



SEM-BPS Enhancements

Product Management BI

Roadmap

- Integration of master and transactional data
- Excel integration
- Access to plan data via web
- Integration to operational systems via retractors
- Process monitoring
- Reporting and analysis in SAP BW

SEM-BPS 3.5 SP0

today

- Additional Features Status and Tracking Monitor (e.g. Save at status change)
- Variables in data slices (e.g. hierarchy variables)
- Copy documents
- Others (see following slides)

SEM-BPS 3.1B SP14
SEM-BPS 3.2 SP10
SEM-BPS 3.5 SP 5

Q3/03

- Enhanced Web functionality (Hierarchies, Attributes, F4-Help)

SEM-BPS 3.1B SP16
SEM-BPS 3.2 SP11
SEM-BPS 3.5 SP 7

Q4/03

- Additional features Status and Tracking Monitor
- Statistical Forecast
- Enhancements for characteristic combinations
- Predefined totals in rows and columns

SAP BW 3.5
(BW-BPS)

Q1/04

- Application design for integrated planning/analysis applications
- Web based design of planning applications
- Data entry in common UI for planning and analysis
- Open service framework

SAP BW 4.0
(SAP BW integrated Planning)

Q1/05

Status and Tracking Monitor

- Keep customizing after change of hierarchy
- Locking of data in top down planning mode
- Automatic save at status change
- Language from log on
- Planning sequences running synchronously
- Substitute concept

Availability

- SEM 3.1B SP 14 August 19th 2003
- SEM 3.2 SP 10 September 23rd 2003
- SEM 3.5 SP 0 May 26th 2003

Keep customizing after change of hierarchy

The full customizing is preserved when changes to BW hierarchy are carried out. Prerequisite: a characteristic value may only be used once in a hierarchy.

(Please pay attention to notes 655873 and 629775)

Locking of data in top-down planning mode

The plan data may be locked in a top-down planning session as well. A node gets locked when the status is set to „exit and release“.

Automatic save at status change

Every change to a status of a planning node in the status and tracking monitor is automatically saved to the database.

Logon data

The URL which is sent via the Status and Tracking Monitor will per default open the monitor with the logon language that the Status and Tracking System administrator uses when he sends out the initial mail.

The default may be overruled by changing the according service (see screenshots) so that the user may choose a language differing from the administrators language.

Note: changing the service will also allow to change the initial password at time of first registration with SEM-BPS via web.

Language from Logon II

Change default setting for logon

Enter transaction: sicf

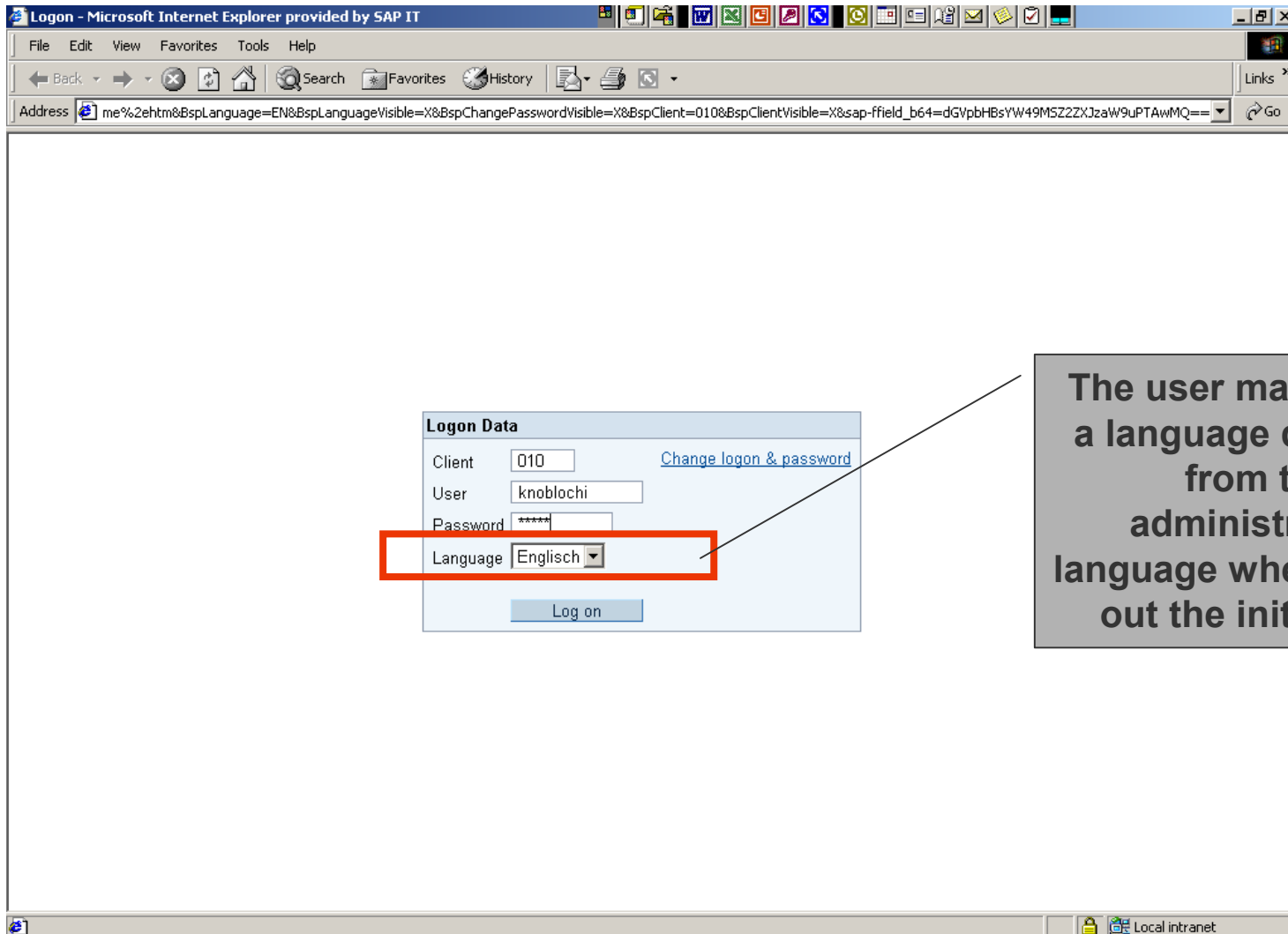
Search for the service: tunguska

Choose the tab
„Error Pages“

The screenshot shows the SAP SICF transaction 'Create/Change a Service' for the service 'tunguska'. The 'Error Pages' tab is selected, and the 'Logon Error' sub-tab is active. The 'Redirect to URL' option is selected, with a red box highlighting it. The URL is set to `/sap/public/bsp/sap/system/login.htm?sap-url=<%=PATHTRANS%>&BspL...`. The 'Administration' section shows the service was last changed by BOLLINGERK on 31.07.2003 and created by MAEDER on 05.02.2002.

Choose „Redirect to
URL“

Logon data



The screenshot shows a Microsoft Internet Explorer browser window titled "Logon - Microsoft Internet Explorer provided by SAP IT". The address bar contains a URL with parameters for language and client. The main content area displays a "Logon Data" form with the following fields:

| Logon Data | |
|---------------------------------------|---|
| Client | 010 Change logon & password |
| User | knoblochi |
| Password | ***** |
| Language | Englisch |
| <input type="button" value="Log on"/> | |

The "Language" field is highlighted with a red rectangle. A callout box points to this field with the text: "The user may choose a language differing from the administrators language when he sent out the initial mail".

The user may choose a language differing from the administrators language when he sent out the initial mail

Planning sequences running synchronously I

Maintenance Edit Goto System Help

SEM-BPS Status and Tracking System - Customizing

General Settings

- Define Subplan
- Define Planning Session
- Determine Hierarchy for Subplan

Execute

Settings for Planning Session

Subplan 1

Planning Session 1 First Planning Sessi...

- Determine Attributes for PIng Session
- Initialize/Reset Planning Session
- Define Header Chars for Planning Session
- Determine Date, Person Resp., Layouts
- Test Call with Display of URL
- Send Start E-mail

Execute

Attributes for Planning Session

Attributes for Planning Session

Richtung der Planungsrunde

- Bottom-Up
- Top-Down

Automatic Function for Status

- synchron
- als Hintergrundjob

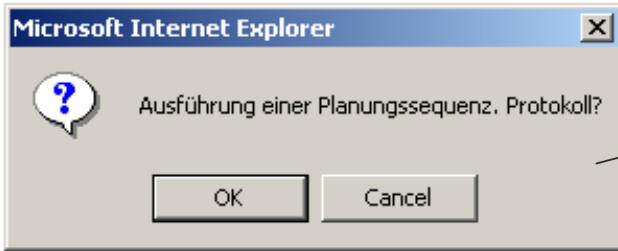
Automatic E-mail Dispatch Active

Use Time

Confirm Cancel

Planning Sequences linked to status changes may be carried out synchronously or asynchronously (in background). In the case of the synchronous execution a confirmation about success or failure of the planning sequence is sent. (The user gets a Microsoft message that offers to show a log – see next slide).

Planning sequence running synchronously II



Prompt
for log

log

SEM-BPS Status and Tracking System

Subplan: 1

[Log Off](#) [Save in the Database](#)

[My area of responsibility: > A](#)

[Open Planning](#) No report exists | [Send fo](#)

Present Status:

Due On

Responsible Pers [BOLLINGERK](#)

New Comment:

Rückmeldung über Ausführung einer Planungssequenz - Microsoft Internet Explorer

Planning function 1, parameter group 1 was carried out with no errors

6 data records were read, 1 of them were changed, 0 generated

[Close](#)

Substitute Concept I

A list of substitutes may be assigned to responsible for a hierarchy node. The substitute may navigate to the node and included for lock entries.

System Help

SEM-BPS Status and Tracking System - Customizing

Name: BOLLINGERK
E-mail: Inga.wiele@sap.com
Current Lock Status: Not Locked

Data for Planning
Completion Time: TH 01.05.2003 17:06:59 CET
Pass On to Lower-Level Units: Execute

URL of Planning Application
/sap/bc/bsp/sap/sts/sts.htm
Copy to All Units of Same Level: Execute

URL of Control Report
Copy to All Units of Same Level: Execute

Execute Planning Sequence with Status Switch

| Frm Status | To Status | Sec |
|------------------|---------------------|-----|
| New | In Process | STS |
| In Process | For Approval/Review | STS |
| Back to Revision | For Approval/Review | STS |

Vertretung

| |
|-----------|
| User Name |
| KNOBLOCHI |
| SCHOEFFL |

BR8 (1) (000) | Is0335 | INS

Enter Substitute

Limitations

No eMail notification is sent to the substitute. He just gets the authorization to change the assigned owners web planning layouts.

Usability

- More flexibility in data slices
- Hierarchy pop up in definition of planning levels redesigned
- Changed sort logic of selection criteria
- Display mode of planning level changed
- Change mode of planning package shows package selection first

Availability

- SEM 3.1B SP 14 August 19th 2003
- SEM 3.2 SP 10 September 23rd 2003
- SEM 3.5 SP 5 September 19th 2003

More flexibility in data slices

Variables, hierarchy nodes and attributes may be used in data slices.

Hierarchy PopUp in definition of planning levels

When selecting hierarchy nodes in the definition of planning levels, description and keys are shown (not just description).

Sorting of selection criteria

Selection criteria are sorted by low values. Exception: selection criteria consisting of more than one characteristic (e.g. variables with multiple characteristic).

Display mode of planning level

When displaying a planning level the first tab shown is the selection criteria tab. In the change mode the selection of characteristics is shown first.
(At change time the selection still shows characteristics to be selected on first tab)

Change mode of planning package

The characteristics that ought to be selected in the planning package are shown before the ones with selection in the planning level.

Planning functions

- Distribution function – usage of variables, read reference data
- Issue trace of error message in conjunction with object
- Copy documents

Transports

- Transport variables, parameter groups, layouts and settings for planning area separately

Manual Planning

- Variables for non-time characteristics in data columns in layouts
- Use different variables in data columns
- Use all variables of the corresponding area in data columns

Availability

- SEM 3.1B SP 14 August 19th 2003
- SEM 3.2 SP 10 September 23rd 2003
- SEM 3.5 SP 5 September 19th 2003

Distribution function – usage of variables, read reference data

Variables may be used in the parameter group of the distribution function.

Issue trace of error message in conjunction with object

When executing planning functions with trace the messages for specific data objects are shown when marking the data object and requesting the protocol (icon) – see screenshot

Issue trace of error message in conjunction with object

Planung Edit Springen Hilfsmittel Tools System Help

Enter plan data

Close navigation Planning profile Global planning

Planning areas

| Planning areas | Technic... |
|----------------|------------|
| Various | GD02 |
| Ad hoc package | IW1 |
| Various | 0-ADHOC |
| | IW1 |
| | MK2 |

Planning functions

| Planning functions | Technical n... |
|--------------------|----------------|
| Various | IW1 |
| Manual planning | 0-MP |
| Enter data | LAY1 |
| copy | COPY |
| copy | COPY |

Execute planning function

- Execute with Trace
- Display parameter group
- Change parameter group
- Copy parameter group
- Delete parameter group

1. Start execution with trace

Log Trace

Edited Data Objects

| Detail | Meldungen | Cost cente | Cost Eleme | Controllin | Currency | Fiscal yea |
|--------|-----------|-------------|-------------|------------|----------|------------|
| | | KOGD0000... | KAGD0000... | GD01 | # | K4 |

2. Select tab „Trace“

3. Click on „Messages“

Display logs

Ty... Message Text

The generated data is not contained in the selection condition

4. Message is displayed

Copy documents

Documents may be copied from one characteristic combination to another by a planning function of type exit.

Create a planning function of type exit and enter the following function modules:

UPF_DOC_COPY_INIT

UPF_DOC_COPY_EXIT

For the mass deletion of documents there are function modules as well.

Create a planning function of type exit and enter the following function module:

UPF_DOC_DEL_INIT

UPF_DOC_DEL_EXIT

See the function module documentation for further details (Enter transaction SE80, choose function group UPFX and search for the mark function module

UPF_DOC_COPY_INIT

or UPF_DOC_DEL_INIT

(see screenshots)

Copy documents – additional information

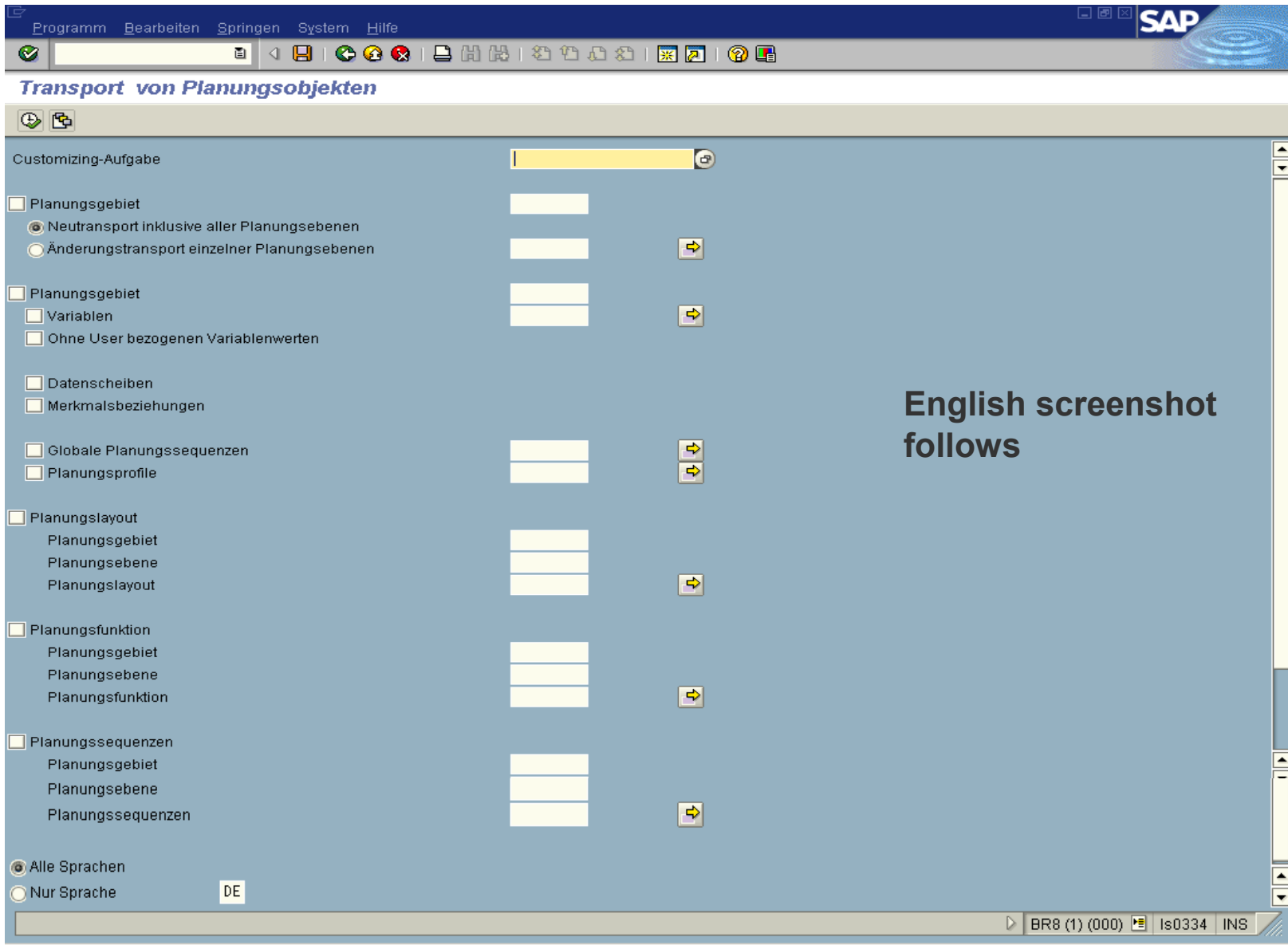
Execute transaction: SE80 Function Builder

The screenshot displays the SAP SE80 Function Builder interface. The main window shows the source code for the function module `UPF_DOC_COPY_INIT`. The interface includes a menu bar at the top with options like 'Function module', 'Edit', 'Goto', 'Utilities', 'Environment', 'System', and 'Help'. Below the menu bar, there are several toolbars and tabs. The 'Source code' tab is highlighted with a red box. On the left side, there is a 'Function group' dropdown menu with 'UPFX' selected, also highlighted with a red box. Below this, a tree view shows the 'Object Name' hierarchy, with 'UPFX' expanded to show 'Function Modules', including 'UPF_DOC_COPY_INIT' which is highlighted in yellow. A callout box points to the 'Function group' dropdown with the text 'Select: Function group UPFX'. Another callout box points to the source code area with the text 'Documentation in source code'. The source code itself is as follows:

```
FUNCTION upf_doc_copy_init .
**-----
**"Lokale Schnittstelle:
** IMPORTING
**   REFERENCE(I_AREA) TYPE  UPC_Y_AREA
**   REFERENCE(I_PLEVEL) TYPE UPC_Y_PLEVEL
**   REFERENCE(I_PACKAGE) TYPE UPC_Y_PACKAGE
**   REFERENCE(I_METHOD) TYPE UPC_Y_METHOD
**   REFERENCE(I_PARAM) TYPE  UPC_Y_PARAM
**   REFERENCE(IT_EXITP) TYPE  UPF_YT_EXITP
**   REFERENCE(ITO_CHASEL) TYPE UPC_YTO_CHASEL
**   REFERENCE(ITO_CHA) TYPE  UPC_YTO_CHA
**   REFERENCE(ITO_KYF) TYPE  UPC_YTO_KYF
** EXPORTING
**   REFERENCE(ETO_CHAS) TYPE  ANY TABLE
**   REFERENCE(ET_MESG) TYPE  UPC_YT_MESG
**-----
* This function is used for copying documents from a set of
* characteristic combinations to another. As with a normal planning
* function of type copy the TARGET is specified by the planning package.
* The "from" and "to" values are specified by the parameter group.
* Note that only documents are copied that are defined in the same level
* of aggregation, i.e. all documents are copied that are visible in a
* layout in the same planning level.
*
* For specifying the "from" and "to" values we use the exit parameters
* in the parameter group. For each characteristic we use 3 parameters:
* 1. Name of the characteristic
* 2. From-value (single value required)
* 3. To-value (single value required)
* This group has to be repeated for every characteristic used.
```

Transports

Report `UPC_TRANSPORT_BPS_ALL` allows to transport single planning objects. Additional objects may be transported. E.g. Variables, data slices, characteristic combinations, planning layouts, planning functions, parameter groups, planning sequences



The screenshot shows the SAP Customizing transport interface. At the top, the menu bar includes 'Programm', 'Bearbeiten', 'Springen', 'System', and 'Hilfe'. The title bar reads 'Transport von Planungsobjekten'. The main area contains several sections with checkboxes and input fields:

- Customizing-Aufgabe**: A search field with a magnifying glass icon.
- Planungsgebiet**:
 - Neutransport inklusive aller Planungsebenen
 - Änderungstransport einzelner Planungsebenen
- Planungsgebiet**:
 - Variablen
 - Ohne User bezogenen Variablenwerten
- Datenscheiben
- Merkmalsbeziehungen
- Globale Planungssequenzen
- Planungsprofile
- Planungslayout**:
 - Planungsgebiet
 - Planungsebene
 - Planungslayout
- Planungsfunktion**:
 - Planungsgebiet
 - Planungsebene
 - Planungsfunktion
- Planungssequenzen**:
 - Planungsgebiet
 - Planungsebene
 - Planungssequenzen
- Alle Sprachen
- Nur Sprache

On the right side of the main area, the text 'English screenshot follows' is displayed.

The status bar at the bottom right shows 'BR8 (1) (000) | Is0334 | INS'.

English screenshot follows

Variables for non time characteristics in data columns in layouts:

Any variable (containing one characteristic) can be used in the data columns or user defined key columns in layouts. As the value of a characteristic in a data column has to be a single value the system will check that at execution time. If the variable contains more than one value or an interval the layout will not be executed.

Use different variables in data columns

It may be decided for each data column/key column whether a variable or a fixed characteristic should be used. If the data column is defined as input enabled (not as comparison column) the system will check at execution time whether the value of the variable is in the selection or not. If it is not contained in the selection the system will switch the column to comparison column.

Use all variables of the corresponding area in data column

Any variable may be used in the area in the data columns (not just the one selected in the planning level). You can also any variable in the planning area for the creation of dynamic data columns. If the generated data column is not in the selection the the system will switch it to comparison column.

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