

DP-SPECIFIC SCM 5.0 RELEASE NOTES

Applies to:

Supply Chain Management 5.0 component SCM-APO-FCS (Demand Planning).

Summary

This document is an excerpt from the complete SCM 5.0 release notes that only contains DP relevant changes.

Created on: 6 May 2006

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Key Figure Properties for DP Planning Areas (Enhanced)

Use

As of SCM 5.0, you can use new key figure properties when creating and changing a planning area for Demand Planning (DP). In addition, you can even change most of the key figure properties for initialized planning areas.

New Key Figure Properties for Creating and Changing a Planning Area

You can make the following new settings for each key figure of a planning area:

- Accuracy of a key figure (number of decimal places)
- Key figure type
- Neg. not allowed indicator
- Fixable Zero indicator
- Zero allowed indicator
- Cannot Change Past indicator

Changing Key Figure Properties for Initialized Planning Areas

Up to now, you could only change a few key figure properties in planning areas that were already initialized. These included, for example, the setting for time-based disaggregation and the calculation type. As of SAP SCM 5.0, you can also change the following key figure properties for an initialized planning area:

- Time-based disaggregation
- Time-based disaggregation key figure
- Calculation type for a key figure
- Accuracy of a key figure (number of decimal places)
- Key figure type
- Neg. not allowed indicator
- Fixable Zero indicator
- Zero allowed indicator
- Cannot Change Past indicator
- InfoCube

You can conveniently make these settings in planning area maintenance. On the *Change Planning Area* screen, choose *Extras* -> *Key Figure Settings*.

In addition, you can add or delete key figures. However, you can only delete key figures that are no longer used in planning books, data views, macros, or demand forecasts. To find out where a specific key figure is used, see the where-used list.

NOTE: Only experienced users should be allowed to delete key figures or change key figure properties in initialized planning areas. If you make changes here, the time series objects have to be adjusted directly in liveCache and in the database. Since these changes are time-consuming, we recommend that you make the changes to key figure properties in the background. All the changes in the planning area are logged. You can transport the planning area changes to a target system in which the planning area is already initialized.

Effects on System Administration

If inconsistencies occur when saving the key figure properties in liveCache, you can check and repair them with report /SAPAPO/TS_LCM_CONS_CHECK.

BI Authorization Concept in Demand Planning (DP)

Use

Demand Planning in SAP SCM 5.0 uses the current authorization concept of SAP NetWeaver 2004s Usage Type Business Intelligence 7.0 (BI). Since the authorization concept has changed since Business Information Warehouse (BW) 3.5, the restrictions of the upgrade process from BI 3.5 to BI 7.0 also apply to the upgrade process from SAP SCM 4.1 to SAP SCM 5.0. These include the following: - An automatic upgrade of BW authorizations to BI analysis authorizations is not possible. However, a migration help is available.

- Manual adjustments are necessary during the upgrade from SAP SCM 4.1 to SAP SCM 5.0. The procedure is described in detail in the upgrade guides and in the upgrade note 853797.

Change Mode for Key Figures (New)

Use

As of SAP SCM 5.0, various change modes are available in Demand Planning (DP), which you can use to monitor the value changes in key figures. With the implementation of the change modes, the logic for fixing and unfixing key figures, for example, has changed completely. You can configure the change mode you want to use in macro definitions and in planning area maintenance in the forecast settings for forecast key figures.

The following change modes are available:

Change Modes in Macro Definitions

- Change modes for fixable key figures:
- Value change

Here you can select whether the system is to consider or adjust existing fixings. If you want the system to adjust the fixing, it also changes the values that are fixed.

- Value change with subsequent fixing

Here you can select whether the system is to consider or adjust existing fixings. Subsequently, the system fixes all the cells that are not fixed and in which values have changed.

- Value change with previous unfixing

First the system unfixes the cells and then changes the values.

- Redisaggregation

The system disaggregates the key figure value again. It takes value changes and existing fixings into account.

- Attribute change (such as background color)
- Change modes for non-fixable key figures:
- Value change
- Redisaggregation
- Attribute change

Change Modes for Forecast Key Figures:

- Take into Account Fixings
- Take into Account Fixings, Fix Previously Unfixed Values
- Adjust Fixings, Fix Previously Unfixed Values
- Cancel Fixing

Effects on Existing Data

If you want to keep the logic for fixing and unfixing key figure values from SAP SCM 4.1, work in compatibility mode. You can switch on the compatibility mode for each individual macro book. We recommend, however, not to use the compatibility mode and to implement a new logic, which means adjusting existing macros. In certain cases, the compatibility mode can lead to a degradation in performance. In addition, the compatibility mode does not support fixed zero values nor the differentiation between initial and 0 values.

Effects on Data Transfer

An upgrade assistant is available, which can help you deactivate the compatibility mode, for example.

See also

Release information Differentiation of Initial Values and 0 Values

Demand Combination (New)

Use

As of SAP SCM 5.0, you can use demand combination to compare forecast key figures of a planning book period by period according to certain criteria and then transfer the determined key figure values to a combined result key figure. Demand combination can compare forecast key figures based on different time horizons and forecast levels and originating from different demand planning applications. For each period of a specified time frame, demand combination transfers the determined key figure value from the respective demand planning application to the result key figure.

Demand combination consists of the following:

- Master data maintenance for demand combination

In the master data maintenance, you specify the criteria that you want the system to use to compare the key figures from the different demand planning applications.

- Demand combination run

You can execute the subsequent demand combination run directly in interactive demand planning or in the background. You can see the result of the run in the planning book. If you want to use demand combination to analyze forecast data from Demand Planning (DP) and Responsive Replenishment (RR), you can consolidate the data from these applications in SAP NetWeaver Usage Type Business Intelligence.

Effects on Customizing

To be able to create the master data for demand combination, you must make the following settings in the Implementation Guide (IMG) for demand combination:

- Define the demand combination horizon that the system is to consider for the evaluation. For this, do the following step: Make General Settings
- Define new activity parameters that you want to use for defining the demand combination master data. For this, do the following step: Specify Activity Parameters
- Define new activity classes that you want to use for defining the demand combination master data. For this, do the following step: Specify Activity Classes

Combined Forecast (Enhanced)

Use

As of SAP SCM 5.0, the combined forecast functions have been enhanced as follows:

- You can adopt the result of one forecast profile as the final result.

Prerequisites:

- The forecast profile must be part of a combined forecast profile.
- The final result is the result of one single profile that uses a method with the smallest errors (method with the smallest MAD, MAPE, MPE, and so on). You have defined these in the combined forecast profile.

You can save the combined ex-post forecast in a predefined key figure within the combined forecast. The system uses the key figure that you have defined as the ex-post key figure for the univariate forecast.

You can now define this key figure in planning area maintenance under *Extras -> Forecast Settings*.

Forecast Horizon and History Horizon (Changed)

Use

As of SAP SCM 5.0, you can define the forecast and history horizons in the forecast profile in Demand Planning (DP) more flexibly. Up to now, you had to specify the start date and the end date for the horizons or the number of periods. Now you also have the following options:

- You enter only **one** fixed date per horizon (either the start date or the end date). For example, if you do not enter a start date for the forecast horizon, the system uses the current date as the start date. If you do not enter an end date for the history horizon, the system uses the period previous to the current period as the end date.
- You enter a fixed date and the number of periods. For example, you enter a start date and a number of periods for the history horizon. The system calculates the history starting with the date you entered and extends this horizon by the number of periods you entered. You cannot use an offset if you use these options.

Data Realignment of InfoCubes in Demand Planning (DP) (Enhanced)

Use

As of SAP SCM 5.0, the data realignment of InfoCubes in Demand Planning works according to a new method. If an InfoCube that has already been filled with planning data is to be subsequently changed, only the changed data is added in one or more requests to the InfoCube. Existing requests are not changed. The advantage of this method is that you can carry out all the functions of SAP NetWeaver Usage Type Business Intelligence (BI) for these requests (for example, compress and rollback).

Uploading Data to Demand Planning (New)

Use

Up to now, you were able to transfer planning data from interactive Demand Planning (DP) to a local file with format CSV, which you can edit using Microsoft Excel. As of SAP SCM 5.0, you can also transfer the planning data from the CSV file back to interactive Demand Planning. The prerequisite is that you have originally transferred the planning data from interactive Demand Planning and have changed only the planning data in the CSV file.

Locking Logic in Demand Planning (DP) (Enhanced)

Use

As of SAP SCM 5.0, the new locking logic *liveCache Lock* is available in Demand Planning (DP). The system can use this logic to more precisely lock data you are accessing than it can with the aggregated and detailed locks. The liveCache lock takes intervals into account during selection and evaluates for single values the first wildcard character (*) or the first placeholder (+) for each value. You can activate the liveCache lock in planning area maintenance on the *Locking Logic* tab page. You can activate the liveCache lock together with the key figure-specific lock.

MacroBuilder in Demand Planning (DP) (Enhanced)

Use

New and Changed Macro Functions

As of SAP SCM 5.0, the following new macro functions are available:

- CELL_TOOLTIP ROW_TOOLTIP
- COL_BG SEASON_BDATE

- COL_FG SEASON_EDATE
- COL_TOOLTIP STDV_DEMAND_GET
- COLUMN_FROM STDV_WRITE_ALERTS
- COLUMN_TO STEP_AREA_SET
- GET_TEXT STEP_CALC_STOP
- IS_FIXED
- IS_INITIAL
- IS_PARTLY_FIXED

The following macro functions have been changed:

- CELL_BG ROW_BG
- CELL_FG ROW_FG
- CELL_LICON ROW_LICON
- CELL_RICON ROW_RICON
- COL_LICON
- COL_RICON

User Functions

Some of the user function parameters have been replaced by the *c_s_actview* parameter, which contributes to significantly better performance. You can still use the old parameters (they are flagged "obsolete"). We recommend, however, that you use the new parameters.

Printing Macro Definitions

You can print out the contents of a macro tree. However, you cannot print the information that is visible while you edit an object of a macro tree.

Business Add-In (BAI)

With the new BAI *Additional Functions for Macros (/SAPAPO/ADV)* you can influence the system's behavior when executing a macro and you can implement your own calculation logics for macros. You can use this BAI instead of the user exit *Maintain Customer Macros*.

Effects on Data Transfer

An upgrade assistant is available which can help you deactivate the compatibility mode, for example.

See also

Release information Change Mode for Key Figures

For more information about macros, see the DP documentation in the SAP Library under Demand Planning Process -> Planning Book Design -> Advanced Macros -> Macro Workbench -> MacroBuilder Screen -> Operators and Functions in Macros -> Functions for InfoObjects and Planning Books and under General and Planning Table Functions.

Time-Based Demand Distribution (New)

Use

As of SAP SCM 5.0, you can distribute forecast data, which was calculated for a specific periodicity in the demand plan or in the InfoProvider, across a more exact periodicity for the release to Supply Network Planning (SNP) or to an ERP system.

For the time-based distribution of demands during the release, create a period split profile and a distribution function.

3.4.7.12 TSDM Data in Demand Planning (DP) (Enhanced)

Use

Up to now, you only had limited access to the data of the time series data management (TSDM). As of SAP SCM 5.0, you can now also access TSDM data via DP planning areas.

TSDM can be used at the following levels in the planning area:

- at location product level if the master planning object structure contains the characteristics product and location
- at detail level for master planning object structures with any characteristics

Planning Area Maintenance

You can select a TSDM time series type and TSDM key figures as well as other key figures (such as time series key figures) directly in the planning area. In addition, you specify whether you carry out TSDM at location product level or at detail level. In both cases, you must select a time series data type in Customizing for *Time Series Data Management*. For TSDM at location product level, it must be a time series data type mode A or C, and for TSDM at detail level, it must be a time series data type mode B.

Planning

You can only carry out planning with TSDM key figures if you are on the correct level. In interactive planning, only the corresponding key figure is then ready for input. In mass processing, you must select the correct level as the aggregation level.

Reports

With report /SAPAPO/TS_CHECK_MASTERDATA you can check whether all the master data for the location products of a planning object structure exist. With report /SAPAPO/TSDM_PLOB_LIST_GENER you can generate a list of the location product combinations that are used in a time series data type.

Note

Data realignment is not possible for planning areas that use TSDM.

Differentiation of Initial Values and 0 Values (New)

Use

In interactive Demand Planning (DP), the system can differentiate key figures that contain the value 0 and key figures that have not yet been planned and are therefore initial.

In planning area maintenance, you can set the *Zero allowed* indicator for each key figure of the planning area. In addition, you can set the *Fixable Zero* indicator for each key figure so that the system also fixes key figures with the value 0. For this, the key figure must also be a fixable key figure, however.

SCM-APO-FCS-SEA Seasonal Planning

Seasonal Planning (New)

Use

As of SAP SCM 5.0, you can use seasonal planning to perform a flexible time-based aggregation of planning data based on season years.

Seasonal Planning supports the following functions in Demand Planning (DP):

- Interactive Demand Planning including Macros
- Macro Execution with Mass Processing

For seasonal planning, the system aggregates the data of several periods of a specific periodicity (such as a month) to a season, and the data of several seasons to a season year. The system determines the valid season years based on the selected characteristic values combinations. For this you have assigned all the characteristic values combinations of the planning area to seasonal patterns, which are based on season years.

In interactive planning, you can switch between the following displays for seasonal planning:

Display of seasons of a season year

Display of one or more season years, aggregated to season year level

You can switch from a season year or an aggregated season year to another time buckets profile at any time.

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