advanced returns management-relevant inspection in the warehouse
- Transfer the responsibility for the execution of a complex logistical follow-up action back to an ERP system
- Execute a logistical follow-up action by calling the corresponding external application remotely
- Configure a special RFC destination to call the external application
- Control the logistical follow-up action using a new authorization object (/SCWM/QFU)

To use this feature, you must activate the following business functions:

- **EWM, Returns in the Distribution Network** (SCM_EWM_REV_LOG)
- **Advanced Returns Management 2** (OPS_ADVRETURNS_2)

**Effects on Existing Data**

**Delivery**

The following functions have been enhanced with three new values in the existing field *Act. Q. Insp.:

- **Extended Warehouse Management** -> **Delivery Processing** -> **Inbound Delivery** -> **Maintain Inbound Delivery Notification**
- **Extended Warehouse Management** -> **Delivery Processing** -> **Inbound Delivery** -> **Maintain Inbound Delivery**

You can use the new values in returns processes which are relevant to advanced returns management.

**Quality Inspection**

The following functions have been enhanced to support the remote call to the advanced returns management inspection:

- **Extended Warehouse Management** -> **Execution** -> **Quality Inspection and Count**

To use this enhancement you need an active implementation of the Business Add-In (BAdI) Maintain and Execute Follow-Up Action Externally. You can copy the implementation of the available example class.

**Effects on Customizing**

The following new activity is available in Customizing for Extended Warehouse Management:
- Cross-Process Settings -> Quality Management -> Basics -> Assign RFC Destinations to Logical Systems
  You can use this activity to set up a special RFC destination to call the external application if your business needs require it for security reasons.

The following enhanced activity is available in Customizing for Extended Warehouse Management:
- Cross-Process Settings -> Quality Management -> Basics -> Warehouse-Dependent Activation of Inspection Object Type
  This activity has been enhanced with a new field, Catalog (ext.). You can use this field to define the external catalog for the inspection results (decision and logistical follow-up) sent to the external system.

The following new Business Add-Ins (BAdIs) are available in Customizing for Extended Warehouse Management:
- Business Add-Ins (BAdIs) for Extended Warehouse Management -> Cross-Process Settings -> Quality Management -> Follow-Up Actions -> Determine Pre-Defined Follow-Up Code
- Business Add-Ins (BAdIs) for Extended Warehouse Management -> Cross-Process Settings -> Quality Management -> Follow-Up Actions -> Maintain and Execute Follow-Up Action Externally

**1.2.3 SCM_EWM_USAB_IMPL_1: Cartonization Planning (New)**

**Use**

As of SAP enhancement package 2 for SAP Extended Warehouse Management (EWM) 7.0, you can use cartonization planning to improve the creation of shipping handling units (HUs) based on information from product master data and outbound delivery orders, such as quantities, volume, and weight. Cartonization planning results in the creation of planned shipping handling units (PSHUs) that you can use as templates for creating shipping HUs during picking or packing.

A PSHU is an object similar to a shippingHU, describing a packaging material and the items it contains. In contrast to a shippingHU, a PSHU does not physically exist in the warehouse and is only used to plan shippingHUs. You can create PSHUs manually or automatically in cartonization planning.

Automatic cartonization planning uses algorithms to create PSHUs. Algorithms are defined as
Implementations of the Business-Add In BAdI: Cartonization Planning Algorithm. The default implementation aims at minimizing the number of handling units (HUs). The default algorithm uses a heuristic approach. It is no optimization.

You can start automatic cartonization planning for the following:
- Outbound delivery orders
- Waves
- Warehouse tasks during warehouse order creation

**Effects on Existing Data**

The following new transactions are available for cartonization planning on the SAP Easy Access screen under Extended Warehouse Management -> Work Scheduling -> Cartonization Planning:
- Cartonization Planning for Outbound Delivery Orders
- Cartonization Planning for Waves
- Maintain Planned Shipping Handling Units
- Delete Planned Shipping Handling Units

A new transaction is available on the SAP Easy Access screen under Extended Warehouse Management -> Settings -> Determine Algorithm Profiles for Cartonization Planning.

The following transactions and reports have been enhanced:
The standard warehouse management monitor SAP has been enhanced with the Planned Shipping Handling Unit node. To open the new node in the SAP standard monitor, choose Outbound -> Documents -> Planned Shipping Handling Unit.
- Maintain Outbound Delivery Order on the SAP Easy Access screen under Extended Warehouse Management -> Delivery Processing -> Maintain Outbound Delivery Order.
The transaction has been enhanced in the list view on item level with the Process Profile for Cartonization Planning field.
- Maintain Outbound Delivery on the SAP Easy Access screen under Extended Warehouse Management -> Delivery Processing -> Maintain Outbound Delivery.
The transaction has been enhanced in the list view on item level with the Process Profile for Cartonization Planning field.
- The report /SCWM/R_WAVE_PLANBACKGROUND has been enhanced with the Delete Planned Shipping HUs field.

**Effects on System Administration**

To log cartonization planning, you can use the object WME_LOG and subobject CAP.

**Effects on Customizing**

Cartonization planning uses the following new Customizing data:
- Algorithm profiles for cartonization planning: Used to determine the way the system creates PSHUs
- Process profiles for cartonization planning: Used to determine when in the outbound process PSHUs are created and used for the creation of shipping HUs

The following activities are available for cartonization planning in Customizing for Extended Warehouse Management under Goods Issue Process -> Cartonization Planning:
- Define Number Ranges for Identification of PSHUs
- Configure Cartonization Planning on Warehouse Number Level
- Define Algorithm Profiles for Cartonization Planning
- Define Access Sequence of Algorithm Profiles
- Define Process Profiles for Cartonization Planning
- Determine Process Profiles for Cartonization Planning

The following Business Add-Ins (BAdIs) are available for cartonization planning in Customizing for Extended Warehouse Management under Business Add-Ins (BAdIs) for Extended Warehouse Management -> Goods Issue Process -> Cartonization Planning:
- BAdI: Determination of CAP Process Profiles
- BAdI: Pre- and Postprocessing of CAP Algorithms
- BAdI: Cartonization Planning Algorithm

A new BAdI is available in Customizing for Extended Warehouse Management under Business Add-Ins (BAdIs) for Extended Warehouse Management -> Master Data -> Work Center -> Adjust User Interface for Work Center -> BAdI: Destination HUs and Packaging Materials from PSHUs.

The following activities in Customizing for Extended Warehouse Management under Cross-Process Settings -> Warehouse Order have been enhanced with the CAP Compatibility field:
- Define Creation Rule for Warehouse Orders
- Overview of Creation Rules for Warehouse Orders

1.2.4 SCM_EWM_USAB_IMPL_1: Business Function EWM, Usability and Implementation 1 (New)

Use

As of SAP enhancement package 2 for SAP Extended Warehouse Management (SAP EWM) 7.0, the business function EWM, Usability and Implementation 1 (SCM_EWM_USAB_IMPL_1) is available.

For more information, see the following release notes:
- SCM_EWM_USAB_IMPL_1: Tool-Based ERP Integration (New)
- SCM_EWM_USAB_IMPL_1: Migration from LE-WM (New)
- SCM_EWM_USAB_IMPL_1: Advanced Returns Management (New)
- SCM_EWM_USAB_IMPL_1: Cartonization Planning (New)
- SCM_EWM_USAB_IMPL_1: MFS for Case Conveyor Systems (New)
- SCM_EWM_USAB_IMPL_1: Collective Handling Units (New)
- SCM_EWM_USAB_IMPL_1: Enhanced Warehouse Order Printout (New)
- SCM_EWM_USAB_IMPL_1: SAP Crystal Reports in Warehouse Management Monitor (New)
- SCM_EWM_USAB_IMPL_1: Easy Warehouse Management Monitor Maintenance (New)
- SCM_EWM_USAB_IMPL_1: Replenishment of Entire Handling Units (New)
- SCM_EWM_USAB_IMPL_1: Demo Data in Warehouse Cockpit and Monitor (New)
- SCM_EWM_USAB_IMPL_1: Creation of Outbound Deliveries from the Packing Work Center (New)

**Effects on Existing Data**

Note: The activation of this business function affects not only EWM but all other SCM components that use the same SCM Basis system.

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**1.2.5 SCM-BAS-MD Master Data**

**1.2.5.1 SCM_EWM_MEAN: Business Function EWM, Additional GTINs (EANs/UPCs) for Product (New)**

**Use**

As of SAP enhancement package 2 for SAP Extended Warehouse Management (SAP EWM) 7.0, the business function *EWM, Additional GTINs (EANs/UPCs) for Product* is available.

You can use this business function to maintain and use additional Global Trade Item Numbers (GTINs) (including International Article Numbers (EANs) and Universal Product Codes (UPCs)) for a unit of measure of a product in SAP Extended Warehouse Management (EWM). You can use additional GTINs, for example, to identify the same unit of measure of the same product by different vendors.

If additional GTINs exist in SAP EWM, you can use them to identify products in the functions where the entry of a GTIN is possible, for example, in product validation using radio-frequency (RF).

If you want to download additional GTINs from SAP ERP using Core Interface (CIF) by means of initial transfer or change transfer of material master data, you must activate the business function *SCM, CIF Transfer of Additional GTINs (EANs/UPCs) for Material (LOG_SCM_MEAN_INT)*. This business function is available as of SAP enhancement package 6 for SAP ERP 6.0.
Caution

Additional GTINs from SAP ERP overwrite additional GTINs that you have maintained in SAP EWM.

Effects on Existing Data

The transaction for maintaining product master data and the transaction for maintaining warehouse product master data have been enhanced in the following way:

- To enable you to maintain additional GTINs, both transactions have been enhanced with the tab page Additional GTINs/EANs.
  
  To maintain product master data, on the SAP Easy Access screen, choose Extended Warehouse Management -> Master Data -> Product -> Maintain Product (or transaction /SAPAPO/MAT1).
  
  To maintain warehouse product master data, on the SAP Easy Access screen, choose Extended Warehouse Management -> Master Data -> Product -> Maintain Warehouse Product (or transaction /SCWM/MAT1).

- To display whether additional GTINs exist in SAP EWM, the Units of Meas. (Units of Measures) tab page in both transactions has been enhanced with the field Additional GTINs/EANs exist.

Note: The activation of this business function affects not only EWM but all other SCM components that use the same SCM Basis system.

1.3 SCM-EWM

Extended Warehouse Management

1.3.1 SCM_EWM_BP_IDMAP: Business Function EWM, Business Partner ID Mapping (New)

Use

As of SAP enhancement package 2 for SAP Extended Warehouse Management (SAP EWM) 7.0, the business function EWM, Business Partner ID Mapping (SCM_EWM_BP_IDMAP) is available.

You can use business partner ID mapping to enable SAP EWM to work with customers and vendors that share the same ERP number. These customers and vendors can be from the same ERP system or from different systems.

Effects on Existing Data

The ship-to, ship-from, and owner fields display the new unique business partner ID generated by business partner ID mapping throughout SAP EWM.

Note: The activation of this business function affects not only EWM but all other SCM components that
use the same SCM Basis system.

Effects on Customizing

The following new activities are available in Customizing for SCM Basis:
- Master Data -> Business Partner -> Business Partner ID Mapping -> Define General Settings
- Master Data -> Business Partner -> Business Partner ID Mapping -> Map Differentiator

You can use these activities to set up business partner ID mapping.

1.3.2 Updated Roles in SAP Extended Warehouse Management

Use

As of SAP enhancement package 2 for SAP Extended Warehouse Management 7.0, the following role is new: /SCWM/EXPERT_2, Warehouse Expert for EhP 2.

For more information, see the documentation of this role in the SAP Library.

1.3.3 SCM_EWM_USAB_IMPL_1: Advanced Returns Management (New)

Use

As of SAP enhancement package 2 for SAP Extended Warehouse Management (EWM) 7.0 you can fully integrate SAP ERP advanced returns management with EWM warehouse storage processes to manage returns stock items on storage bin level. The inspection of returns items is fully supported by the existing EWM Quality Management (QM) component. This integration improves the efficiency and transparency of the returns process.

This feature enables you to carry out the following tasks:
- Manage returns items in the warehouse where the external inspection took place before goods receipt. You can also keep the reference to this kind of inspection to support follow-on document processing.
- Perform advanced returns management -relevant inspection in the warehouse
- Transfer the responsibility for the execution of a complex logistical follow-up action back to an ERP system
- Execute a logistical follow-up action by calling the corresponding external application remotely
- Configure a special RFC destination to call the external application
- Control the logistical follow-up action using a new authorization object (/SCWM/QFU)

To use this feature, you must activate the following business functions:
- *EWM, Returns in the Distribution Network (SCM_EWM_REV_LOG)*
- *Advanced Returns Management 2 (OPS_ADVRETURNS_2)*

**Effects on Existing Data**

**Delivery**

The following functions have been enhanced with three new values in the existing field *Act. Q. Insp.:

- *Extended Warehouse Management* -> *Delivery Processing* -> *Inbound Delivery* -> *Maintain Inbound Delivery Notification*
- *Extended Warehouse Management* -> *Delivery Processing* -> *Inbound Delivery* -> *Maintain Inbound Delivery*

You can use the new values in returns processes which are relevant to advanced returns management.

**Quality Inspection**

The following functions have been enhanced to support the remote call to the advanced returns management inspection:

- *Extended Warehouse Management* -> *Execution* -> *Quality Inspection and Count*

To use this enhancement you need an active implementation of the Business Add-In (BAdI) *Maintain and Execute Follow-Up Action Externally*. You can copy the implementation of the available example class.

**Effects on Customizing**

The following new activity is available in Customizing for Extended Warehouse Management:

- *Cross-Process Settings* -> *Quality Management* -> *Basics* -> *Assign RFC Destinations to Logical Systems*

You can use this activity to set up a special RFC destination to call the external application if your business needs require it for security reasons.

The following enhanced activity is available in Customizing for Extended Warehouse Management:

- *Cross-Process Settings* -> *Quality Management* -> *Basics* -> *Warehouse-Dependent Activation of Inspection Object Type*

This activity has been enhanced with a new field, *Catalog (ext.)*. You can use this field to define the
external catalog for the inspection results (decision and logistical follow-up) sent to the external system.

The following new Business Add-Ins (BAdIs) are available in Customizing for Extended Warehouse Management:

- Business Add-Ins (BAdIs) for Extended Warehouse Management -> Cross-Process Settings -> Quality Management -> Follow-Up Actions -> Determine Pre-Defined Follow-Up Code
- Business Add-Ins (BAdIs) for Extended Warehouse Management -> Cross-Process Settings -> Quality Management -> Follow-Up Actions -> Maintain and Execute Follow-Up Action Externally

1.3.4 SCM_EWM_USAB_IMPL_1: Cartonization Planning (New)

Use

As of SAP enhancement package 2 for SAP Extended Warehouse Management (EWM) 7.0, you can use cartonization planning to improve the creation of shipping handling units (HUs) based on information from product master data and outbound delivery orders, such as quantities, volume, and weight. Cartonization planning results in the creation of planned shipping handling units (PSHUs) that you can use as templates for creating shipping HUs during picking or packing.

A PSHU is an object similar to a shippingHU, describing a packaging material and the items it contains. In contrast to a shippingHU, a PSHU does not physically exist in the warehouse and is only used to plan shipping HUs. You can create PSHUs manually or automatically in cartonization planning.

Automatic cartonization planning uses algorithms to create PSHUs. Algorithms are defined as implementations of the Business-Add In BAdI: Cartonization Planning Algorithm. The default implementation aims at minimizing the number of handling units (HUs). The default algorithm uses a heuristic approach. It is no optimization.

You can start automatic cartonization planning for the following:

- Outbound delivery orders
- Waves
- Warehouse tasks during warehouse order creation

Effects on Existing Data

The following new transactions are available for cartonization planning on the SAP Easy Access screen under Extended Warehouse Management -> Work Scheduling -> Cartonization Planning:

- Cartonization Planning for Outbound Delivery Orders
- Cartonization Planning for Waves
- Maintain Planned Shipping Handling Units
- Delete Planned Shipping Handling Units

A new transaction is available on the SAP Easy Access screen under Extended Warehouse Management -> Settings -> Determine Algorithm Profiles for Cartonization Planning.
The following transactions and reports have been enhanced:

- **Warehouse Management Monitor** on the SAP Easy Access screen under Extended Warehouse Management -> Monitoring -> Warehouse Management Monitor. The standard warehouse management monitor SAP has been enhanced with the Planned Shipping Handling Unit node. To open the new node in the SAP standard monitor, choose Outbound -> Documents -> Planned Shipping Handling Unit.

- **Maintain Outbound Delivery Order** on the SAP Easy Access screen under Extended Warehouse Management -> Delivery Processing -> Maintain Outbound Delivery Order. The transaction has been enhanced in the list view on item level with the Process Profile for Cartonization Planning field.

- **Maintain Outbound Delivery** on the SAP Easy Access screen under Extended Warehouse Management -> Delivery Processing -> Maintain Outbound Delivery. The transaction has been enhanced in the list view on item level with the Process Profile for Cartonization Planning field.

- The report /SCWM/R_WAVE_PLANBACKGROUND has been enhanced with the Delete Planned Shipping HUs field.

**Effects on System Administration**

To log cartonization planning, you can use the object WME_LOG and subobject CAP.

**Effects on Customizing**

Cartonization planning uses the following new Customizing data:

- Algorithm profiles for cartonization planning: Used to determine the way the system creates PSHUs
- Process profiles for cartonization planning: Used to determine when in the outbound process PSHUs are created and used for the creation of shipping HUs

The following activities are available for cartonization planning in Customizing for Extended Warehouse Management under Goods Issue Process -> Cartonization Planning:

- Define Number Ranges for Identification of PSHUs
- Configure Cartonization Planning on Warehouse Number Level
- Define Algorithm Profiles for Cartonization Planning
- Define Access Sequence of Algorithm Profiles
- Define Process Profiles for Cartonization Planning
- Determine Process Profiles for Cartonization Planning

The following Business Add-Ins (BAdIs) are available for cartonization planning in Customizing for Extended Warehouse Management under Business Add-Ins (BAdIs) for Extended Warehouse Management -> Goods Issue Process -> Cartonization Planning:

- BAdI: Determination of CAP Process Profiles
- BAdI: Pre- and Postprocessing of CAP Algorithms
A new BAdI is available in Customizing for Extended Warehouse Management under Business Add-Ins (BAdIs) for Extended Warehouse Management -> Master Data -> Work Center -> Adjust User Interface for Work Center -> BAdI: Destination HUs and Packaging Materials from PSHUs.

The following activities in Customizing for Extended Warehouse Management under Cross-Process Settings -> Warehouse Order have been enhanced with the CAP Compatibility field:

- Define Creation Rule for Warehouse Orders
- Overview of Creation Rules for Warehouse Orders

### 1.3.5 SCM_EWM_USAB_IMPL_1: Collective Handling Units (New)

#### Use

As of SAP enhancement package 2 for SAP Extended Warehouse Management (EWM) 7.0, you can create a warehouse task to move handling units (HUs) with unknown content to a work center by grouping them under a collective HU. A collective HU exists only in the system. This allows you to move the HUs with unknown content in the system to the work center.

You know the inbound delivery details of the HUs with unknown content, but not what product items are packed into each HU. All the items are technically packed into the collective HU in the system, while the HUs with unknown content remain empty in the system. Each of the HUs with unknown content has the same HU reference number as the collective HU. The product item content of the HUs with unknown content is identified at the first work center, where the HUs are deconsolidated or unpacked. From that point on, the HUs can be treated as usual.

You can post goods receipt (GR) for the complete delivery or for the collective HU. The HUs with unknown content are posted at the same time.

Label printing for HUs has been enhanced so that labels for HU with unknown content show the collective HU reference number too. The warehouse tasks for the HUs with unknown content can be confirmed in the system in the usual way.

Collective HUs and HUs with unknown content have a new HU header indicator.

#### Effects on Existing Data

On the following screens, the Pack button has been enhanced with the menu option Create HUs with Unknown Content for creating HUs with unknown content with relation to inbound deliveries before GR:

- Goods Receipt
  - On the SAP Easy Access screen, choose Extended Warehouse Management -> Delivery Processing -> Inbound Delivery -> Physical Goods Receipt
- GR Preparation: External Procurement
  - On the SAP Easy Access screen, choose Extended Warehouse Management -> Delivery Processing -> Inbound Delivery -> GR Preparation - External Procurement
The Create HU tab in the work center packing screen has been enhanced with a new Collective HU field for creating the collective HU and HUs with unknown content before GR.

A new screen has been created for maintaining the packaging material of a collective HU. On the SAP Easy Access screen, choose Extended Warehouse Management -> Settings -> Specify Packaging Materials for Collective HUs.

Effects on Customizing

To use a collective HU, you must maintain the process type for HUs with unknown content in Customizing for Extended Warehouse Management under Master Data -> Define Warehouse Number Control. See Define Warehouse Number Control.

You can also make the settings to automatically determine the packaging material for the collective HU in Customizing for Extended Warehouse Management under Business Add-Ins for Extended Warehouse Management -> Goods Receipt Process -> BAdI: Packaging Material for Collective HUs. See BAdI: Packaging Material for Collective HUs.

1.3.6 SCM_EWM_USAB_IMPL_1: SAP Crystal Reports in Warehouse Management Monitor (New)

Use

As of SAP enhancement package 2 for SAP Extended Warehouse Management (SAP EWM) 7.0, you can display data in seven demo SAP Crystal Reports in the warehouse management monitor (WM monitor). The SAP Crystal Reports are available in a separate monitor, CR_EX, in WM monitor.

These SAP Crystal Reports can be used to display charts and analytics functions for demonstration purposes.

The reports can be exported and modified using SAP Crystal Reports and re-imported and saved as an ALV grid layout. You must purchase a license for SAP Crystal Reports to do this.

The demo SAP Crystal Reports are as follows:

- Inbound Delivery Item
- Outbound Delivery Item
- Loading Workload per Route
- Warehouse Task
- Physical Inventory Documents
- Stock Overview
- Labor Utilization Date and Processor
Effects on System Administration

You must install the SAP Crystal Reports viewer before you can display the demo SAP Crystal Reports.

1.3.7 SCM_EWM_USAB_IMPL_1: Demo Data in Warehouse Cockpit and Monitor (New)

Use

As of SAP enhancement package 2 for SAP Extended Warehouse Management (SAP EWM) 7.0, you can display predefined demo data in the warehouse management monitor (WM monitor) and the warehouse cockpit. The WM monitor is a central tool for keeping warehouse managers constantly up-to-date as to the current situation in the warehouse, and also contains alert monitoring capabilities. The warehouse cockpit is a tool for displaying warehouse key figures and defined Easy Graphics Framework objects graphically, and evaluating or monitoring them using defined chart types. You can now export existing warehouse data from one system and import it into another system as demo data in a few steps. This allows you to set up a demo quickly and easily.

Effects on Existing Data

This enhancement does not affect the productive usage of EWM. You cannot use the demo feature in a system with the client role P - Productive.

The following modes are now available when you open the WM monitor or the warehouse cockpit:
- Display Demo Data Set
- Maintain Demo Data Set

The following new buttons are available in the Maintain demo data set mode:
- Export Cockpit Demo Data
- Import Cockpit Demo Data
- Administer Demo Data
1.3.8 SCM_EWM_USAB_IMPL_1: Enhanced Warehouse Order Printout (New)

Use
As of SAP enhancement package 2 for SAP Extended Warehouse Management (SAP EWM) 7.0, the warehouse order printout has been enhanced with packaging material information. This enhanced printout is available for SAP Smart Forms and PDF-Based Forms.

1.3.9 SCM_EWM_USAB_IMPL_1: Tool-Based ERP Integration (New)

Use
As of SAP enhancement package 2 for SAP Extended Warehouse Management (SAP EWM) 7.0, you can use the following implementation tools for the integration of SAP EWM with SAP ERP:

- Implementation Tool for System Connection
  You can use this tool to create the following settings:
  - General settings for the system landscape and the qRFC communication
  - Settings for master data integration
  - Settings for application integration
- Implementation Tool for Warehouse Integration
  You can use this tool to create the following settings:
  - Your warehouse number
  - The settings for ERP integration of your warehouse number
  - The standard EWM warehouse with preconfigured processes

Effects on Customizing
The implementation tools are available in Customizing for Extended Warehouse Management under Interfaces -> ERP Integration -> Tool-Based ERP Integration.
1.3.10 SCM_EWM_USAB_IMPL_1: Business Function EWM, Usability and Implementation 1 (New)

Use

As of SAP enhancement package 2 for SAP Extended Warehouse Management (SAP EWM) 7.0, the business function EWM, Usability and Implementation 1 (SCM_EWM_USAB_IMPL_1) is available. For more information, see the following release notes:

- SCM_EWM_USAB_IMPL_1: Tool-Based ERP Integration (New)
- SCM_EWM_USAB_IMPL_1: Migration from LE-WM (New)
- SCM_EWM_USAB_IMPL_1: Advanced Returns Management (New)
- SCM_EWM_USAB_IMPL_1: Cartonization Planning (New)
- SCM_EWM_USAB_IMPL_1: MFS for Case Conveyor Systems (New)
- SCM_EWM_USAB_IMPL_1: Collective Handling Units (New)
- SCM_EWM_USAB_IMPL_1: Enhanced Warehouse Order Printout (New)
- SCM_EWM_USAB_IMPL_1: SAP Crystal Reports in Warehouse Management Monitor (New)
- SCM_EWM_USAB_IMPL_1: Easy Warehouse Management Monitor Maintenance (New)
- SCM_EWM_USAB_IMPL_1: Replenishment of Entire Handling Units (New)
- SCM_EWM_USAB_IMPL_1: Demo Data in Warehouse Cockpit and Monitor (New)
- SCM_EWM_USAB_IMPL_1: Creation of Outbound Deliveries from the Packing Work Center (New)

Effects on Existing Data

Note: The activation of this business function affects not only EWM but all other SCM components that use the same SCM Basis system.

1.3.11 SCM_EWM_USAB_IMPL_1: MFS for Case Conveyor Systems (New)

Use

As of SAP enhancement package 2 for SAP Extended Warehouse Management (SAP EWM) 7.0 you can use the SAP EWM material flow system (MFS) for fast moving case conveyor systems. You can also connect automatic racks to the case conveyor system.
To use this feature, you must activate the business function EWM, Usability and Implementation 1 (SCM_EWM_USAB_IMPL_1).

Effects on Customizing

The following new activities are available in Customizing for Extended Warehouse Management under Material Flow System (MFS) -> Routing for Case Conveyor Systems:

- Define Logical Destination for EWM
- Define Logical Destination for PLC
- Define Routing for Case Conveyor System

You can use this activity to define the logical destination for a programmable logic controller (PLC) to which a handling unit (HU) should be moved.

The following enhanced activities are available in Customizing for Extended Warehouse Management:

- Material Flow System (MFS) -> Telegram Processing -> Define MFS Actions
  This activity has been enhanced with the field Asynchronous Action Function Module.
- Material Flow System (MFS) -> Master Data -> Define Programmable Logic Controller (PLC)
  This activity has been enhanced with the field PLC Mode.
- Material Flow System (MFS) -> Master Data -> Define MFS Queue
  This activity has been enhanced with a new domain value for the field Operation Environment.
- Cross-Process Settings -> Exception Handling -> Define Exception Codes
  This activity has been enhanced with a business context.

The following new Business Add-Ins (BAdIs) are available in Customizing for Extended Warehouse Management under Business Add-Ins (BAdIs) for Extended Warehouse Management -> Material Flow System (MFS) -> Case Conveyor System BAdIs:

- BAdI: Destination Determination
  You can use this BAdI to specify a warehouse task and determine a storage bin which is used as destination storage bin for the specified warehouse task.
- BAdI: Route Decision Determination
  You can use this BAdI to implement your own logic to determine the activity area to which direction the HU has to be moved to.
- BAdI: Destination Redetermination
  You can use this BAdI to determine the destination data for the HU-WT which is to be changed.
- BAdI: HU Check
  You can use this BAdI to check if the HU is ready for putaway.
- BAdI: Warehouse Task Check
You can use this BAdI to check the WTs for the HU and decide whether they should be confirmed or cancelled, and to create a follow-up WT for putaway for the HU.

1.3.12 SCM_EWM_USAB_IMPL_1: Migration from LE-WM (New)

Use

As of SAP enhancement package 2 for SAP Extended Warehouse Management (SAP EWM) 7.0, the feature Migration from LE-WM is available. You can use this feature to migrate the following data from an ERP LE-WM system:
- Warehouse-specific product data
- Storage bin data
- Stock data

Effects on Existing Data

The following new transactions are available on the SAP Easy Access screen for Extended Warehouse Management under Interfaces -> Migration from LE-WM:
- Warehouse Product Migration
- Storage Bin Migration
- Stock Migration
- Physical Inventory Completeness Migration
- Map Storage Unit Type to Packaging Material
- Map Alternative UoM to Packaging Material

Effects on Customizing

The following new activities are available in Customizing for Extended Warehouse Management under Interfaces -> Migration from LE-WM:
- Map LE-WM Storage Type to EWM Storage Type
  In this Customizing activity, you define the mapping of LE-WM storage types to EWM storage types.
- Assign Storage Type to Storage Bin
  In this Customizing activity, you define whether a storage type value should be assigned to a storage bin value during migration.
- Assign RFC Destinations to Logical Systems
  In this Customizing activity, you assign RFC destinations to logical systems.

The following new Business Add-Ins (BAdIs) are available in Customizing for Extended Warehouse.
Management under *Business Add-Ins (BAdIs) for Extended Warehouse Management* - > *Interfaces* - > *Migration from LE-WM*:

- **BAdI: Change Storage Bin Information During Download**
  You can use this BAdI to change the storage bin information and the storage bin sortation that is read from LE-WM.

- **BAdI: Change Stock Information During Download**
  You can use this BAdI to change the stock information that is read from LE-WM.

- **BAdI: Change Product Data During Download**
  You can use this BAdI to change the EWM-specific product information that is read from LE-WM. The product information is specific either on the warehouse number level or on the storage type level.

- **BAdI: Read Migration Data from ERP**
  You can use this BAdI to read data that is migrated from LE-WM.

### 1.3.13 SCM_EWM_USAB_IMPL_1: Creation of Outbound Deliveries from the Packing Work Center (New)

**Use**

As of SAP enhancement package 2 for SAP Extended Warehouse Management (EWM) 7.0, you can create outbound delivery orders (ODs) for handling units (HUs) from the packing work center without having to start the transaction for outbound deliveries.

**Effects on Existing Data**

The packing work center has been enhanced with the *Create OD* button.

### 1.3.14 SCM_EWM_USAB_IMPL_1: Replenishment of Entire Handling Units (New)

**Use**

As of SAP enhancement package 2 for SAP Extended Warehouse Management (EWM) 7.0, it is possible to replenish entire handling units (HUs) regardless of the exact replenishment quantity requested.
Effects on Customizing

The following enhanced activities are available in Customizing for EWM:

- **Extended Warehouse Management -> Master Data -> Define Storage Type**
  This activity has been enhanced with the field *Check Tolerance Replenishment Quantity During WT Creation* and a new domain value for the field *Round Warehouse Task Quantity to Whole Units*.

- **Extended Warehouse Management -> Cross-Process Settings -> Warehouse Task -> Define Warehouse Process Type**
  This activity has been enhanced with a new domain value for the field *Round Warehouse Task Quantity to Whole Units*.

1.3.15 SCM_EWM_USAB_IMPL_1: Easy Warehouse Management Monitor Configuration (New)

**Use**

The warehouse management monitor (WM monitor) is a central tool for keeping warehouse managers constantly up-to-date as to the current situation in the warehouse, and also contains alert monitoring capabilities. It offers a wide variety of nodes answering different questions. Currently, SAP delivers one tree definition for the WM monitor. It contains all available monitor nodes developed by SAP.

As of SAP enhancement package 2 for SAP Extended Warehouse Management (SAP EWM) 7.0, you can use a configuration tool to customize the warehouse management monitor for your business-specific needs in a more user friendly way.

The tool allows you to do the following:

- Display existing monitor trees, and use them as a basis for new tree definitions
- Create new monitor trees by dragging and dropping category and object nodes of existing trees
- Save the new tree definition in the Customizing tables, including transport connection, of the WM monitor

You can now easily create new monitor tree definitions, for example, for certain user groups.

Effects on Customizing

You must create the new monitor trees in the Customizing for *Extended Warehouse Management under Monitoring -> Warehouse Management Monitor -> Customize Monitor Tree*. 
1.3.16 SCM-EWM-MD  Master Data

1.3.16.1 SCM_EWM_MEAN: Business Function EWM, Additional GTINs (EANs/UPCs) for Product (New)

Use

As of SAP enhancement package 2 for SAP Extended Warehouse Management (SAP EWM) 7.0, the business function EWM. Additional GTINs (EANs/UPCs) for Product is available.

You can use this business function to maintain and use additional Global Trade Item Numbers (GTINs) (including International Article Numbers (EANs) and Universal Product Codes (UPCs)) for a unit of measure of a product in SAP Extended Warehouse Management (EWM). You can use additional GTINs, for example, to identify the same unit of measure of the same product by different vendors.

If additional GTINs exists in SAP EWM, you can use them to identify products in the functions where the entry of a GTIN is possible, for example, in product validation using radio-frequency (RF).

If you want to download additional GTINs from SAP ERP using Core Interface (CIF) by means of initial transfer or change transfer of material master data, you must activate the business function SCM. CIF Transfer of Additional GTINs (EANs/UPCs) for Material (LOG_SCM_MEAN_INT). This business function is available as of SAP enhancement package 6 for SAP ERP 6.0.

Caution

Additional GTINs from SAP ERP overwrite additional GTINs that you have maintained in SAP EWM.

Effects on Existing Data

The transaction for maintaining product master data and the transaction for maintaining warehouse product master data have been enhanced in the following way:

- To enable you to maintain additional GTINs, both transactions have been enhanced with the tab page Additional GTINs/EANs.
  To maintain product master data, on the SAP Easy Access screen, choose Extended Warehouse Management -> Master Data -> Product -> Maintain Product (or transaction /SAPA/PO/MAT1).
  To maintain warehouse product master data, on the SAP Easy Access screen, choose Extended Warehouse Management -> Master Data -> Product -> Maintain Warehouse Product (or transaction /SCWM/MAT1).

- To display whether additional GTINs exist in SAP EWM, the Units of Meas. (Units of Measures) tab page in both transactions has been enhanced with the field Additional GTINs/EANs exist.

Note: The activation of this business function affects not only EWM but all other SCM components that use the same SCM Basis system.
1.4 SCM-EM Event Management

1.4.1 SCM_EM_HIGHVOL: Archiving Improvements (New)

Use

As of SAP enhancement package 1 for SAP Event Management 7.0, business function EM, Archiving and Web Interface Improvements (SCM_EM_HIGHVOL), you can use a combined archiving concept for event handlers and event messages that supports processes with extremely high data volumes. Event handler sets are not supported. In detail, this archiving concept comprises the following:

- New archiving objects for event handlers and event messages:
  - SAPTRX_EH Event Handler in Event Management
  - SAPTRX_EVM Event Messages in Event Management
- Display of archived data on the Web user interface, for example, on the list screen or on the detail screen
  Event handler hierarchies are archived together with the event handlers and can be displayed. The display of event messages from superior event handlers in the hierarchy is not possible.
- Display of already archived events although the corresponding event handler is not archived.

Definition of Archiving Profiles and Archiving Sequences

In archiving you can define an archiving profile and an archiving sequence. This affects the way how data is retrieved from the database as well as the display of archived data on the Web user interface, for example. After you have saved the archiving sequence, you cannot change it anymore because this could lead to data inconsistencies.

If you want to display already archived event handler and event message data, you have to create an archiving profile for the related Web user interface and to assign it to a user profile.

For more information, see Customizing for SAP Event Management under Event Management -> Archive and Delete SAP Event Management Objects -> Define Archiving Profile for Querying Archive Files or Define Archiving Sequence for SAP Event Management Objects.

Definition of User Profiles

You can assign the archiving profile to a user profile, for example, to display already archived event handler and event message data.

For more information, see Customizing for SAP Event Management under Event Management -> Event Messages, Status Queries, and Web Interface -> Web Interface -> Define User Profiles.

Definition of Residence Times

The residence times can be defined via the already existing Customizing transaction Define Residence Times for Archiving and Deleting. Here the new Event Handler: Update Date residence time check for event handler archiving is available. That means every new event message processing for an inactive
event handler is retriggering the residence time. The event handlers are only archived if the residence time is passed.

Effects on Customizing

Access of Archived Data
- If you want to access archived data from the Web user interface or the SAP Event Management interfaces, you must have done the following in Customizing for SAP Event Management:
  - Set up appropriate archive information structures for the new archiving objects with the Archive Retrieval Configurator (transaction SARJ).
  - Define Archiving Profiles for Querying and Displaying Archive Files.
  - Define User Profiles and assign the archiving profile to the user profile that is linked to the Web interface transaction, on which you want to display archived data.

Additionally, you can define an archiving sequence for SAP Event Management objects. For more information, see Customizing for SAP Event Management under Event Management -> Archive and Delete SAP Event Management Objects.

Use of New Archiving Concept
- If you want to use the new archiving concept, you can use the following enhancements in Customizing for SAP Event Management:
  - Enhancements for Event Handler Archiving
    For more information, see Customizing for SAP Event Management under Event Management -> Business Add-Ins for SAP Event Management -> Enhancements for Event Handler Archiving.
  - Enhancements for Event Message Archiving
    For more information, see Customizing for SAP Event Management under Event Management -> Business Add-Ins for SAP Event Management -> Enhancements for Event Message Archiving.

See also

For more information, see SAP Help Portal at SAP Business Suite -> SAP Supply Chain Management -> SAP Event Management -> Data Archiving.

1.4.2 SCM_EM_HIGHVOL: Performance Optimizations (New)

Use
As of SAP enhancement package 1 for SAP Event Management 7.0, business function EM, Archiving and Web Interface Improvements (SCM_EM_HIGHVOL), you can use performance improvements, which supports processes with extremely high data volumes, which are tailored to specific applications, for example, item tracking of finished goods.
Usage of the Related New Archiving Concept
For more information, see SCM_EM_HIGHVOL: Archiving Improvements (New).
Various concepts are introduced, which help to reduce the required space for data storage as well as to optimize the data access during a query.

Suppress Creation of Query IDs
If it is unnecessary in a scenario, you can suppress the creation of a default query ID. Customer defined query IDs cannot be suppressed.

Suppress Storing of Irrelevant Entries in Table /SAPTRX/EH_EVMSG
If an event message is evaluated as irrelevant during rule processing by using rule activity QUIT_EVM_PROCESSING, you can suppress the creation of the related entry in table /SAPTRX/EH_EVMSG.

Effects on Customizing
If you want to improve the performance, you can do the following in Customizing for SAP Event Management:

- Suppress the creation of default query IDs for event handlers.
  The creation of query IDs is not necessary in every scenario. Currently one query ID is created for every event handler per default for the corresponding application object ID. If you do not want the creation of the default query ID, you can set Do Not Create Default Query ID for Event Handler. Customer defined query IDs cannot be suppressed.
  For more information, see Customizing for SAP Event Management under Event Management -> Event Handlers and Event Handler Data -> Event Handlers -> Define Event Handler Types.


See also
For more information, see SAP Help Portal at SAP Business Suite -> SAP Supply Chain Management -> SAP Event Management -> Data Archiving.

1.4.3 SCM_EM_HIGHVOL: Business Function EM, Archiving and Web Interface Improvements (New)

Use
As of SAP enhancement package 1 for SAP Event Management 7.0, the business function EM, Archiving and Web Interface Improvements is available. With this business function you can use features for
high-volume processing and archiving in SAP Event Management. This is especially helpful in processes where a comparably high number of objects are affected by an event, for example, reporting a packing hierarchy during item tracking.

For more information, see the following release notes:

- SCM_EM_HIGHVOL: Archiving Improvements (New)
- SCM_EM_HIGHVOL: Performance Optimizations (New)

Furthermore, you can use the following enhancements to the user interface (Web Dynpro ABAP):

- On the user interface (Web Dynpro ABAP) you can store your most common search criteria with Save Search As. The system saves your search criteria in the database and adds the new saved search name to the Saved Searches dropdown list box. If the search screen contains any date fields, the system first displays the Save Search Criteria window in which you can define dynamic date calculation rules. The system copies the operator for a dynamic date calculation from the selection screen. The system does not support ranges that include or exclude dates in a dynamic date calculation. The only exception to this is where you can use Current Date +/- NNN Days as a dynamic date calculation. When you choose the OK button in the Save Search Criteria window, the system then saves your search criteria and adds the new saved search name to the Saved Searches dropdown list box. The dropdown list box displays all saved searches depending on the tracking scenario you have chosen.

If you want to change the search criteria of an existing saved search, you can do the following:

- Choose the relevant saved search in the Saved Searches dropdown list box
- Change the criteria as appropriate
- Save the search criteria under the same name

If you had already defined dynamic date calculation rules for date fields, you must define and save the rules again.

- On the user interface (Web Dynpro ABAP) you can display search helps to fields on the search screen and the event message entry. This enables the system to display your own values in addition to the existing capabilities for SAP Event Management data.

Effects on Customizing

Assignment of Search Helps

If you want to display a search help to a configured field for selection or event messages, you must have done the assignment of the search help under Configure Fields for User Profiles in Customizing for SAP Event Management.

See also

1.4.4 AIE_OER_PTACOLDCHAIN: Business Function OER, Perf.-Opt. PTA/Cold Chain (New)

Use

As of SAP enhancement package 1 for SAP Event Management 7.0, the business function OER, Performance-Optimized PTA and Cold Chain is available. This business function is only supported if you are not already using an existing SAP object event repository but are implementing SAP object event repository for the first time in your system landscape. That is, you are not using data that already exists in SAP object event repository in your business processes. With this business function you can use two new variants of the secure tracking and tracing business scenario: High Volume Product Tracking and Authentication Visibility Process and Product Tracking and Authentication and Cold Chain Monitoring Visibility Process, which are a modified versions of the existing, fully standard EPCIS-compliant secure tracking and tracing business scenario.

- The High Volume Product Tracking and Authentication Visibility Process enables SAP object event repository (SAP OER) to support the secure tracking and tracing business scenario (EPCIS Capture and Query interface) for extremely high volume and high performance applications including archiving. The capture and query interfaces now allow the processing of IDs of any format, and an access of archived data in addition to data residing on the database. The new query SimpleEventQueryWithArchive offers the possibility to query and retrieve data transparently from the archive and the database through the EPCIS query interface.

  Note
  Consider the following implications when using this new visibility process:

  - IDs can have a maximum length of 50 characters
  - ID mapping is no longer used for EPCs, business transaction IDs, and business location IDs

  You can use the display of internal and external formats for values that are subject to the ID mapping, such as business steps, disposition codes, and business transaction types. For example, you can use such values for authorization purposes. For more information, see Customizing for SAP Auto-ID Infrastructure under Settings for SAP OER -> Master Data -> Vocabularies - ID Mapping -> Display Internal and External Formats of EPCIS Vocabulary.

- Extraction of secure tracking and tracing business scenario data to SAP NetWeaver Business Intelligence is not preconfigured

- The Product Tracking and Authentication and Cold Chain Monitoring Visibility Process enhances the new high performance secure tracking and tracing business scenario with new functions for cold chain monitoring.

  Note

This business function uses the basic functions provided in the business function EM, Archiving and Web Interface Improvements. For more information, see SCM_EM_HIGHVOL: Business Function EM, Archiving and Web Interface Improvements (New).
Effects on Customizing

- You can assign one archiving profile for ID tracking and one for document tracking (Assign Archiving Profiles).

- You cannot use method SET_EPC_PATTERN_LIMIT of Business Add-In (BAdI) /SAPTRX/BADI_EVT_QUERY because it is not called anymore in the standard coding.

- You can use the Business Add-In BAdI: Processing of Archived Event Handlers to implement the processing of IDs for which event handlers have already been archived.

If you want to use the new variants of the secure tracking and tracing business scenario, you can use the relevant Customizing settings with the prefix CCM10_ and PTA30_.

See also


1.4.5 SCM_EM_TMCCONTENT01: EM, Visibility Proc. for External Transportation Mgmt System (New)

Use

As of SAP enhancement package 1 for SAP Event Management 7.0, the business function EM, Visibility Proc. for External Transportation Mgmt System is available. With this business function, you can use SAP Event Management for specific scenarios that are managed in an external transportation management system. You can monitor different event handler types, for example, freight units and freight orders. Depending on your role in the transportation process you can choose different layouts for the user interface, such as shipper or consignee.

Effects on Customizing

If you want to use this visibility process, use the relevant Customizing settings with the prefix ODT20_.

1.5 SCM-FRE Forecasting and Replenishment

1.5.1 SCM_FRE_OPTIM: SCM-FRE, Replenishment and Optimization in F&R (New)#
Use

As of SAP enhancement package 2 for SAP SCM 7.0 (SCM 702), the business function *Replenishment and Optimization in F&R* (SCM_FRE_OPTIM) is available. With this business function, you can use the following features in SAP Forecasting and Replenishment (F&R):

- **Transport Load Optimization**
  For more information, see the release note SCM_FRE_OPTIM: Transport Load Optimization (TLO) (New)

- **Exception Suppression**
  For more information, see the release note SCM_FRE_OPTIM: Exceptions (New)

- **Corrected Consumption History**
  For more information, see the release note SCM_FRE_OPTIM: Corrected Consumption History (New)

- **UI Enhancements in SAP F&R Workbenches**
  For more information, see the release note SCM_FRE_OPTIM: SAP F&R UI Enhancements (New)

- **Forecast and Traceability Enhancements (Defining DIFs)**
  For more information, see the release note SCM_FRE_OPTIM: Forecast and Traceability Enhancements (New)

- **Source List in Source Determination**
  For more information, see the release note SCM_FRE_OPTIM: Source List (New)

- **Sales Orders in Demand Calculations (New)**
  For more information, see the release note SCM_FRE_OPTIM: Sales Orders in Demand Calculations (New)

See also


For correct processing of order lanes see SAP note number 1692546.

1.5.2 SCM_FRE_OPTIM: Corrected Consumption History (New)

Use

Before the FRP run executes the forecast calculation, the system pre-processes the weekly consumption
history. The purpose of this pre-processing is to correct consumption values that would otherwise disturb the forecast calculation, such as undefined values, negative values, weeks with Ignore DIF settings, weeks with out-of-stock occurrences, outliers, and exceptionally low values. Previously, there was no information available about the corrected consumption values and the reasons for the corrections.

As of SAP enhancement package 2 for SAP SCM 7.0 (SCM 702), business function Replenishment and Optimization in F&R (SCM_FRE_OPTIM), you can view the corrected consumption value plus the reason for the correction of the value in the Time Series screen of the Replenishment Workbench, the Product Workbench, and in cause determination.

Users may find it useful to see the corrected consumption history as well as the original consumption history when checking the automatically created order proposals, since this will mean that the forecast calculation of the FRP run is easier to understand. In addition, the reasons for the corrected consumption history may be a good indicator of the general data quality of the consumption history.

Effects on Existing Data

The Customizing settings for the activity Maintain Forecasting Profiles have been enhanced. A new checkbox, Output Corrected Consumption History, has been added to allow you to store, on location product level, the correction delta of the consumption history in the database. This correction delta, along with the original consumption data, serves as a basis for computing the corrected consumption history that is displayed in the Time Series screen.

See also

Release Note: SCM_FRE_OPTIM: SCM-FRE, Replenishment and Optimization in F&R

1.5.3 SCM_FRE_OPTIM: Forecast and Traceability Enhancements (New)

Use

As of SAP enhancement package 2 for SAP SCM 7.0 (SCM 702), business function Replenishment and Optimization in F&R (SCM_FRE_OPTIM), the following enhancements in the area of forecast handling and traceability are provided:

- **Dampening for trend component in regression method**
  In the Forecasting Profile, for forecast models with a trend component, you can dampen the trend for future forecast values by using a trend dampening factor that corresponds to your needs. A trend dampening factor is a number that is multiplied by the trend value (growth rate) for the calculation of each forecast value at the respective time.

- **Enhanced determination of zero stock days**
  Zero stock information is used in the correction of lost consumption due to out-of-stock occurrences. In the Forecasting Profile, you can choose to use the enhanced method of determining zero stock days when correcting the lost consumption, meaning that the system marks a day as a zero stock day only if both the reported stock and the consumption of the day in question is zero.
- **Forecast for inactive periods**
  Forecast values (and DIF effects) are also issued for future inactive periods (though they are not considered in the requirement calculation). Depending on the forecast method and the actual data constellation, the forecast values for inactive periods can sometimes be confusing. In the Forecasting Profile, you can choose to have the system set the calculated forecast values and DIF effects to zero for periods in which the location product is not listed.

- **Improved handling of first-time DIF occurrences**
  For DIFs where no DIF occurrences have previously been defined within the number of considered historical periods, you can manually define a correction DIF with the assumed effect. Alternatively, you can define a default correction factor for the DIF. The system applies this factor for occurrences of the DIF if the effect of the DIF could not be determined.

- **Enhanced method of filtering of DIFs by significance**
  In the Forecasting Profile, you can choose to use an enhanced method of filtering the DIFs to ensure that only DIFs containing information significant for the forecast calculation are considered. In the enhanced (multi-step) method, the system evaluates each DIF in a separate step, beginning with the DIF that has the least significant effect. This allows you to improve the quality of the forecasting by reducing the forecast outliers that can occur when many DIFs are defined in the system and different occurrences are valid at the same time.

- **Elimination of collinear DIFs**
  In some cases, problematic forecast values can be found to be caused by collinear DIFs, that is, DIFs whose effect cannot be determined properly because they occur in a very similar way as other DIFs. In the Forecasting Profile, you can choose to eliminate collinear DIFs from the forecast model and can control, for each location product, how the system treats DIFs with very similar occurrences in the past.

- **Enhanced use of dynamic minimum stock**
  In the Requirement Calculation Profile, a new option is available for defining the use of the dynamic minimum stock.

- **More flexible definition of Ignore DIFs**
  You can control the definition of DIFs in a more flexible way:
  - You can define more than one DIF of type ‘I’ (Ignore Historical Value) on location product level
  - DIFs assigned on location level can be defined as type ‘I’

- **Additional restriction: defining an absolute discount for the discount scales**
  Previously, discounts had to be defined as a percentage of the purchase price. With this release, you can enter an absolute discount in a defined currency for the Discount Scales additional restriction.

- **Output of preallocation information**
  Preallocation distributes a defined percentage of the forecast (without the safety amount) of future periods to previous periods, in order to avoid logistical bottlenecks. Previously, users could not tell if and how the order quantity was influenced by preallocation. In the Replenishment Workbench, you can now view the forecast quantity that was preallocated from future periods to earlier periods within the demand horizon of an order proposal item, including the quantities that have been preallocated from future periods to past demand periods and still need to be reserved for the consumption in the future.

- **Intermediate values of order quantity optimization**
In the Replenishment Workbench, you can view the intermediate results of the order quantity optimization process in the existing output interface. This helps to verify the order amounts and to create trust in the resulting values.

- **Output of corrected consumption history**
For more information about this new feature, see the release note SCM_FRE_OPTIM: Corrected Consumption History.

**Effects on Existing Data**

- The Customizing settings for the activity Maintain Forecasting Profiles have been enhanced. In accordance with the features listed above, the following new fields are provided:
  - **Dampening Factor for Trend Component**
  - **Linear Trend Dampening**
  - **Enhanced Determination of Zero Stock**
  - **Set FC for Inactive Periods to Zero**
  - **Filtering of DIFs by Significance**
  - **Elimination of Collinear DIFs**

- The Customizing settings for the activity Maintain Requirement Calculation Profiles have been enhanced. In accordance with the feature listed above, a new F4 option, **Use Dynamic Min. Stock if Static is not Defined**, is available for the field **Use Dynamic Minimum Stock**.

- You define the DIF types in the Customizing activity Define Demand Influencing Factors.

- The settings in the Restriction Profile have been enhanced. In the screen area **Additional Restriction**, if you select the **Discount Scales** radiobutton, a new option allows you to define an absolute discount in a currency of your choice.

- You can view the preallocation information, the corrected consumption history, and the intermediate values of the order quantity optimization in the Replenishment Workbench.

**See also**

Release Note: SCM_FRE_OPTIM: SCM-FRE, Replenishment and Optimization in F&R

**1.5.4 SCM_FRE_OPTIM: Exceptions in SAP F&R (New)**

**Use**

Previously, it was difficult for users to determine why an exception was generated in SAP F&R, and in many cases exceptions were generated that were not relevant for users at all.

As of SAP enhancement package 2 for SAP SCM 7.0 (SCM 702), business function **Replenishment and Optimization in F&R** (SCM_FRE_OPTIM), you can use criteria and rules to limit the use of SAP F&R
exception objects in certain situations. You can define the circumstances under which the relevance of an exception is different from the default Customizing settings, or you can suppress the exception entirely, meaning that no entries for the exception are written to the database.

**Effects on Existing Data**

The Customizing settings for high level exceptions have been enhanced, allowing you to define rules and criteria for the suppression of exceptions. You do this in the Customizing activity Maintain Configuration Data for High Level Exceptions. Four new parameters (Suppress Extraction to BW, Not Relevant for Display, Not Relevant for RWBS, and No Writing into Database) allow you to specify the suppression behavior of the system as necessary.

**See also**

Release Note: SCM_FRE_OPTIM: SCM-FRE, Replenishment and Optimization in F&R

### 1.5.5 SCM_FRE_OPTIM: Source List (New)

**Use**

As of SAP enhancement package 2 for SAP SCM 7.0 (SCM 702), business function *Replenishment and Optimization in F&R* (SCM_FRE_OPTIM), you can use source lists in source determination in SAP F&R. The source list, an existing component of the source of supply network in SAP ERP, contains the preferred sources of supply defined for a specific location product and the periods during which procurement from these sources is possible. In the ERP system, source list entries are evaluated to determine whether they are relevant for SAP F&R, and, if relevant, are transferred to SAP F&R to be taken into consideration during source determination.

Source of supply information is sent via the lane interface from the SAP ERP system to the SAP F&R system. The source of supply information is used during source determination, where transportation lanes with source list information are prioritized.

**Effects on Existing Data**

A new checkbox, *Source List Lanes Active*, in the Customizing activity Define Settings at Client Level has been added to enable you to activate the consideration of source list lanes in SAP F&R.

**See also**

Release Note: SCM_FRE_OPTIM: SCM-FRE, Replenishment and Optimization in F&R
1.5.6 SCM_FRE_OPTIM: Sales Orders in Demand Calculations (New)

Use

As of SAP enhancement package 2 for SAP SCM 7.0 (SCM 702), business function Replenishment and Optimization in F&R (SCM_FRE_OPTIM), sales orders can be considered as extraordinary demand in distribution centers (DCs) in requirements calculations.

In the SAP ERP system, sales order items are evaluated to determine whether they are relevant for SAP F&R, and, if relevant, are transferred to SAP F&R to be taken into consideration in demand calculations.

Sales order information is sent via the sales order interface from the SAP ERP system to the SAP F&R system. Sales order quantities can be used in requirements calculations and stock projection, and can be shown in time series screens of various UIs in SAP F&R such as RWB and CADE as well as the order proposal item detail screen, using the following KPRMs:

- SALORD_OPEN: open sales orders as open goods issues
- SALORD_COMPL: completed (already issued) sales orders

Effects on Existing Data

- A new checkbox, Consider Sales Order Quantities, in the Customizing activity Define Settings at Client Level, has been added to enable you to activate the inclusion of sales orders in SAP F&R calculations. A new field has also been added to enable you to define the period of time, in terms of days, in which completed sales orders can remain listed in the open sales orders table. This insures that cancellations received during the specified time period are more efficiently processed by the system.
- The Customizing activity Define Back Order Configuration, has been enhanced to enable you to include sales order handling in F&R processing: This activity allows you to define the time period, in terms of days, during which overdue open order proposal quantities (goods receipts) and open sales order quantities (goods issues) are considered in replenishment calculations. You can specify different time periods for goods receipts and goods issues. At the end of the specified time periods, the overdue open order proposal quantities and sales order quantities will no longer be included in replenishment calculations.
- A new checkbox, Exclude Completed Sales Orders from Consumption History, in the Customizing activity Maintain Forecasting Profiles, has been added to enable you to exclude completed sales order quantities from consumption history.

See also

Release Note: SCM_FRE_OPTIM: SCM-FRE, Replenishment and Optimization in F&R
1.5.7 SCM_FRE_OPTIM: Transport Load Optimization (TLO) (New)

Use

As of SAP enhancement package 2 for SAP SCM 7.0 (SCM 702), business function Replenishment and Optimization in F&R (SCM_FRE_OPTIM), you can use transport load optimization (TLO) in SAP F&R. The goal of the transport load optimization (TLO) is to calculate an optimal distribution of location product quantities to transportation units (TUs) that minimizes the number of required TUs. In addition, the TLO functionality also tries to optimize the transportation unit itself in terms of volume and weight capacity, taking into consideration physical restrictions such as the maximum loading height and weight and the number of available pallet positions.

In the SAP F&R workbenches, you can make product-transportation unit assignments in the line item of an order proposal. You can also merge TLO-relevant order proposals and you can split order proposals according to transportation units.

Transport load optimization consists of the following steps:

- **Initial load**
  First, the order quantity calculated in the replenishment step and optimized by the previous optimization steps is loaded to as many transportation units as required. The stackability is improved by filling up some incomplete logistic units (for example, filling up an incomplete layer to a complete layer so that another layer or pallet can be stacked on top). This results in a first solution that shows how to load a TU.

- **Consolidation**
  The consolidation step rearranges the loaded quantities. The rearrangement changes the position of the quantities on a TU, minimizes the stacks on a TU, or changes the TU itself. It does not split the units into smaller units or change the order quantity. The result is a loading variant that requires as few TUs as possible and corresponds to the TLO settings you have made. Usually, the last TU on the loading variant is not completely filled.

- **Save transportation units**
  The Save TUs functionality tries to find a loading variant that requires less transportation units than is calculated in the consolidation step. It splits the rounded units of measure into smaller units (which also have to be specified for rounding) and changes and rearranges the quantities. If one or more TUs can be saved, the optimization is complete. If not, the functionality tries to load the TUs so that the last TU contains no location products that avoid a possible drop (see next step). The system continues with the next step.

- **Drop last transportation unit**
  The system drops the last TU if both of the defined minimum thresholds in the restriction profile are undercut and if dropping is allowed for all location products on the TU. If the last TU is not dropped because one or both of the defined minimum thresholds in the Restriction Profile are not undercut, fill-up takes place.
  In the TLO profile, you can define what should happen if the last TU cannot be dropped because one of the location products on this TU does not allow dropping. Either the quantity calculated so far is ordered, meaning that the optimization has finished, or the TU is filled with future demands.

- **Fill-up**
  The fill-up step considers the number of required number of TUs that was determined in the
consolidation step. It does not change this number, but checks all TUs to find the best way of loading the TUs. When doing this, the system may increase or reduce the order quantity or split the rounded units of measure into smaller units (which also have to be specified for rounding).

**Effects on Existing Data**

- A new Customizing activity, Maintain Transport Load Optimization Profile, has been created. Here, you maintain the settings in the TLO Customizing Profile to control the optimization algorithm regarding what is allowed (such as the dropping of a transportation unit), so that TLO can compare and contrast different results.

- You define the units of measure that are considered as pallet, layer, and quarter pallet for TLO in the Restriction Profile. These definitions are valid for all location products belonging to the same location/supplier/subsupplier combination. However, you can use a new BAdI Change Definitions for Transport Load Optimization to define a unit of measure or its attributes differently for different location products.

- The F&R outbound interface has been enhanced with two new header fields and a new item field:

  **Header Fields**
  - TU_SPLIT (Char1)
    Indicates whether, in the receiving SAP ERP system, an order proposal will be split for items pertaining to different transportation units during purchase order creation
  - NUMITEMS (INT2)
    Indicates the number of items assigned to an order proposal header

  **Item Field**
  - TU (INT4)
    Numeric identifier of a transportation unit

**See also**

Release Note: SCM_FRE_OPTIM: SCM-FRE, Replenishment and Optimization in F&R

**1.5.8 SCM_FRE_OPTIM: SAP F&R UI Enhancements (New)**

**Use**

As of SAP enhancement package 2 for SAP SCM 7.0 (SCM 702), business function *Replenishment and Optimization in F&R (SCM_FRE_OPTIM)*, the following UI enhancements are available:

- **Starting the Replenishment Workbench with an Order Proposal Number**
  For different business reasons, you may need to start the Replenishment Workbench (RWB) with one particular order proposal number. A new selection screen (in addition to the existing RWB standard selection screen) has been created for this purpose. When you enter an order proposal
number in this new selection screen, the system searches for the order proposal, and then displays
the order proposal in the RWB.

- **Navigating to the Procurement Cycle from the RWB, PWB, and Cause Determination**
  Replenishment planners find it useful to review detailed procurement cycle information, for
  example, the upcoming order dates and delivery dates in the RWB. With this enhancement, the
  information from the corresponding procurement cycle will now be available in the RWB, Product
  Workbench (PWB), and in cause determination. This will help replenishment planners to more
  easily understand the order proposal quantity, since more information (such as the start and end of
  stock and demand periods) is available to them.
  You can navigate from the RWB, PWB, and from cause determination to the detailed information in
  the procurement cycle. To display the detailed information, choose the entry in the *Procurement
  Cycle* column for the order proposal item concerned.

- **Rounding Pushbutton in the SAP F&R Workbenches**
  Automatic rounding is automatically enabled in the system when you enter either the RWB or the
  PWB. Previously, if you chose the *Rounding* pushbutton, you disabled automatic rounding and the
  system did not round order proposals that you had created manually. This sometimes led to
  logistical constraints.
  With this release, you require the appropriate authorization to disable automatic rounding. The
  system uses an authority check to evaluate if you have the access rights to use the *Rounding
  pushbutton.*

- **Mass Change of Delivery Date in the RWB**
  It is now possible to change the delivery date of all or selected line items of an order proposal in the
  RWB. This is useful, for example, if the vendor has changed the delivery date or if you want to have
  certain products delivered earlier. When you choose to change the delivery date of multiple order
  proposal items, a dialog box appears in which you can specify the new delivery date. When you
  save, the system by default calculates other dependent scheduling dates automatically. Alternatively,
  if you want to specify the other scheduling dates yourself, you can choose the manual scheduling
  option. You can also have the system propose values for your consideration.

**See also**

Release Note: SCM_FRE_OPTIM: SCM-FRE, Replenishment and Optimization in F&R

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1.6 SCM-ICH  
Supply Network Collaboration

1.6.1 SCM_SNC_GEN_2: Business Function Supply Network Collaboration 2  
(New)

Use
As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the business function Supply Network Collaboration 2 is available. With this business function, you can do the following, for example:

- Introduce new reporting functionality with the new supplier performance management function.
- Improve the Transport Load Builder (TLB) function with usability improvements on the TLB Shipments Web screen.
- Enhance the Web screens on the Web user interface (Web UI) of the following applications with new fields and selection parameters:
  - Purchase order collaboration
  - Release processing
  - Delivery collaboration
  - Invoice collaboration
- Define how SAP SNC updates periods from a time series of a ProductActivityNotification XML message to the relevant time series on the SAP SNC Web UI.
- Enhance Business-Add Ins for file transfer.

For more information, see the following release notes:

- SCM_SNC_GEN_2: Manual Creation of Special TLB Shipments (New)
- SCM_SNC_GEN_2: Supplier Performance Management (New)
- SCM_SNC_GEN_2: Reset Times Series for Inbound XML Message (Enhanced)
- SCM_SNC_GEN_2: Purchase Order Collaboration Web Screens (Enhanced)
- SCM_SNC_GEN_2: Due List for Purchasing Documents Web Screens (Enhanced)
- SCM_SNC_GEN_2: Release Details Web Screen (Enhanced)
- SCM_SNC_GEN_2: File Transfer (Enhanced)

**1.6.2 SCM_SNC_GEN_SOH: Enhanced Processing of Queries in Due List for Purchasing Documents (New)**

Use
You can enable performance optimization for the queries on the Due List for Purchasing Documents screen by implementing SAP Notes 1925736 and 1925737 in your Support Package 9 of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0 system or by installing Support Package 10 or higher of SAP enhancement package 2 for SAP SNC 7.0. You may experience enhanced performance when using this feature.

Effects on Existing Data

You may experience enhanced performance when executing the queries on the Due List for Purchasing Documents screen when the relevant Customizing switch is on.

Effects on Data Transfer

To enable performance optimization for the queries on the Due List for Purchasing Documents screen, an existing Customizing activity has been enhanced. For more information, see Customizing for Supply Network Collaboration under Purchase Order -> Make General Settings for Purchase Orders.

To use additional fields in the data retrieval for due list for purchasing documents, a new Business Add-In (BAdI) is available. For example, you can use the fields previously added in the order structure as filters. For more information, see Customizing for Supply Network Collaboration under Business Add-Ins (BAdIs) for SNC -> Purchase Order -> BAdI: Field Selection for Enhanced Due List for Purchasing Documents.

See also

For more information, see SAP Library for SAP Supply Network Collaboration under SAP Supply Network Collaboration -> Business Functions (SAP Enhancement Package 2 for SAP SNC 7.0) -> SNC Performance Optimizations.

1.6.3 SCM_SNC_GEN_SOH: Visibility Buffer Based on ODM (New)

Use

As of Support Package 9 of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, you can select order document types for the visibility buffer based on order document management (ODM).

To enable the ODM-based visibility buffer for scheduling agreement releases (both forecast delivery schedules and just-in-time delivery schedules), implement SAP Notes 1913569, 1913570, and 1913832; or install Support Package 10 or higher of SAP enhancement package 2 for SAP SNC 7.0.

To use the ODM-based visibility buffer with replenishment order document type, implement SAP Note 1935809, or install Support Package 11 or higher of SAP enhancement package 2 for SAP SNC 7.0.
Effects on System Administration

For the initial load and synchronization of the ODM-based visibility buffer, you have to schedule the Initial Load and Synchronization of ODM-Based Visibility Buffer (/SCF/SOH_VISBUF_SYNC) report.

Effects on Customizing

To select order document types for which you want to switch on the ODM-based visibility buffer, the Select Order Document Types for ODM-Based Visibility Buffer Customizing activity is available. For more information, see Customizing for Supply Network Collaboration under Basic Settings -> Visibility -> Select Order Document Types for ODM-Based Visibility Buffer.

1.6.4 SCM702_ICH_GEN_QV: Parallel Processing of Building Blocks in Quick View (New)

Use

As of Support Package 9 of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, you can enable parallel processing of building blocks in quick view by implementing SAP Notes 1896338 and 1896339. You can also enable the feature by installing Support Package 10 or higher of SAP enhancement package 2 for SAP SNC 7.0.

The standard system processes and displays all the building blocks on the Quick View screen in one step. It means that you cannot see any data on the screen until all of the building blocks have been processed. If you enable this feature, the system processes the different quick view building blocks in parallel in the background. Once data is calculated for a specific building block, it appears on the screen immediately. As a result, the Quick View screen is faster and more responsive.

Note: This feature is only available for SAP delivered building blocks, but not for customer-defined ones.

Effects on System Administration

Since there are a limited number of dialog work processes and parallelization uses more of them, you may experience increased response time in the system or new users might be unable to log on to the system. The higher the number of dialog work processes to run in parallel, the greater the risk of running out of available dialog work processes. To avoid this, the system has a built-in check that automatically reduces the number of processes to 1 if the number of free dialog work processes is less than 20% of all available dialog work processes. To use parallelization more effectively, you can upgrade your hardware or increase the number of dialog work processes.

Quick view parallelization uses the shared objects memory, thus we recommend that you increase shared objects memory capacity, especially in the case of 32-bit systems, where the default setting is 20 MB.

Effects on Customizing

You can define parallelization options for quick view in Customizing for Supply Network Collaboration.
Collaboration under Basic Settings -> User Interfaces -> Configure Quick View.

You can define the number of dialog work processes to be used in parallel with the work process for the WebDynpro screen to calculate data in the building blocks on the Quick View screen. You can do this either for specific business partners or for all partners.

1.6.5 SCM702_ICH_GEN_SOH: SNC Performance Optimizations (New)

Use

As of Support Package 9 of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the business function SNC Performance Optimizations is available.

Note: Certain features mentioned below require the implementation of the SAP Notes provided in brackets following the respective feature. You can also enable these features by installing the specified Support Package.

With this business function, you can do the following:

- Enable the visibility buffer based on order document management for the following order document types:
  - Advanced shipping notification
  - Purchase order
  - Scheduling agreement release (both forecast delivery schedules and just-in-time delivery schedules) (for this feature, implement SAP Notes 1913569, 1913570, and 1913832; or install Support Package 10 or higher of SAP enhancement package 2 for SAP SNC 7.0)
  - Replenishment order (for this feature, implement SAP Note 1935809 or install Support Package 11 or higher of SAP enhancement package 2 for SAP SNC 7.0)

- Enable performance optimization for the following queries:
  - Due confirmations in the Purchase Order (PO) Worklist
  - All queries in the Due List for Purchasing Documents (for this feature, implement SAP Notes 1925736 and 1925737; or install Support Package 10 or higher of SAP enhancement package 2 for SAP SNC 7.0)
  - Enable parallel processing of building blocks for the quick view (for this feature, implement SAP Notes 1896338 and 1896339; or install Support Package 10 or higher of SAP enhancement package 2 for SAP SNC 7.0)

For more information, see the following release notes:

- Visibility Buffer Based on Order Document Management (New)
- Enhanced Processing of Due Confirmations in the PO Worklist (New)
- Enhanced Processing in Due List for Purchasing Documents (New)
- Parallel Processing of Building Blocks in Quick View (New)
1.6.6 Roles for SAP Supply Network Collaboration

Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the following roles are new, have been changed, or are obsolete:

- The *ASN Maintenance* (Supplier) (SAP_SCM_ICH_ASN_SUP) role is now obsolete and has been replaced by the *ASN Maintenance* (Supplier) (SAP_SCM_ICH_ASN_SUP_2) role.

- The *Dynamic Replenishment* (Supplier) (SAP_SCM_ICH_DR_SUP) role is now obsolete and has been replaced by the *Dynamic Replenishment* (Supplier) (SAP_SCM_ICH_DR_SUP_2) role.

- The *Forecast Collaboration* (Supplier) (SAP_SCM_ICH_FCS_SUP) role is now obsolete and has been replaced by the *Forecast Collaboration* (Supplier) (SAP_SCM_ICH_FCS_SUP_2) role.

- The *Forecast Collaboration* (Customer) (SAP_SCM_ICH_FCS_CUS) role is now obsolete and has been replaced by the *Forecast Collaboration* (Customer) (SAP_SCM_ICH_FCS_CUS_2) role.

- The *Invoice Maintenance* (Supplier) (SAP_SCM_ICH_IV_SUP) role is now obsolete and has been replaced by the *Invoice Maintenance* (Supplier) (SAP_SCM_ICH_IV_SUP_2) role.

- The *Outsourced Manufacturing: Order Processing* (Supplier) (SAP_SCM_ICH_OMO_SUP) role is now obsolete and has been replaced by the *Outsourced Manufacturing: Order Processing* (Supplier) (SAP_SCM_ICH_OMO_SUP_2) role.

- The *Outsourced Manufacturing: Order Processing* (Customer) (SAP_SCM_ICH_OMO_CUS) role is now obsolete and has been replaced by the *Outsourced Manufacturing: Order Processing* (Customer) (SAP_SCM_ICH_OMO_CUS_2) role.

- The *Outsourced Manufacturing: Planning* (Supplier) (SAP_SCM_ICH_OMP_SUP) role is now obsolete and has been replaced by the *Outsourced Manufacturing: Planning* (Supplier) (SAP_SCM_ICH_OMP_SUP_2) role.

- The *Outsourced Manufacturing: Planning* (Customer) (SAP_SCM_ICH_OMP_CUS) role is now obsolete and has been replaced by the *Outsourced Manufacturing: Planning* (Customer) (SAP_SCM_ICH_OMP_CUS_2) role.

- The *Purchase Order Processing* (Supplier) (SAP_SCM_ICH_PO_SUP) role is now obsolete and has been replaced by the *Purchase Order Processing* (Supplier) (SAP_SCM_ICH_PO_SUP_2) role.
- The **Quality Collaboration (Supplier)** (SAP_SCM_ICH_QN_SUP) role is now obsolete and has been replaced by the **Quality Collaboration (Supplier)** (SAP_SCM_ICH_QN_SUP_2) role.

- The **Release and Kanban Processing (Supplier)** (SAP_SCM_ICH_RK_SUP) role is now obsolete and has been replaced by the **Release and Kanban Processing (Supplier)** (SAP_SCM_ICH_RK_SUP_2) role.

- The **Replenishment Processing (Supplier)** (SAP_SCM_ICH_RP_SUP) role is now obsolete and has been replaced by the **Replenishment Processing (Supplier)** (SAP_SCM_ICH_RP_SUP_2) role.

- The **Supplier Collaboration: Superuser (Customer)** (SAP_SCM_ICH_SU_CUS) role is now obsolete and has been replaced by the **Supplier Collaboration: Superuser (Customer)** (SAP_SCM_ICH_SU_CUS_2) role.

- The **Supplier Collaboration: Superuser and Administrator (Supplier)** (SAP_SCM_ICH_SU_SUP) role is now obsolete and has been replaced by the **Supplier Collaboration: Superuser and Administrator (Supplier)** (SAP_SCM_ICH_SU_SUP_2) role.

- The **Responsive Replenishment: Planner (Supplier)** (SAP_ICH_PLANNER) role is now obsolete and has been replaced by the **Responsive Replenishment: Planner (Supplier)** (SAP_ICH_PLANNER_2) role.

- The **Supplier Collaboration: Administrator (Customer)** (SAP_SCM_ICH_ADM_CUS) role is now obsolete and has been replaced by the **Supplier Collaboration: Administrator (Customer)** (SAP_SCM_ICH_ADM_CUS_2) role.

For more information, see the documentation of these roles in the SAP Library.

1.6.7 SCM-ICH-AFS Functions for SAP Apparel and Footwear

1.6.7.1 SCM_SNC_GEN_2: Business Function Supply Network Collaboration 2 (New)

Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the business function Supply Network Collaboration 2 is available. With this business function, you can do the following, for example:

- Introduce new reporting functionality with the new supplier performance management function.
- Improve the Transport Load Builder (TLB) function with usability improvements on the TLB Shipments Web screen.

- Enhance the Web screens on the Web user interface (Web UI) of the following applications with new fields and selection parameters:
  - Purchase order collaboration
  - Release processing
  - Delivery collaboration
  - Invoice collaboration

- Define how SAP SNC updates periods from a time series of a ProductActivityNotification XML message to the relevant time series on the SAP SNC Web UI.

- Enhance Business-Add Ins for file transfer.

For more information, see the following release notes:

- SCM_SNC_GEN_2: Manual Creation of Special TLB Shipments (New)
- SCM_SNC_GEN_2: Supplier Performance Management (New)
- SCM_SNC_GEN_2: Reset Times Series for Inbound XML Message (Enhanced)
- SCM_SNC_GEN_2: Purchase Order Collaboration Web Screens (Enhanced)
- SCM_SNC_GEN_2: Due List for Purchasing Documents Web Screens (Enhanced)
- SCM_SNC_GEN_2: Release Details Web Screen (Enhanced)
- SCM_SNC_GEN_2: File Transfer (Enhanced)

1.6.8 SCM-ICH-AMO   Alert Monitor

1.6.8.1 SCM_SNC_GEN_2: Business Function Supply Network Collaboration 2 (New)

Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the business function Supply Network Collaboration 2 is available. With this business function, you can do the
following, for example:
- Introduce new reporting functionality with the new supplier performance management function.
- Improve the Transport Load Builder (TLB) function with usability improvements on the *TLB Shipments* Web screen.
- Enhance the Web screens on the Web user interface (Web UI) of the following applications with new fields and selection parameters:
  - Purchase order collaboration
  - Release processing
  - Delivery collaboration
  - Invoice collaboration
- Define how SAP SNC updates periods from a time series of a *ProductActivityNotification* XML message to the relevant time series on the SAP SNC Web UI.
- Enhance Business-Add Ins for file transfer.

For more information, see the following release notes:
- SCM_SNC_GEN_2: Manual Creation of Special TLB Shipments (New)
- SCM_SNC_GEN_2: Supplier Performance Management (New)
- SCM_SNC_GEN_2: Reset Times Series for Inbound XML Message (Enhanced)
- SCM_SNC_GEN_2: Purchase Order Collaboration Web Screens (Enhanced)
- SCM_SNC_GEN_2: Due List for Purchasing Documents Web Screens (Enhanced)
- SCM_SNC_GEN_2: Release Details Web Screen (Enhanced)
- SCM_SNC_GEN_2: File Transfer (Enhanced)

### 1.6.8.2 SCM702_ICH_SOH_EXC: Performance Optimizations for SNC Exception Management (New)

**Use**

As of Support Package 11 of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the business function *Performance Optimizations for SNC Exception Management*
(SCM_SNC_SOH_EXC) is available. With this business function you can experience enhanced performance when you use the Alert Monitor in SAP SNC provided that the database management system of your SAP SNC system meets certain requirements. For more information about the required capabilities of the database, see SAP Note 1984247.

The enhanced alert engine supports alert types that are assigned to any of the following SAP SNC alert categories:

- Delivery alerts (DELIVERY)
- VMI replenishment (DRPV)
- Forecast alerts (FORECAST)
- Inventory alerts (INVENTORY)
- Invoice alerts (INVOICE)
- Kanban alerts (KANBAN)
- Promotion - location product (PROM1)
- Promotion - partner (PROM2)
- Purchase order alert (PURCHASE)
- Quality collaboration (QUALITY)
- Release alerts (RELEASE)
- Replenishment order alerts (REFLENSH)
- Shipment alerts (SHIMENT)
- Load builder - lane (TLB1)
- Load builder - location product (TLB2)
- VMI demand planning (VMIF)
- Messaging alerts (VMII)
- DIC alerts (VMIV)
- Work order alerts (WORKORDER)

To enable this business function, install Support Package 11 of SAP enhancement package 2 for SAP SNC 7.0.

**Restrictions**

Alert categories that are not included in the above list are not supported in the enhanced alert engine.

When using the general alert engine, if you give product-related search criteria for alert types that have no product information, the search still returns results. This no longer works with the enhanced alert engine. For example, for alert types that belong to the shipment alerts (SHIMENT) and the load builder - lane (TLB1) alert categories, the search returns no results when you provide values for the following search criteria:

- Product
- My product no.
- APN type / APN
- Product group type / Product group value

If you use the enhanced alert engine, the system ignores location and product authorization settings when it manages alerts. If you use those authorization objects to restrict the list of visible locations and products for individual users in certain business processes, we recommend that you use the general alert engine to manage the alert types relevant for those processes.

In the general alert engine, any search returns results based on the master data as it is at the moment when the search is initiated. In the enhanced alert engine, the same search returns results based on the master data as it was at the time when the alert was created, that is, if there has been a change in master data after an alert was created based on it, the system will not list the corresponding alerts as search results.

**Effects on System Administration**

To use the enhanced alert engine, first you must load the already existing alert data into it by executing the Initial Load of Alerts into the Enhanced Alert Engine report using transaction /SCA/ALMIGR_TO_ENH.

To load back existing alert data from the enhanced alert engine, you must run the Load of Alert Data from the Enhanced Alert Engine report (transaction /SCA/ALMIGR_FROM_ENH).

To delete obsolete alert data from the alert history tables, you must execute the Deletion of Alert History Records from the Enhanced Alert Engine report using transaction /SCA/ENHALERT_HSTDEL.

To delete obsolete alert data from the database tables of the enhanced alert engine, you run the Deletion of Alert Data from Enhanced Alert Engine report (transaction /SCA/ENHALERT_DELETE).

**Effects on Customizing**

Note: When you activate this business function, the Customizing activity in Customizing for Supply Network Collaboration under Basic Settings -> Exceptions -> Alert Type Activation -> Activate Alert Types is replaced by the Define Alert Engine and Activate Alert Types Customizing activity.

To enable the enhanced alert engine for specific alert types, you make the relevant settings in Customizing for Supply Network Collaboration under Basic Settings -> Exceptions -> Alert Type Activation -> Define Alert Engine and Activate Alert Types.

You can override the default implementation for mapping or map the parameter names used in the general alert engine to the parameter names used in the enhanced alert engine. For more information see Customizing for Supply Network Collaboration under Business Add-Ins (BAdIs) for SNC -> Exceptions -> Enhanced Alert Engine -> BAdI: Parameter Mapping Between Alert Engines.

**See also**

1.6.9 SCM-ICH-ASN Advanced Shipping Notification and Shipment

1.6.9.1 SCM_SNC_GEN_2: Due List for Purchasing Documents Web Screens (Enhanced)

Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, you can use the following new fields in the Due List for Purchasing Documents Web screens on the SAP SNC Web user interface:

- The customer’s purchasing group
- The order type code of the purchasing document
  The order type code defines the type of purchasing document the customer has sent the supplier using a two-letter code or a two-digit code.

The Due List for Purchasing Documents has been enhanced as follows:

- On the supplier view, the Purchasing Group and Order Type Code selection parameters and fields are available.
- On the customer view, the new Order Type Code selection parameter and field is available.

Effects on Customizing

In Customizing for Supply Network Collaboration, you must map order type codes from the customer’s back-end system to order type codes from SAP SNC. You map the order type codes under Purchase Order -> Map External Order Type Code to Internal OrderType Code in SAP SNC.

See also

For more information, see:

- The main release note for the business function Supply Network Collaboration 2 (SCM_SNC_GEN_2).
- The SCM_SNC_GEN_2: Purchase Order Collaboration Web Screens (Enhanced) release note which explains the enhancements to the ReplenishmentOrderNotification XML message that transfers the order type code.

1.6.9.2 SCM_SNC_GEN_2: Business Function Supply Network Collaboration 2
As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the business function Supply Network Collaboration 2 is available. With this business function, you can do the following, for example:

- Introduce new reporting functionality with the new supplier performance management function.
- Improve the Transport Load Builder (TLB) function with usability improvements on the TLB Shipments Web screen.
- Enhance the Web screens on the Web user interface (Web UI) of the following applications with new fields and selection parameters:
  - Purchase order collaboration
  - Release processing
  - Delivery collaboration
  - Invoice collaboration
- Define how SAP SNC updates periods from a time series of a ProductActivityNotification XML message to the relevant time series on the SAP SNC Web UI.
- Enhance Business-Add Ins for file transfer.

For more information, see the following release notes:

- SCM_SNC_GEN_2: Manual Creation of Special TLB Shipments (New)
- SCM_SNC_GEN_2: Supplier Performance Management (New)
- SCM_SNC_GEN_2: Reset Times Series for Inbound XML Message (Enhanced)
- SCM_SNC_GEN_2: Purchase Order Collaboration Web Screens (Enhanced)
- SCM_SNC_GEN_2: Due List for Purchasing Documents Web Screens (Enhanced)
- SCM_SNC_GEN_2: Release Details Web Screen (Enhanced)
- SCM_SNC_GEN_2: File Transfer (Enhanced)
1.6.10 SCM-ICH-DIO  Inbound/Outbound Data Processing

1.6.10.1 SCM_SNC_GEN_2: Reset Time Series for Inbound XML Message (Enhanced)

Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, you can define how SAP SNC updates periods from time series in an inbound ProductActivityNotification XML message to the relevant time series on a specific Web screen of the SAP SNC Web user interface.

Effects on Customizing


See also

For more information, see:
- The main release note for the business function Supply Network Collaboration 2 (SCM_SNC_GEN_2).

1.6.10.2 SCM_SNC_GEN_2: Business Function Supply Network Collaboration 2 (New)

Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the business function Supply Network Collaboration 2 is available. With this business function, you can do the following, for example:
- Introduce new reporting functionality with the new supplier performance management function.
- Improve the Transport Load Builder (TLB) function with usability improvements on the TLB Shipment Web screen.
- Enhance the Web screens on the Web user interface (Web UI) of the following applications with new fields and selection parameters:
- Purchase order collaboration
- Release processing
- Delivery collaboration
- Invoice collaboration

- Define how SAP SNC updates periods from a time series of a ProductActivityNotification XML message to the relevant time series on the SAP SNC Web UI.
- Enhance Business-Add Ins for file transfer.

For more information, see the following release notes:
- SCM_SNC_GEN_2: Manual Creation of Special TLB Shipments (New)
- SCM_SNC_GEN_2: Supplier Performance Management (New)
- SCM_SNC_GEN_2: Reset Times Series for Inbound XML Message (Enhanced)
- SCM_SNC_GEN_2: Purchase Order Collaboration Web Screens (Enhanced)
- SCM_SNC_GEN_2: Due List for Purchasing Documents Web Screens (Enhanced)
- SCM_SNC_GEN_2: Release Details Web Screen (Enhanced)
- SCM_SNC_GEN_2: File Transfer (Enhanced)

1.6.11 SCM-ICH-EM Event Management for SAP SNC

1.6.11.1 SCM_SNC_GEN_2: Business Function Supply Network Collaboration 2 (New)

Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the business function Supply Network Collaboration 2 is available. With this business function, you can do the following, for example:

- Introduce new reporting functionality with the new supplier performance management function.
- Improve the Transport Load Builder (TLB) function with usability improvements on the TLB Shipments Web screen.
- Enhance the Web screens on the Web user interface (Web UI) of the following applications with new fields and selection parameters:
  - Purchase order collaboration
  - Release processing
  - Delivery collaboration
  - Invoice collaboration
- Define how SAP SNC updates periods from a time series of a ProductActivityNotification XML message to the relevant time series on the SAP SNC Web UI.
- Enhance Business-Add Ins for file transfer.

For more information, see the following release notes:
- SCM_SNC_GEN_2: Manual Creation of Special TLB Shipments (New)
- SCM_SNC_GEN_2: Supplier Performance Management (New)
- SCM_SNC_GEN_2: Reset Times Series for Inbound XML Message (Enhanced)
- SCM_SNC_GEN_2: Purchase Order Collaboration Web Screens (Enhanced)
- SCM_SNC_GEN_2: Due List for Purchasing Documents Web Screens (Enhanced)
- SCM_SNC_GEN_2: Release Details Web Screen (Enhanced)
- SCM_SNC_GEN_2: File Transfer (Enhanced)

1.6.12 SCM-ICH-ERP ERP-SNC Integration

1.6.12.1 SCM_SNC_GEN_2: Business Function Supply Network Collaboration 2 (New)

Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the business function Supply Network Collaboration 2 is available. With this business function, you can do the following, for example:
- Introduce new reporting functionality with the new supplier performance management function.
- Improve the Transport Load Builder (TLB) function with usability improvements on the TLB Shipments Web screen.

- Enhance the Web screens on the Web user interface (Web UI) of the following applications with new fields and selection parameters:
  - Purchase order collaboration
  - Release processing
  - Delivery collaboration
  - Invoice collaboration

- Define how SAP SNC updates periods from a time series of a ProductActivityNotification XML message to the relevant time series on the SAP SNC Web UI.

- Enhance Business-Add Ins for file transfer.

For more information, see the following release notes:

- SCM_SNC_GEN_2: Manual Creation of Special TLB Shipments (New)
- SCM_SNC_GEN_2: Supplier Performance Management (New)
- SCM_SNC_GEN_2: Reset Times Series for Inbound XML Message (Enhanced)
- SCM_SNC_GEN_2: Purchase Order Collaboration Web Screens (Enhanced)
- SCM_SNC_GEN_2: Due List for Purchasing Documents Web Screens (Enhanced)
- SCM_SNC_GEN_2: Release Details Web Screen (Enhanced)
- SCM_SNC_GEN_2: File Transfer (Enhanced)

1.6.13 SCM-ICH-FCS

1.6.13.1 SCM_SNC_GEN_2: Business Function Supply Network Collaboration 2 (New)

Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the business function Supply Network Collaboration 2 is available. With this business function, you can do the
following, for example:
- Introduce new reporting functionality with the new supplier performance management function.
- Improve the Transport Load Builder (TLB) function with usability improvements on the *TLB Shipments* Web screen.
- Enhance the Web screens on the Web user interface (Web UI) of the following applications with new fields and selection parameters:
  - Purchase order collaboration
  - Release processing
  - Delivery collaboration
  - Invoice collaboration
- Define how SAP SNC updates periods from a time series of a *ProductActivityNotification* XML message to the relevant time series on the SAP SNC Web UI.
- Enhance Business-Add Ins for file transfer.

For more information, see the following release notes:
- SCM_SNC_GEN_2: Manual Creation of Special TLB Shipments (New)
- SCM_SNC_GEN_2: Supplier Performance Management (New)
- SCM_SNC_GEN_2: Reset Times Series for Inbound XML Message (Enhanced)
- SCM_SNC_GEN_2: Purchase Order Collaboration Web Screens (Enhanced)
- SCM_SNC_GEN_2: Due List for Purchasing Documents Web Screens (Enhanced)
- SCM_SNC_GEN_2: Release Details Web Screen (Enhanced)
- SCM_SNC_GEN_2: File Transfer (Enhanced)

1.6.14 SCM-ICH-FTR        File Transfer

1.6.14.1 SCM_SNC_GEN_2: File Transfer (Enhanced)

Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the following
file transfer Business Add-Ins (BAdIs) have been enhanced:

- **BAdI: Create File for Due List for Purchasing Documents** (/SCA/FTR_FILE_ASNDLPD)
  
  The BAdI has been enhanced to enable the CSV file to display the following data:
  
  - Carrier party
  - Carrier (SCAC) ID
  - Bill of lading

- **BAdI: Create File for Purchase Order Interface** (/SCA/FTR_FILE_PO)
  
  The BAdI has been enhanced to enable the CSV file to display the component requirement date.

See also

For more information, see:

- The main release note for the business function Supply Network Collaboration 2 (SCM_SNC_GEN_2).


### 1.6.14.2 SCM_SNC_GEN_2: Business Function Supply Network Collaboration 2 (New)

#### Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the business function Supply Network Collaboration 2 is available. With this business function, you can do the following, for example:

- Introduce new reporting functionality with the new supplier performance management function.

- Improve the Transport Load Builder (TLB) function with usability improvements on the *TLB Shipment* Web screen.

- Enhance the Web screens on the Web user interface (Web UI) of the following applications with new fields and selection parameters:
  
  - Purchase order collaboration
  - Release processing
  - Delivery collaboration
  - Invoice collaboration
- Define how SAP SNC updates periods from a time series of a ProductActivityNotification XML message to the relevant time series on the SAP SNC Web UI.

- Enhance Business-Add Ins for file transfer.

For more information, see the following release notes:

- SCM_SNC_GEN_2: Manual Creation of Special TLB Shipments (New)
- SCM_SNC_GEN_2: Supplier Performance Management (New)
- SCM_SNC_GEN_2: Reset Times Series for Inbound XML Message (Enhanced)
- SCM_SNC_GEN_2: Purchase Order Collaboration Web Screens (Enhanced)
- SCM_SNC_GEN_2: Due List for Purchasing Documents Web Screens (Enhanced)
- SCM_SNC_GEN_2: Release Details Web Screen (Enhanced)
- SCM_SNC_GEN_2: File Transfer (Enhanced)

1.6.15 SCM-ICH-IMO

1.6.15.1 SCM_SNC_GEN_2: Business Function Supply Network Collaboration 2 (New)

Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the business function Supply Network Collaboration 2 is available. With this business function, you can do the following, for example:

- Introduce new reporting functionality with the new supplier performance management function.
- Improve the Transport Load Builder (TLB) function with usability improvements on the TLB Shipments Web screen.
- Enhance the Web screens on the Web user interface (Web UI) of the following applications with new fields and selection parameters:
  - Purchase order collaboration
  - Release processing
- Delivery collaboration
- Invoice collaboration
- Define how SAP SNC updates periods from a time series of a ProductActivityNotification XML message to the relevant time series on the SAP SNC Web UI.
- Enhance Business-Add Ins for file transfer.

For more information, see the following release notes:
- SCM_SNC_GEN_2: Manual Creation of Special TLB Shipments (New)
- SCM_SNC_GEN_2: Supplier Performance Management (New)
- SCM_SNC_GEN_2: Reset Times Series for Inbound XML Message (Enhanced)
- SCM_SNC_GEN_2: Purchase Order Collaboration Web Screens (Enhanced)
- SCM_SNC_GEN_2: Due List for Purchasing Documents Web Screens (Enhanced)
- SCM_SNC_GEN_2: Release Details Web Screen (Enhanced)
- SCM_SNC_GEN_2: File Transfer (Enhanced)

1.6.16 SCM-ICH-IV Invoice

1.6.16.1 SCM_SNC_GEN_2: Invoice Details Web Screens (Enhanced)

Use
As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the Bank Check Number field is available on the supplier view and customer view of the Invoice Details Web screen of the SAP Supply Network Collaboration Web user interface.

Effects on Data Transfer
The PaymentAdviceNotification XML message has been enhanced with a field for the bank check number (ChequeReference in the XML message) to transfer the data from the customer's back-end system.
See also

For more information, see:

- The main release note for the business function Supply Network Collaboration 2 (SCM_SNC_GEN_2).

1.6.16.2 SCM_SNC_GEN_2: Business Function Supply Network Collaboration 2 (New)

Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the business function Supply Network Collaboration 2 is available. With this business function, you can do the following, for example:

- Introduce new reporting functionality with the new supplier performance management function.
- Improve the Transport Load Builder (TLB) function with usability improvements on the TLB Shipments Web screen.
- Enhance the Web screens on the Web user interface (Web UI) of the following applications with new fields and selection parameters:
  - Purchase order collaboration
  - Release processing
  - Delivery collaboration
  - Invoice collaboration
- Define how SAP SNC updates periods from a time series of a ProductActivityNotification XML message to the relevant time series on the SAP SNC Web UI.
- Enhance Business-Add Ins for file transfer.

For more information, see the following release notes:

- SCM_SNC_GEN_2: Manual Creation of Special TLB Shipments (New)
- SCM_SNC_GEN_2: Supplier Performance Management (New)
- SCM_SNC_GEN_2: Reset Times Series for Inbound XML Message (Enhanced)
- SCM_SNC_GEN_2: Purchase Order Collaboration Web Screens (Enhanced)
- SCM_SNC_GEN_2: Due List for Purchasing Documents Web Screens (Enhanced)
- SCM_SNC_GEN_2: Release Details Web Screen (Enhanced)
- SCM_SNC_GEN_2: File Transfer (Enhanced)

1.6.17 SCM-ICH-KNB    Kanban

1.6.17.1 SCM_SNC_GEN_2: Business Function Supply Network Collaboration 2 (New)

Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the business function Supply Network Collaboration 2 is available. With this business function, you can do the following, for example:

- Introduce new reporting functionality with the new supplier performance management function.
- Improve the Transport Load Builder (TLB) function with usability improvements on the TLB Shipments Web screen.
- Enhance the Web screens on the Web user interface (Web UI) of the following applications with new fields and selection parameters:
  - Purchase order collaboration
  - Release processing
  - Delivery collaboration
  - Invoice collaboration
- Define how SAP SNC updates periods from a time series of a ProductActivityNotification XML message to the relevant time series on the SAP SNC Web UI.
- Enhance Business-Add Ins for file transfer.

For more information, see the following release notes:

- SCM_SNC_GEN_2: Manual Creation of Special TLB Shipments (New)
- SCM_SNC_GEN_2: Supplier Performance Management (New)
- SCM_SNC_GEN_2: Reset Times Series for Inbound XML Message (Enhanced)
- SCM_SNC_GEN_2: Purchase Order Collaboration Web Screens (Enhanced)
1.6.18 SCM-ICH-MD   Master Data

1.6.18.1 SCM_SNC_GEN_2: Business Function Supply Network Collaboration 2 (New)

Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the business function Supply Network Collaboration 2 is available. With this business function, you can do the following, for example:

- Introduce new reporting functionality with the new supplier performance management function.
- Improve the Transport Load Builder (TLB) function with usability improvements on the TLB Shipments Web screen.
- Enhance the Web screens on the Web user interface (Web UI) of the following applications with new fields and selection parameters:
  - Purchase order collaboration
  - Release processing
  - Delivery collaboration
  - Invoice collaboration
- Define how SAP SNC updates periods from a time series of a ProductActivityNotification XML message to the relevant time series on the SAP SNC Web UI.
- Enhance Business-Add Ins for file transfer.

For more information, see the following release notes:

- SCM_SNC_GEN_2: Manual Creation of Special TLB Shipments (New)
- SCM_SNC_GEN_2: Supplier Performance Management (New)
- SCM_SNC_GEN_2: Reset Times Series for Inbound XML Message (Enhanced)
- SCM_SNC_GEN_2: Purchase Order Collaboration Web Screens (Enhanced)
- SCM_SNC_GEN_2: Due List for Purchasing Documents Web Screens (Enhanced)
- SCM_SNC_GEN_2: Release Details Web Screen (Enhanced)
- SCM_SNC_GEN_2: File Transfer (Enhanced)

### 1.6.19 SCM-ICH-NDC Net Requirements Calculation

#### 1.6.19.1 SCM_SNC_GEN_2: Business Function Supply Network Collaboration 2 (New)

**Use**

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the business function Supply Network Collaboration 2 is available. With this business function, you can do the following, for example:

- Introduce new reporting functionality with the new supplier performance management function.
- Improve the Transport Load Builder (TLB) function with usability improvements on the TLB Shipment Web screen.
- Enhance the Web screens on the Web user interface (Web UI) of the following applications with new fields and selection parameters:
  - Purchase order collaboration
  - Release processing
  - Delivery collaboration
  - Invoice collaboration
- Define how SAP SNC updates periods from a time series of a ProductActivityNotification XML message to the relevant time series on the SAP SNC Web UI.
- Enhance Business-Add Ins for file transfer.

For more information, see the following release notes:
1.6.20 SCM-ICH-PO

Purchase Order and Replenishment Order

1.6.20.1 SCM_SNC_GEN_2: Business Function Supply Network Collaboration 2 (New)

Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the business function Supply Network Collaboration 2 is available. With this business function, you can do the following, for example:

- Introduce new reporting functionality with the new supplier performance management function.
- Improve the Transport Load Builder (TLB) function with usability improvements on the *TLB Shipment* Web screen.
- Enhance the Web screens on the Web user interface (Web UI) of the following applications with new fields and selection parameters:
  - Purchase order collaboration
  - Release processing
  - Delivery collaboration
  - Invoice collaboration
- Define how SAP SNC updates periods from a time series of a *ProductActivityNotification* XML message to the relevant time series on the SAP SNC Web UI.
- Enhance Business-Add Ins for file transfer.

For more information, see the following release notes:
- SCM_SNC_GEN_2: Manual Creation of Special TLB Shipments (New)
- SCM_SNC_GEN_2: Supplier Performance Management (New)
- SCM_SNC_GEN_2: Reset Times Series for Inbound XML Message (Enhanced)
- SCM_SNC_GEN_2: Purchase Order Collaboration Web Screens (Enhanced)
- SCM_SNC_GEN_2: Due List for Purchasing Documents Web Screens (Enhanced)
- SCM_SNC_GEN_2: Release Details Web Screen (Enhanced)
- SCM_SNC_GEN_2: File Transfer (Enhanced)

1.6.20.2 SCM_SNC_GEN_2: Purchase Order Collaboration Web Screens (Enhanced)

Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, you can view the following data in the Purchase Order Collaboration Web screens on the SAP SNC Web user interface:

- The customer's purchasing group on the relevant supplier view Web screens

- The order type code of the purchase order
  The order type code defines the type of the purchase order (PO) using a numeric or alphabetic code that can consist of up to four characters, for example 01 for a standard PO.

- The customer reference
  The customer reference identifies the person responsible for the purchasing document in your company using a number or a code.

- The supplier reference
  The supplier reference identifies the individual who is responsible for the purchasing document at the supplier using a number or a code.

- The component requirement date
  The component requirement date defines the date by which the subcontractor expects the required quantity for the component.
The following Web screens have been enhanced as follows:

- **Supplier view of the Purchase Order Worklist Web screen**
  For all standard queries, the new selection parameters *Purchasing Group* and *Order Type Code* are available as well as the following new fields:
  - *Purchasing Group*
  - *Order Type Code*
  - *Customer Reference*
  - *Supplier Reference*
  Furthermore, the *Component Requirement Date* field is available in the *Confirmation* pop-up.

- **Customer view of the Purchase Order Worklist Web screen**
  For all standard queries, the new selection parameter *Order Type Code* is available as well as the following new fields:
  - *Order Type Code*
  - *Customer Reference*
  - *Supplier Reference*

- **Supplier view of the Purchase Order - Overview and Purchase Order - Overview History Web screens**
  The *Purchasing Group* and *Order Type Code* selection parameters and fields are available.

- **Customer view of the Purchase Order - Overview and Purchase Order - Overview History Web screens**
  The *Order Type Code* selection parameter and field is available.

- **Supplier view of the Purchase Order Details Web screen**
  The following fields are available:
  - *Customer Reference*
  - *Supplier Reference*
  - *Purchasing Group*
  - *Order Type Code*
  - *Component Requirement Date*

- **Customer view of the Purchase Order Details Web screen**
  The following fields are available:
  - *Customer Reference*
  - *Supplier Reference*
  - *Order Type Code*
  - *Component Requirement Date*

- **Goods recipient view of the Purchase Order Details Web screen**
  The following fields are available:
  - *Customer Reference*
- Supplier Reference
- Purchasing Group
- Order Type Code
- Component Requirement Date

- Purchase Order Item Groups
  On both the supplier view and customer view of the Purchase Order Item Groups Web screen, the Purchasing Group selection parameter is available in the value help of the Purchase Order Number, Purchase Order Item Number, and Customer fields.

- Purchase Order Details History
  On both the supplier view and customer view of the Purchase Order Details History Web screen, the following new fields are available:
  - Customer Reference
  - Supplier Reference
  - Order Type Code
  - Component Requirement Date

Effects on Data Transfer

The following XML messages have been enhanced with new fields to transfer the relevant data using XML messages from the customer's back-end system to SAP SNC and from SAP SNC to the customer's back-end system:

- PurchaseOrderERPReplenishmentOrderCollaborationNotification
  The PurchaseOrderERPReplenishmentOrderCollaborationNotification XML message has been enhanced with fields for the following data:
  - Customer reference (in the XML message this field is called BuyerReferenceNote)
  - Supplier reference (in the XML message this field is called SellerReferenceNote)
  - Component requirement date (in the XML message this field is called RequirementDate)

- ReplenishmentOrderNotification
  The ReplenishmentOrderNotification XML message has been enhanced with fields for the following data:
  - Customer reference (in the XML message this field is called BuyerReferenceNote)
  - Supplier reference (in the XML message this field is called SellerReferenceNote)
  - Component requirement date (in the XML message this field is called RequirementDate)
  - The order type code that the customer uses in their back-end system (in the XML message this field is called OLTP Processing Type Code)

Effects on Customizing
In Customizing for Supply Network Collaboration under Purchase Order -> Make General Settings for Purchase Orders, you must make the following settings:

- In the Create Approval Profiles view, you can make settings to remove the following pushbuttons from the supplier view of the Purchase Order Details Web screen:
  - Copy Components
  - Add Components
  - Delete Components
  To remove the pushbuttons, set the Rule for Component Edit field to Buttons Are Not Displayed in the Create Approval Profiles screen area.

- In the Define Order Type Codes view and the Assign Order Type Codes view, you must define order type codes for SAP SNC and assign them to order type codes from the customer's back-end system.

See also

For more information, see:

- The main release note for the business function Supply Network Collaboration 2 (SCM_SNC_GEN_2).

1.6.20.3 SCM_SNC_GEN_SOH: Enhanced Processing of Due Confirmations in the PO Worklist (New)

Use

As of Support Package 9 of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, you can enable performance optimization for the already existing feature, the Process Due Confirmations query in the purchase order (PO) worklist. As a result, you may experience enhanced performance.

Effects on Existing Data

You may experience enhanced performance when executing the process due confirmations query on the PO worklist screen when the relevant Customizing switch is on.

Effects on Customizing

To enable performance optimization for the process due confirmations query in the PO worklist, an existing Customizing activity has been enhanced. For more information, see Customizing for Supply Network Collaboration under Purchase Order -> Make General Settings for Purchase Orders.

To use additional fields in the data retrieval process for due confirmations in the PO worklist, a new Business Add-In (BAdI) is available. For example, you can use the fields previously added in the order
structure as filters. For more information, see Customizing for Supply Network Collaboration under Business Add-ins (BAdIs) for SNC -> Purchase Order -> BAdI: Field Selection for Enhanced Due Confirmations in PO.

See also

For more information, see SAP Library for SAP Supply Network Collaboration under SAP Supply Network Collaboration -> Business Functions (SAP Enhancement Package 2 for SAP SNC 7.0) -> SNC Performance Optimizations.

1.6.21 SCM-ICH-PRO  Promotion Planning

1.6.21.1 SCM_SNC_GEN_2: Business Function Supply Network Collaboration 2 (New)

Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the business function Supply Network Collaboration 2 is available. With this business function, you can do the following, for example:

- Introduce new reporting functionality with the new supplier performance management function.
- Improve the Transport Load Builder (TLB) function with usability improvements on the TLB Shipments Web screen.
- Enhance the Web screens on the Web user interface (Web UI) of the following applications with new fields and selection parameters:
  - Purchase order collaboration
  - Release processing
  - Delivery collaboration
  - Invoice collaboration
- Define how SAP SNC updates periods from a time series of a ProductActivityNotification XML message to the relevant time series on the SAP SNC Web UI.
- Enhance Business-Add Ins for file transfer.

For more information, see the following release notes:

- SCM_SNC_GEN_2: Manual Creation of Special TLB Shipments (New)
- SCM_SNC_GEN_2: Supplier Performance Management (New)
- SCM_SNC_GEN_2: Reset Times Series for Inbound XML Message (Enhanced)
- SCM_SNC_GEN_2: Purchase Order Collaboration Web Screens (Enhanced)
- SCM_SNC_GEN_2: Due List for Purchasing Documents Web Screens (Enhanced)
- SCM_SNC_GEN_2: Release Details Web Screen (Enhanced)
1.6.22 SCM-ICH-QM  Quality

1.6.22.1 SCM_SNC_GEN_2: Business Function Supply Network Collaboration 2 (New)

Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the business function Supply Network Collaboration 2 is available. With this business function, you can do the following, for example:

- Introduce new reporting functionality with the new supplier performance management function.
- Improve the Transport Load Builder (TLB) function with usability improvements on the **TLB Shipments** Web screen.
- Enhance the Web screens on the Web user interface (Web UI) of the following applications with new fields and selection parameters:
  - Purchase order collaboration
  - Release processing
  - Delivery collaboration
  - Invoice collaboration
- Define how SAP SNC updates periods from a time series of a **ProductActivityNotification** XML message to the relevant time series on the SAP SNC Web UI.
- Enhance Business-Add Ins for file transfer.

For more information, see the following release notes:

- SCM_SNC_GEN_2: Manual Creation of Special TLB Shipments (New)
- SCM_SNC_GEN_2: Supplier Performance Management (New)
- SCM_SNC_GEN_2: Reset Times Series for Inbound XML Message (Enhanced)
- SCM_SNC_GEN_2: Purchase Order Collaboration Web Screens (Enhanced)
- SCM_SNC_GEN_2: Due List for Purchasing Documents Web Screens (Enhanced)
- SCM_SNC_GEN_2: Release Details Web Screen (Enhanced)
- SCM_SNC_GEN_2: File Transfer (Enhanced)

1.6.23 SCM-ICH-REL  Scheduling Agreement Release

1.6.23.1 SCM_SNC_GEN_2: Business Function Supply Network Collaboration 2 (New)

Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the business function Supply Network Collaboration 2 is available. With this business function, you can do the following, for example:

- Introduce new reporting functionality with the new supplier performance management function.
- Improve the Transport Load Builder (TLB) function with usability improvements on the TLB Shipments Web screen.
- Enhance the Web screens on the Web user interface (Web UI) of the following applications with new fields and selection parameters:
  - Purchase order collaboration
  - Release processing
  - Delivery collaboration
  - Invoice collaboration
- Define how SAP SNC updates periods from a time series of a ProductActivityNotification XML message to the relevant time series on the SAP SNC Web UI.
- Enhance Business-Add Ins for file transfer.

For more information, see the following release notes:

- SCM_SNC_GEN_2: Manual Creation of Special TLB Shipments (New)
- SCM_SNC_GEN_2: Supplier Performance Management (New)
1.6.23.2 SCM_SNC_GEN_2: Release Details Web Screen (Enhanced)

Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the Purchasing Group field has been added to the Release Header tab page on the supplier view of the Release Details Web screen of the SAP SNC Web user interface.

See also

For more information, see:

- The main release note for the business function Supply Network Collaboration 2 (SCM_SNC_GEN_2).

1.6.24 SCM-ICH-REP Reporting

1.6.24.1 SCM_SNC_GEN_2: Business Function Supply Network Collaboration 2 (New)
Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the business function Supply Network Collaboration 2 is available. With this business function, you can do the following, for example:

- Introduce new reporting functionality with the new supplier performance management function.
- Improve the Transport Load Builder (TLB) function with usability improvements on the TLB Shipments Web screen.
- Enhance the Web screens on the Web user interface (Web UI) of the following applications with new fields and selection parameters:
  - Purchase order collaboration
  - Release processing
  - Delivery collaboration
  - Invoice collaboration
- Define how SAP SNC updates periods from a time series of a ProductActivityNotification XML message to the relevant time series on the SAP SNC Web UI.
- Enhance Business-Add Ins for file transfer.

For more information, see the following release notes:

- SCM_SNC_GEN_2: Manual Creation of Special TLB Shipments (New)
- SCM_SNC_GEN_2: Supplier Performance Management (New)
- SCM_SNC_GEN_2: Reset Times Series for Inbound XML Message (Enhanced)
- SCM_SNC_GEN_2: Purchase Order Collaboration Web Screens (Enhanced)
- SCM_SNC_GEN_2: Due List for Purchasing Documents Web Screens (Enhanced)
- SCM_SNC_GEN_2: Release Details Web Screen (Enhanced)
- SCM_SNC_GEN_2: File Transfer (Enhanced)

1.6.24.2 SCM_SNC_GEN_2: Supplier Performance Management (New)

Use
As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the Supplier Performance Management function is available. Supplier performance management provides you with a tool to analyze the performance of your entire supply base or to analyze the performance of individual suppliers based on rating criteria. You can use the following two functions of supplier performance management to analyze the performance of your suppliers:

- Supply base performance analysis
  You can use this function to analyze the performance of your entire supply base. In supply base performance analysis, the performance of suppliers is rated in SAP SNC on the basis of the following four different rating criteria:
    - Accuracy of the advanced shipping notification
    - On-time delivery
    - Accuracy of supplier confirmations
    - Shipping discrepancy
  The results of the performance rating are then extracted to SAP NetWeaver Business Warehouse (SAP NetWeaver BW) using data extractors. In SAP NetWeaver BW, the system calculates a final score for the suppliers using a scoring table. You can view the scores using various standard queries that, for example, rank the performance of the supplier or display the details of the performance based on the rating criteria. To run the queries you can use the SAP Business Explorer Analyser.

- Direct performance analysis
  You can use this function to analyze the performance of a single supplier or a small number of suppliers who you suspect are not performing well enough. In direct performance analysis, the performance of suppliers is rated in SAP SNC on the basis of three different rating criteria:
    - Accuracy of the advanced shipping notification
    - On-time delivery
    - Accuracy of supplier confirmations
  In contrast to supply base performance analysis, direct performance analysis uses standard queries on the SAP SNC Web user interface (Web UI) to analyze the results of the supplier performance in real-time. The queries use operational data providers that directly read the relevant data from tables in SAP SNC. You can display the data in the queries using the standard SAP List Viewer or SAP Crystal Reports.

Effects on Existing Data

Effects on Menus

The Web menu for customers and suppliers in SAP SNC has been enhanced by the following entry: Tools -> Supplier Performance Management. From the Supplier Performance Management node, you can access the queries for direct performance analysis.

The area menu has been enhanced by the following new entry: Supply Network Collaboration -> Tools -> Supplier Performance Management.

Effects on Customizing
You must make Customizing settings for both supply base performance analysis and direct performance analysis in SAP SNC. In SAP NetWeaver BW, you must make settings for supply base performance analysis.

**Customizing settings in SAP SNC**

You make the Customizing settings for both supply base performance analysis and direct performance analysis in Customizing for *Supply Network Collaboration*, in the following Customizing activities:

- **Tools** -&gt; **Supplier Performance Management** -&gt;
  - Make Global Settings
  - Define Date Type Used in Rating Criteria
  - Define Time Window
  - Define Time Window for On-Time Delivery Rating Criteria
  - Define Quantity Tolerance
  - Determine Use of Release Type

**Customizing settings in SAP NetWeaver BW**

You make the Customizing settings for supply base performance analysis in Customizing for *SAP NetWeaver* in the following Customizing activities:

- **Business Intelligence** -&gt; **Settings for BI Content** -&gt; **Supply Chain Management** -&gt; **Supplier Performance Management** -&gt;
  - Define Significant Document Type
  - Define Global Parameters for Supplier Performance Management
  - Define Category for Rating Criteria
  - Define Rating Criteria for Supplier Performance Management
  - List Rating Criteria
  - Score Lookup
  - Define Calculation Rules for Score
  - Weighting Factors for On-time Delivery in Quantity Algorithm

**See also**

For more information about what objects are new or enhanced for SAP SNC in SAP NetWeaver BW, see the BI content release notes for SAP NetWeaver 7.0 BI Content Add-On 6.

For more information, see the main release note for the business function *Supply Network Collaboration 2 (SCM_SNC_GEN_2)* and SAP Library for SAP Supply Network Collaboration on SAP Help Portal at [http://help.sap.com](http://help.sap.com) under *SAP Supply Network Collaboration* -&gt; *Cross-Application Functions* -&gt; *Supplier Performance Management*. 
1.6.25 SCM-ICH-RET  Returns

1.6.25.1 SCM_SNC_GEN_2: Business Function Supply Network Collaboration 2 (New)

Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the business function Supply Network Collaboration 2 is available. With this business function, you can do the following, for example:

- Introduce new reporting functionality with the new supplier performance management function.
- Improve the Transport Load Builder (TLB) function with usability improvements on the `TLB Shipments` Web screen.
- Enhance the Web screens on the Web user interface (Web UI) of the following applications with new fields and selection parameters:
  - Purchase order collaboration
  - Release processing
  - Delivery collaboration
  - Invoice collaboration
- Define how SAP SNC updates periods from a time series of a `ProductActivityNotification` XML message to the relevant time series on the SAP SNC Web UI.
- Enhance Business-Add Ins for file transfer.

For more information, see the following release notes:

- SCM_SNC_GEN_2: Manual Creation of Special TLB Shipments (New)
- SCM_SNC_GEN_2: Supplier Performance Management (New)
- SCM_SNC_GEN_2: Reset Times Series for Inbound XML Message (Enhanced)
- SCM_SNC_GEN_2: Purchase Order Collaboration Web Screens (Enhanced)
- SCM_SNC_GEN_2: Due List for Purchasing Documents Web Screens (Enhanced)
- SCM_SNC_GEN_2: Release Details Web Screen (Enhanced)
- SCM_SNC_GEN_2: File Transfer (Enhanced)
1.6.26 SCM-ICH-SCO  Supplier Confirmations

1.6.26.1 SCM_SNC_GEN_2: Business Function Supply Network Collaboration 2 (New)

Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the business function Supply Network Collaboration 2 is available. With this business function, you can do the following, for example:

- Introduce new reporting functionality with the new supplier performance management function.
- Improve the Transport Load Builder (TLB) function with usability improvements on the TLB Shipments Web screen.
- Enhance the Web screens on the Web user interface (Web UI) of the following applications with new fields and selection parameters:
  - Purchase order collaboration
  - Release processing
  - Delivery collaboration
  - Invoice collaboration
- Define how SAP SNC updates periods from a time series of a ProductActivityNotification XML message to the relevant time series on the SAP SNC Web UI.
- Enhance Business-Add Ins for file transfer.

For more information, see the following release notes:

- SCM_SNC_GEN_2: Manual Creation of Special TLB Shipments (New)
- SCM_SNC_GEN_2: Supplier Performance Management (New)
- SCM_SNC_GEN_2: Reset Times Series for Inbound XML Message (Enhanced)
- SCM_SNC_GEN_2: Purchase Order Collaboration Web Screens (Enhanced)
- SCM_SNC_GEN_2: Due List for Purchasing Documents Web Screens (Enhanced)
- SCM_SNC_GEN_2: Release Details Web Screen (Enhanced)
- SCM_SNC_GEN_2: File Transfer (Enhanced)
1.6.27 SCM-ICH-SNI  Supply Network Inventory

1.6.27.1 SCM_SNC_GEN_2: Business Function Supply Network Collaboration 2 (New)

Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the business function Supply Network Collaboration 2 is available. With this business function, you can do the following, for example:

- Introduce new reporting functionality with the new supplier performance management function.
- Improve the Transport Load Builder (TLB) function with usability improvements on the TLB Shipment Web screen.
- Enhance the Web screens on the Web user interface (Web UI) of the following applications with new fields and selection parameters:
  - Purchase order collaboration
  - Release processing
  - Delivery collaboration
  - Invoice collaboration
- Define how SAP SNC updates periods from a time series of a ProductActivityNotification XML message to the relevant time series on the SAP SNC Web UI.
- Enhance Business-Add Ins for file transfer.

For more information, see the following release notes:

- SCM_SNC_GEN_2: Manual Creation of Special TLB Shipments (New)
- SCM_SNC_GEN_2: Supplier Performance Management (New)
- SCM_SNC_GEN_2: Reset Times Series for Inbound XML Message (Enhanced)
- SCM_SNC_GEN_2: Purchase Order Collaboration Web Screens (Enhanced)
- SCM_SNC_GEN_2: Due List for Purchasing Documents Web Screens (Enhanced)
- SCM_SNC_GEN_2: Release Details Web Screen (Enhanced)
- SCM_SNC_GEN_2: File Transfer (Enhanced)
1.6.28 SCM-ICH-TLB  Transport Load Builder

1.6.28.1 SCM_SNC_GEN_2: Business Function Supply Network Collaboration 2 (New)

Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the business function Supply Network Collaboration 2 is available. With this business function, you can do the following, for example:

- Introduce new reporting functionality with the new supplier performance management function.
- Improve the Transport Load Builder (TLB) function with usability improvements on the TLB Shipments Web screen.
- Enhance the Web screens on the Web user interface (Web UI) of the following applications with new fields and selection parameters:
  - Purchase order collaboration
  - Release processing
  - Delivery collaboration
  - Invoice collaboration
- Define how SAP SNC updates periods from a time series of a ProductActivityNotification XML message to the relevant time series on the SAP SNC Web UI.
- Enhance Business-Add Ins for file transfer.

For more information, see the following release notes:

- SCM_SNC_GEN_2: Manual Creation of Special TLB Shipments (New)
- SCM_SNC_GEN_2: Supplier Performance Management (New)
- SCM_SNC_GEN_2: Reset Times Series for Inbound XML Message (Enhanced)
- SCM_SNC_GEN_2: Purchase Order Collaboration Web Screens (Enhanced)
- SCM_SNC_GEN_2: Due List for Purchasing Documents Web Screens (Enhanced)
- SCM_SNC_GEN_2: Release Details Web Screen (Enhanced)
1.6.28.2 SCM_SNC_GEN_2: Manual Creation of Special TLB Shipments (New)

Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, you can manually create special TLB shipments (such as cross-docking, multi-stop, or multi-pickup). You can modify existing special TLB shipments or convert an existing direct TLB shipment to a special TLB shipment for remaining quantities on the TLB Shipments Web screen.

Effects on Existing Data

On the header level for the TLB shipment (TLB Shipments) of the TLB Shipments Web screen, the ShipSce. (Shipping Scenario) field has been added and the Ship-From Location and Ship-To Location fields have become editable.

On the item level for the TLB shipment (TLB Shipment Details) of the TLB Shipments Web screen, the following new fields have been added:
- Ship. Date (Shipping Date)
- Ship. Time (Shipping Time)
- Deliv. Date (Delivery Date)
- Deliv. Time (Delivery Time)

See also

For more information, see:
- The main release note for the business function Supply Network Collaboration 2 (SCM_SNC_GEN_2).

1.6.29 SCM-ICH-WO Work Order

1.6.29.1 SCM_SNC_GEN_2: Business Function Supply Network Collaboration 2 (New)

Use

As of SAP enhancement package 2 for SAP Supply Network Collaboration (SAP SNC) 7.0, the business function Supply Network Collaboration 2 is available. With this business function, you can do the following, for example:

- Introduce new reporting functionality with the new supplier performance management function.
- Improve the Transport Load Builder (TLB) function with usability improvements on the TLB Shipments Web screen.
- Enhance the Web screens on the Web user interface (Web UI) of the following applications with new fields and selection parameters:
  - Purchase order collaboration
  - Release processing
  - Delivery collaboration
  - Invoice collaboration
- Define how SAP SNC updates periods from a time series of a ProductActivityNotification XML message to the relevant time series on the SAP SNC Web UI.
- Enhance Business-Add Ins for file transfer.

For more information, see the following release notes:

- SCM_SNC_GEN_2: Manual Creation of Special TLB Shipments (New)
- SCM_SNC_GEN_2: Supplier Performance Management (New)
- SCM_SNC_GEN_2: Reset Times Series for Inbound XML Message (Enhanced)
- SCM_SNC_GEN_2: Purchase Order Collaboration Web Screens (Enhanced)
- SCM_SNC_GEN_2: Due List for Purchasing Documents Web Screens (Enhanced)
- SCM_SNC_GEN_2: Release Details Web Screen (Enhanced)
- SCM_SNC_GEN_2: File Transfer (Enhanced)