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Discontinuation Control Monitor

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1 Discontinuation Control Monitor

The *Discontinuation Control Monitor* (DCC monitor) is an add-on for SAP ERP, which enhances the features of the standard SAP system with regard to the discontinuation control of materials and assemblies with numerous additional functions.

To shape the discontinuation process optimally, the user receives a central and transparent overview of all materials, assemblies, and their components to be discontinued. Furthermore, the user is offered various control options for keeping the expiration date variable and thereby able to react quickly to current events. For example, the user can simulate the stock/requirements list with a specific expiration date to be able to assess the situation on the desired expiration date correctly in advance.

The *DCC Monitor* can be used to determine the optimum expiration time centrally for each material to be discontinued. The use of this tool can avoid expensive remaining stock and unnecessary scrapping.

2 Background Information

In the MRP data of the material master, the standard SAP system provides three fields for controlling the discontinuation control for a material on a plant-specific basis.

The screenshot shows the SAP Material Master 'Change Material' interface for material DCC_DEMO_HALB_01. The 'Discontinued parts' section is highlighted with a red box, containing the following data:

Discontin. ind.	Eff.-out	Follow-up mat
1	07.04.2014	DCC_DEMO_HALB_02

Other visible fields include 'Material' (DCC_DEMO_HALB_01), 'Plant' (0001), 'Stor. Loc.' (0001), and 'Gehäuse für Endprodukt Pumpe'.

Setting Options in the Standard SAP Material Master

If all three settings have been made correctly, all dependent requirements that have been scheduled after the expiration date are forwarded to the follow-up material with the next material requirements planning run. If stock is still available in the warehouse on the defined date, this will initially be reduced to the safety stock and only then diverted. Additional requirements such as independent requirements and demand forecasts, or manually created reservations are not diverted. The setting of this discontinuation indicator always refers to an entire plant.

The *DCC Monitor* uses this mechanism for its internal calculations and simultaneously enhances its scope by combining different functionalities. For more information, see the section **Reassignment of Planned Independent Requirements**.

Related Information

[Reassignment of Planned Independent Requirements \[page 20\]](#)

3 Selection Screen

To start the DCC monitor, the transaction /saplom/dcc must be called. After starting the program, the selection screen is called initially, which contains two functionalities.

Field	Value	to	Field	Value	Icon
Plant	1000				➔
Material					➔
Individual material group					➔
MRP Controller					➔
Material type					➔
Purchasing group					➔
Plant-sp.matl status					➔
Procurement type					➔
Material group					➔
Effective-out date					➔
Change number					➔

Selection Screen

3.1 Result Restriction

On the one hand, the result set of the discontinued parts to be displayed can be restricted specifically from the DCC Monitor and can then be displayed using the Execute button (F8) available as standard. The appearance of the result screen in this case is described in more detail in the section **Basic Structure**.

Related Information

[Basic Structure \[page 8\]](#)

3.2 Import Functionality

This selection screen also provides an import functionality, which can be used to add certain materials or assemblies to the DCC Monitor and therefore define them as discontinued parts. When using this import function, the selection criteria serve as a restriction for the quantity of materials to be imported. After choosing the Import pushbutton in the upper toolbar, the following selection screen is shown.

System Help

Discontinuation Control Monitor

Import

Materials to be imported

Plant	Material	Material Description	MTyp	ProcType	Size/dim.	Typ	MS	PGr	MRPC	Ef.-o.date	Fol-UpMatl
0001	PETER_100		FERT	X		88			001		
0005	PETER_100		FERT	E		88			000		
3000	MD100-103-1	Board (purchased – Lot tracked)	HALB	F		ND			002		
1000	RX_5045	Bottom counterbalance	FERT	X		ND					
CPB1	CPB11300	Foreign 20 L returnable	HAWA					003			
3000	MARKETINGCONV	Marketing Giveaways - Watches	HAWA	F							
ZPL1	2307	oh 1	ROH	F		PD	0		001		
3200	M332	Palm Connect USB Kit	HAWA	F		PD		001	001		
1000	NAV-001012	PCB Mainboard	HALB								
3000	NAV-001012	PCB Mainboard	HALB	F		PD		001	001		
3200	N-1100-2	Pole FRP 10 m	HALB	F		PD		010	101		
3200	N-1100-3	Pole FRP 15 m	HALB	F		PD		010	101		
3200	N-1100-1	Pole FRP 5 m	HALB	F		PD		010	101		
3000	AD-333-300	Purchased Material - Date from Eff	ROH	F		PD		003	101		
1000	ZD5823272	RAT Schiefer Bogen 25x25 li. 150	ROH	F		VB		O53	114		
1000	RX_5000	SIX-AXIS INDUSTRIAL ROBOT	FERT								
3400	TM500	TM-300 Material	HAWA	F		X0		003	001		
3400	TM-400	TM-400 Material	HAWA	F		X0		003	001		
3400	TM-500	TM-500 Material	HAWA	F		X0		003	001		
3100	TM-600	TM-600 Import Material	HAWA	F		X0		003	001		
3150	TM-600	TM-600 Import Material	HAWA	F		X0		003	001		
1200	T-VPC00-1	variant 1 to T-VPC00	FERT	X		PD			101		
1200	T-VPC99-1	variant PC99-1	FERT	X		PD			101		
1000	SE2286	"DMV 4 1/2""	ROH	F		PD	A	106	106		
1000	SE3036	"ENTL.VENTIL R 3/8""	ROH	F		PD	A	221	221		
3000	ETO-0001	"The Amazing" Flying Car	KMAT	E		ND					
3200	ISM-0006	"Why ask my name?"	HAWA	F		ND					
R100	R100004	'Sophia I.' pizza, 3-pack	FOOD	F		R1		R10	R10		
R101	R100004	'Sophia I.' pizza, 3-pack	FOOD	F		R1		R30	R30		
R110	R100004	'Sophia I.' pizza, 3-pack	FOOD	F		RP		R30			
R111	R100004	'Sophia I.' pizza, 3-pack	FOOD	F		RP		R30			

Import Functionality

Here, all materials from the material master are displayed, which meet the previously entered selection criteria and have not yet been defined as discontinued parts in the DCC Monitor. After selecting the desired materials, they can be added to the table using the Import pushbutton. This functionality can be used, for example, to define all materials with a certain material status as discontinued parts at the same time and include them in the DCC Monitor.

i Note

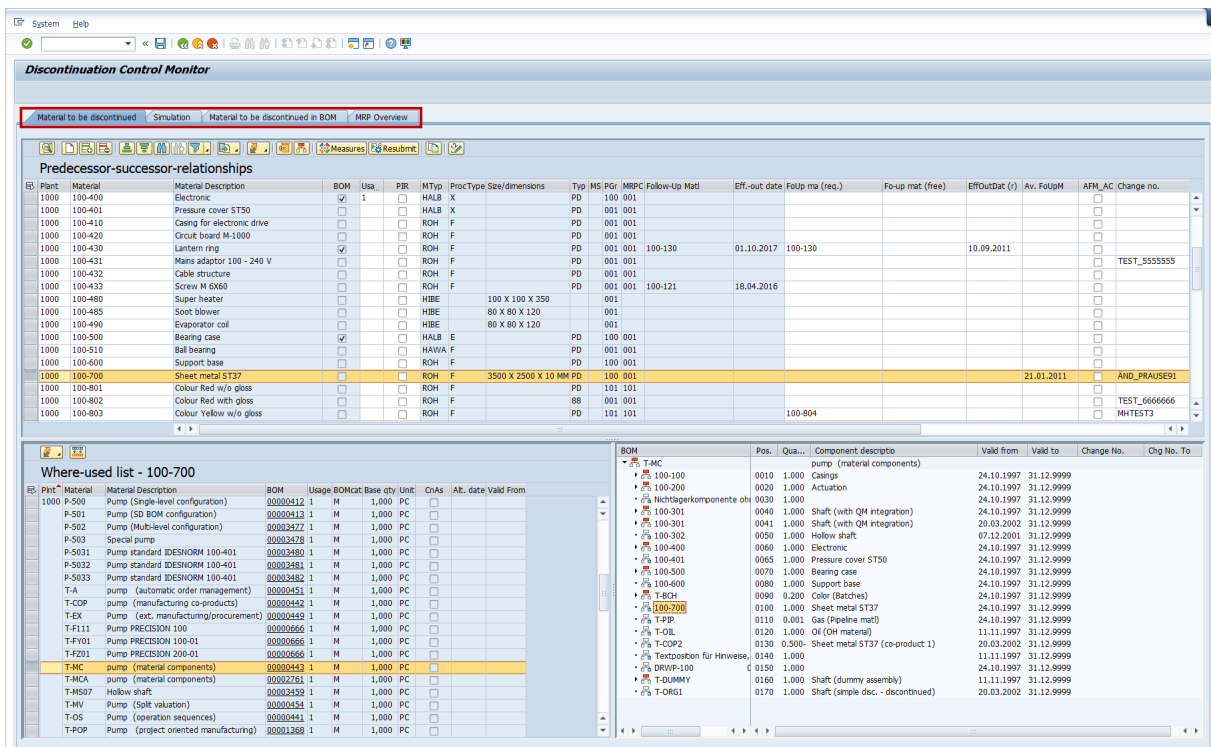
A completed selection parameter **Change Number** does not influence the result screen of the materials to be imported since the unique assignment of material and change number is defined only in the DCC Monitor and not in the material master.

4 Main Screen

In this section, the functionalities of the individual tab headers are explained in detail.

4.1 Basic Structure

When a selection is made, the main screen opens with four different tab headers.



Basic Structure

Before all functionalities of the individual tab headers are presented in detail, the most important functions are described briefly in an overview:

Definition of Discontinued Parts

- Pure definition of predecessor-successor relationships, without establishing a firm expiration date in the material master
- Assignment of a change number for each predecessor-successor relationship

Simulation

- Display of a simulated stock/requirements list with any expiration date
- Synchronous setting of expiration date in the material master with the validity date of the change number

Discontinued Parts in Assembly

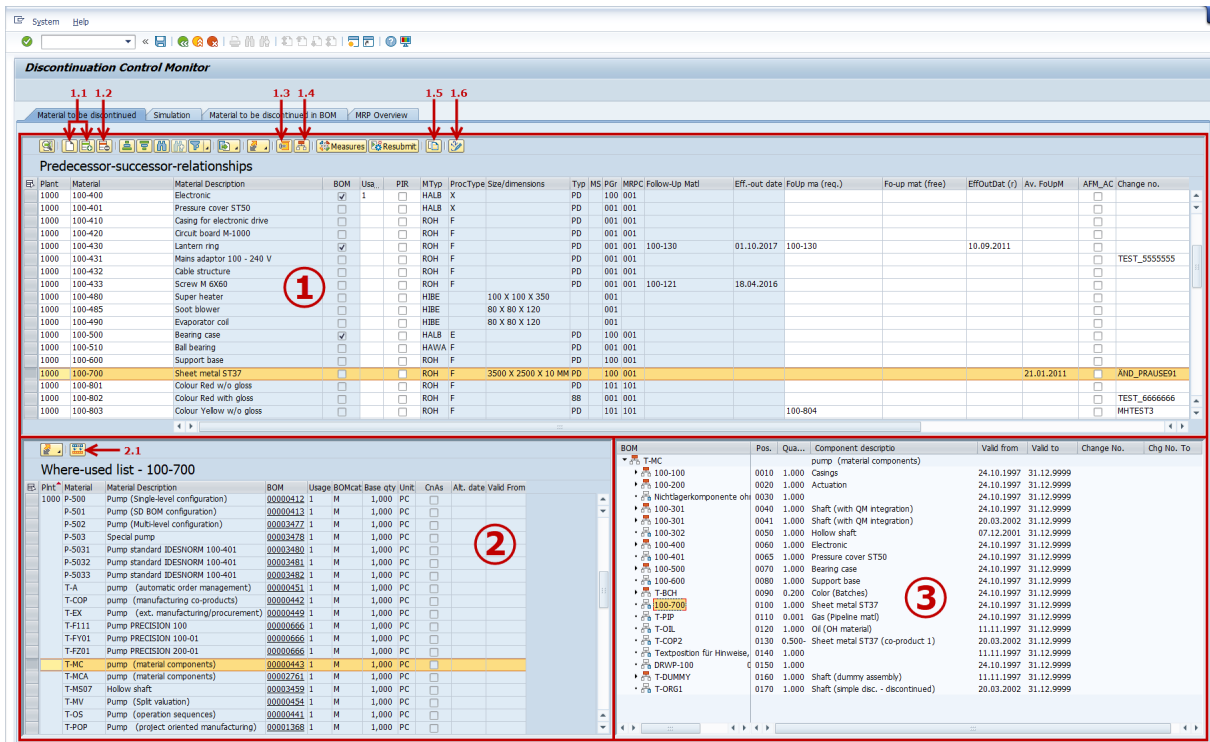
- Automatic determination of defined discontinued parts within an assembly
- Definition of assembly-specific interchangeable items

MRP Overview

- Overview of all materials and assemblies to be discontinued
- Display of stock on the expiration date as well as the respective stock coverage and ranges of coverage

4.2 Tab Header *Definition of Discontinued Parts*

The first tab header is divided into three areas, as shown in the figure below.



Tab Header Definition of Discontinued Parts

Area 1

Discontinued parts can be defined using the import function of the selection screen. However, it is also possible to create new table entries using the Add pushbutton [1.1] or to delete entries directly [1.2]. The copy function [1.5] can be used to duplicate individual rows. Furthermore, the user can also filter by either materials [1.3] or assemblies [1.4].

Since it is necessary to make a BOM change for a material substitution, the assignment of a change number is an important aspect when defining discontinued parts. In the table, either an existing number can be assigned directly, or a new number can be created by choosing the pushbutton [1.6] (call TA CC01). If the user created a new number, this is entered in the table directly with the specified validity date after saving. The change number is the link between the discontinued part and BOM. All BOM changes to be made should refer to the change number assigned here.

If the defined discontinued part is an assembly (column "Assembly"), a BOM usage must also be specified here. This affects the display on the "Discontinued Parts in Assembly" tab header.

Note

The materials defined here are discontinued on a plant-specific basis. Assembly-specific interchangeable items can be defined on the third tab header "Discontinued Part Assembly".

Area 2

The material where-used list of the entry selected in area 1 can be seen in area 2. To be able to see the corresponding information, the row must be selected in area 1 with a double-click. The appropriate BOM can be

called directly by a single click on the BOM number (call TA CS02). Furthermore, the column “ChgEx.” displays a checkmark if the respective BOM contains a change with the change number assigned in area 1 for the specified validity date.

The two final columns “Date Element” and “Valid From” display a potential object assignment from the change master record assigned in area 1. If a BOM was assigned to a data element via an object assignment in this change master, the corresponding values are displayed in both columns. If no assignment was made, the fields remain empty.

Choosing the pushbutton “BOM Mass Maintenance” [2.1] (call TA CS20) enables all BOMs in which the discontinued part occurs to be edited by a single action. This makes it possible to replace the discontinued part in the corresponding BOMs with the defined successor. It is left to the user to choose which of the BOMs displayed they want to change.

Mass Change of BOMs

Mass Changes: Material Selection

Change Item Data Plant assignments Select BOM Deselect BOM

Reference Object
Material 2.2 100-433 Screw M 6X60

S	B.	Bill of Material	Plnt	U.	Object Description	BOM	A.	Item	I...	Item ID
<input checked="" type="checkbox"/>	M	100-400	1000	1	Electronic	00000018	0060	L	0000000	
<input checked="" type="checkbox"/>	M	KL-SERIE	1000	1	Electronic	00003726	0060	L	0000000	
<input checked="" type="checkbox"/>	M	T-VB100	1000	1	Casing (configurable) group 00	00001715	0050	L	0000000	
<input checked="" type="checkbox"/>	M	T-VB101	1000	1	Casing (configurable) group 01	00002041	0050	L	0000000	
<input checked="" type="checkbox"/>	M	T-VB102	1000	1	Casing (configurable) group 02	00002047	0050	L	0000000	
<input checked="" type="checkbox"/>	M	T-VB103	1000	1	Casing (configurable) group 03	00002053	0050	L	0000000	
<input checked="" type="checkbox"/>	M	T-VB104	1000	1	Casing (configurable) group 04	00002059	0050	L	0000000	
<input checked="" type="checkbox"/>	M	T-VB105	1000	1	Casing (configurable) group 05	00002065	0050	L	0000000	
<input checked="" type="checkbox"/>	M	T-VB106	1000	1	Casing (configurable) group 06	00002071	0050	L	0000000	
<input checked="" type="checkbox"/>	M	T-VB107	1000	1	Casing (configurable) group 07	00002077	0050	L	0000000	
<input checked="" type="checkbox"/>	M	T-VB108	1000	1	Casing (configurable) group 08	00002083	0050	L	0000000	
<input checked="" type="checkbox"/>	M	T-VB109	1000	1	Casing (configurable) group 09	00002089	0050	L	0000000	
<input checked="" type="checkbox"/>	M	T-VB110	1000	1	Casing (configurable) group 10	00002095	0050	L	0000000	

After a single click on “Change Item Data” [2.2], the previously selected BOMs with the corresponding change number are revised. Potential assignments of date elements are taken into account here. With the mass change, a checkmark appears in the column “ChgEx.” after a table update in line with the BOM changes.

Area 3

The complete BOM explosion of the assembly selected in area 2 is displayed here. The information can be displayed by double-clicking in area 2. All nodes that contain additional elements can be expanded by a single click on the respective nodes.

Related Information

Tab Header Discontinued Parts in Assembly [page 16]

4.3 Simulation Tab Header

This tab header is also divided into three areas, as shown in the screenshot below.

The screenshot displays the SAP Discontinuation Control Monitor interface. The top navigation bar includes 'System Help' and a search field. Below it, the 'Discontinuation Control Monitor' title is shown, followed by tabs for 'Material to be discontinued', 'Simulation', 'Material to be discontinued in BOM', and 'MRP Overview'. The 'Simulation' tab is active, and the 'Predecessor-successor relationships' table is displayed. This table lists various materials and their relationships, with a red circle '1' highlighting a specific row. Below the table, there are two sub-panels: 'Stock/requirements list (MD04) - material 100-100' and 'Scheduling agreement - material 100-100'. The 'Stock/requirements list' panel shows a list of dates, MRP elements, and quantities, with a red circle '2' highlighting a row. The 'Scheduling agreement' panel shows a table with columns for 'Purch.Doc.', 'Item', 'Target Quantity', 'Quantity', 'UoM', 'POrd', 'PGr', 'Vendor', 'Salesperson', 'Val. Start', and 'Validity End', with a red circle '3' highlighting a row. Red arrows and numbers 1.1, 1.2, 2.1, 2.2, 2.3, and 2.4 point to specific elements in the interface.

Simulation Tab Header

Area 1

This table displays the previously defined predecessor-successor relationships in display mode. Here, the user can also filter by either materials [1.2] or assemblies [1.1].

Area 2

In this area, the current stock/requirements list (MD04) of the material selected in area 1 is displayed. Double-clicking on the upper table allows you to redefine the display of area 2 according to the selection. Double-clicking again on any table field in area 2 displays the original stock/requirements list (call TA MD04).

Simulation

In addition to updating the table [2.1], the user has the option to perform a simulation [2.2]. Clicking on the corresponding pushbutton simulates a one-step MRP run (call TA MDO3) for the selected material. The control parameters can be modified individually as required at the same time. During the simulation, the effective-out date and the successor of the discontinued part are manipulated accordingly in the data basis. After the simulation run, the system shows the user the planning result with the set effective-out date, as shown in the following figure.

Planning Result: Individual Lines

Firm date Procurement proposal Production order

Material: **DCC_DEMO_HALB_03** Antrieb für Endprodukt Pumpe
 MRP Area: 0001 Werk 0001
 Plant: 0001 MRP Type: PD Material Type: HALB Base Unit: PC

A..	Date	MRP ...	MRP element data	Rescheduli...	E..	Rec./reqd qty	Avail. quantity
	06.11.2018	Stock					100
	06.11.2018	DepReq	DCC_DEMO_FERT_01			10-	90
	06.11.2018	DepReq	DCC_DEMO_FERT_01			10-	80
	19.11.2018	DepReq	DCC_DEMO_FERT_01			10-	70
	14.12.2018	DepReq	DCC_DEMO_FERT_01			10-	60
	18.01.2019	DepReq	DCC_DEMO_FERT_01			10-	50
	15.02.2019	DepReq	DCC_DEMO_FERT_01			10-	40
	18.03.2019	DepReq	DCC_DEMO_FERT_01			10-	30
	15.04.2019	DepReq	DCC_DEMO_FERT_01			10-	20
	17.05.2019	DepReq	DCC_DEMO_FERT_01			10-	10
	14.06.2019	DepReq	DCC_DEMO_FERT_01			10-	0
	15.06.2019	---->	Effective-Out Date				

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Simulation Result

During the simulation, all dependent requirements that are generated after the effective-out date are forwarded to the follow-up material. However, this occurs only when the stock has been consumed fully. The simulation can be repeated as often as the user requires. This methodology can be used to determine the optimum effective-out date for the respective material.

i Note

If the user wants to end the simulated planning run, a dialog box appears (see screenshot below), asking whether the planning result is to be saved. This is always to be answered with No, since otherwise the results of the planning run are saved.

The screenshot shows the SAP 'Planning Result: Individual Lines' interface. A dialog box titled 'BPA(1)/800 Cancel Planning' is overlaid on the table, asking 'Planning results will be lost. Save event?' with 'Yes', 'No', and 'Cancel' buttons. The 'No' button is highlighted with a red box. The background table shows planning data for material DCC_DEMO_HALB_03.

A..	Date	MRP ...	MRP element data	Rescheduli...	E..	Rec./reqd qty	Avail. quantity
	07.11.2018	Stock					100
	06.11.2018	DepReq				10-	90
	06.11.2018	DepReq				10-	80
	19.11.2018	DepReq				10-	70
	14.12.2018	DepReq				10-	60
	18.01.2019	DepReq				10-	50
	15.02.2019	DepReq	DCC_DEMO_FERT_01			10-	40
	18.03.2019	DepReq	DCC_DEMO_FERT_01			10-	30
	15.04.2019	DepReq	DCC_DEMO_FERT_01			10-	20
	17.05.2019	DepReq	DCC_DEMO_FERT_01			10-	10
	14.06.2019	DepReq	DCC_DEMO_FERT_01			10-	0
	15.06.2019	----->	EFFECTIVE-OUT DATE				

Save Prompt

After the simulation has been completed, the simulation date and the successor used for the simulation are entered in the cells of the desired effective-out date and the successor. Thus, the last used simulation parameters remain visible for the user and are used as a template for a repeat simulation.

Maintenance of material and change master

Clicking on the "Maintain Master Data" button [2.3] opens a maintenance dialog.

BPA(1)/800 Maintenance of material and change master data

Master data to be updated

Plant: 1200 Change Number: TEST_555555
 Material: R-1230 Valid From: 04.10.2011
 Follow-Up Material: R-1170
 Eff.-out date: 13.06.2012

Databasis for update

Date to be set: 13.06.2012 Follow-up material: R-1170

Select master data elements to be updated

Discontinuation control in MM
 Validity of change number

Alternative dates (select line(s))

Alternative date	Valid From	Ol
TEST1	13.06.2012	X
TEST2	11.09.2011	X

Update Done

Dialog Box for Maintaining the Material and Change Master

The first area displays the current values of the master data to be updated in display mode. The relevant data of the discontinued part is displayed on the left-hand side. The right-hand side shows the change number previously assigned on tab header 1, with the corresponding validity date.

In the second area, the values that are the basis for editing are displayed. The corresponding desired effective-out date and the desired follow-up material serve as a template here.

In the third and final area, the master data objects to be updated are to be selected. The options are the discontinuation control in the material master as well as the validity of the change number. In addition, date elements that are assigned to the change master are assigned a new validity date. For the values defined previously in area 2 for the desired objects to be transferred, the selection fields must be set at the appropriate position. For the date elements, make sure that the individual entries in the displayed table are selected.

Clicking on the update pushbutton updates the previously selected master data accordingly. You can use the done pushbutton to close the window without change.

Direct jump to the material master data view

The corresponding material can be edited directly via the pushbutton [2.4] (call TA MM02).

Area 3

In the third area of this tab header, the information on possible delivery schedules is listed. A single click on the purchasing document category (call TA ME33L) allows you to display the respective delivery schedule directly with its individual items in detail.

4.4 Tab Header *Discontinued Parts in Assembly*

The third tab header can be divided into four different areas and primarily serves to define assembly-specific interchangeable items.

The screenshot displays the SAP Discontinuation Control Monitor interface. It is divided into four main areas:

- Area 1 (Red circle 1):** A table titled "Predecessor-successor-relationships (only BOM)". It lists materials and their relationships. For example, material 1000 CS_ALL_HALB_E_0001 is a predecessor of 1200 R-1002.
- Area 2 (Red circle 2):** A section titled "Already defin. (plant spec.) mat. to be discont. in R-1002". It lists materials that are already defined in the plant specification and are to be discontinued in R-1002.
- Area 3 (Red circle 3):** A BOM tree view for material R-1002, showing its components like "Cable with grounded plug", "Keyboard, English International", "TFT Monitor, 17\"", "Harddisk, 20 GB", "CD-ROM-DRIVE with label", "Modem", and "Motherboard M-3200".
- Area 4 (Red circle 4):** A table titled "BOM specific items to be replaced in R-1002". It lists items that are to be replaced in the BOM of R-1002, such as "Cable with grounded plug", "Keyboard, English International", "CD-ROM-DRIVE with label", "Modem", and "TFT Monitor, 17\"".

Tab Header Discontinued Parts in Assembly

Area 1

As on the "Simulation" tab header, the predecessor-successor relationships are displayed in display mode in this area. However, the table exclusively lists assemblies, since only these are relevant in the current context.

Area 2

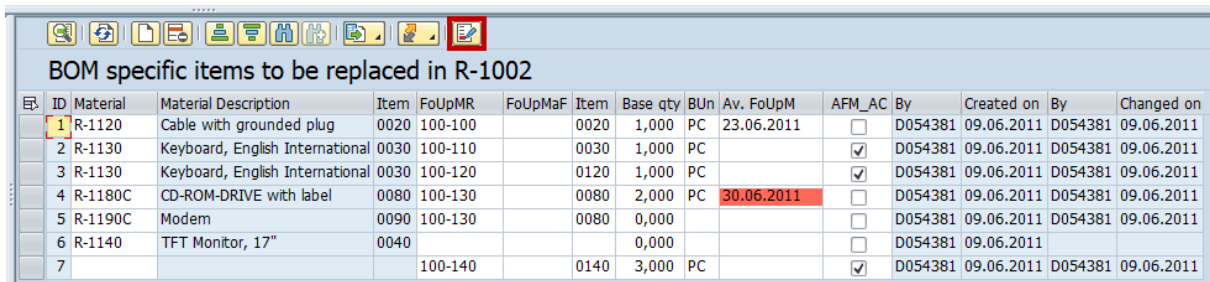
In the second area, the defined plant-specific discontinued parts are listed with all related information. These are materials or assemblies that have been defined as discontinued parts on tab header 1. Only the materials that are contained in the BOM usage defined previously on the "Definition of Discontinued Parts" tab header are taken into account.

Area 3

A complete BOM explosion in the form of a tree is shown here, so that the assembly-specific interchangeable items can be identified more easily in the next step. The nodes with additional components can be expanded using a single click. This display also refers to previously defined BOM usage.

Area 4

This area represents the core function of the third tab header and defines the assembly-specific interchangeable items. Any constellations can be defined, as the following examples illustrate:



ID	Material	Material Description	Item	FoUpMR	FoUpMaF	Item	Base qty	BUn	Av. FoUpM	AFM_AC	By	Created on	By	Changed on
1	R-1120	Cable with grounded plug	0020	100-100		0020	1,000	PC	23.06.2011	<input type="checkbox"/>	D054381	09.06.2011	D054381	09.06.2011
2	R-1130	Keyboard, English International	0030	100-110		0030	1,000	PC		<input checked="" type="checkbox"/>	D054381	09.06.2011	D054381	09.06.2011
3	R-1130	Keyboard, English International	0030	100-120		0120	1,000	PC		<input checked="" type="checkbox"/>	D054381	09.06.2011	D054381	09.06.2011
4	R-1180C	CD-ROM-DRIVE with label	0080	100-130		0080	2,000	PC	30.06.2011	<input type="checkbox"/>	D054381	09.06.2011	D054381	09.06.2011
5	R-1190C	Modem	0090	100-130		0080	0,000			<input type="checkbox"/>	D054381	09.06.2011	D054381	09.06.2011
6	R-1140	TFT Monitor, 17"	0040				0,000			<input type="checkbox"/>	D054381	09.06.2011		
7				100-140		0140	3,000	PC		<input checked="" type="checkbox"/>	D054381	09.06.2011	D054381	09.06.2011

Assembly-Specific Interchangeable Items

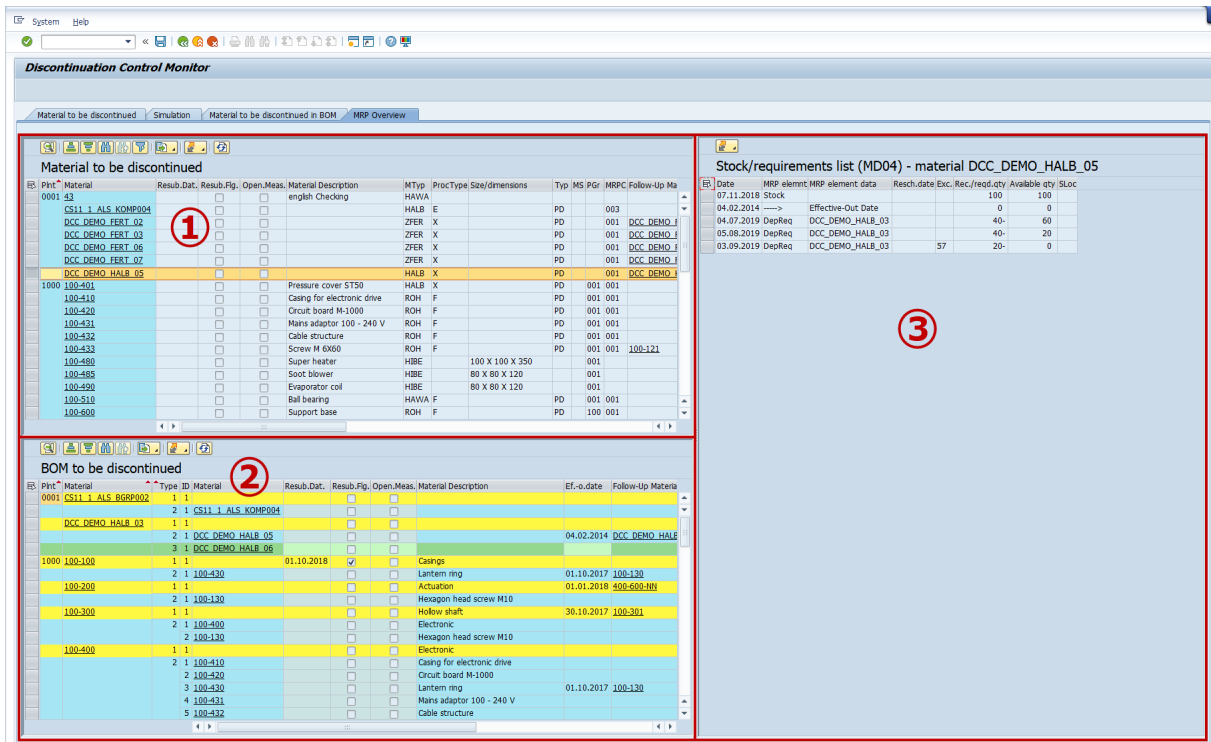
Note that these changes are to be made manually in the BOM. These definitions are not for BOM processing, but rather for determining the optimum expiration date of the associated assembly. Clicking on the "Determine Latest Availability" pushbutton determines the entry with the date furthest away in the future and highlights this in red. This can be used as an indication for the expiration date of the assembly.

i Note

If an assembly on tab header 1 is duplicated using the copy function provided, the associated assembly-specific interchangeable items are also transferred to the new assembly.

4.5 Tab Header *MRP Overview*

The final tab header serves as an overview for the MRP controller and is divided into three areas.



Tab Header MRP Overview

Area 1

In this table, all materials are listed according to the selection screen and enriched with additional information (see lower screenshot).

This is a detailed view of the 'Material to be discontinued' table. It includes additional columns for stock and requirements data:

- Stock at eff.-out date:** A column showing the stock quantity at the expiration date.
- EBE:** A column showing the effective balance.
- Available qty:** A column showing the available quantity.
- Stocks:** A column showing the current stock quantity.
- 1st RDS:** A column showing the first requirements date.
- 2nd RDS:** A column showing the second requirements date.
- Follow-up material:** A column showing the follow-up material number.
- FolupMaf:** A column showing the follow-up material factor.
- Eff:** A column showing the expiration date.

Detail View Area 1

This includes, for example, information such as the stock on the expiration date or whether there are still entries in the MD04 list after the expiration date (highlighted in red). However, the current stock as well as the stock coverage are still displayed (highlighted in orange). The list can be updated at any time using the Update pushbutton.

In addition, a single click on any displayed material number displays the current stock/requirements list in area 3. With a single click on the expiration date, the DCC monitor jumps to tab header 2 (Simulation) and selects the suitable entry automatically.

Area 2

All assemblies defined as discontinued parts are listed here (see lower screenshot).

Plnt	Material	Type ID	Material	Resub.Dat.	Resub.Fg.	Open.Meas.	Material Description	Exp.-o.date	Follow-Up Material	Av. FolUpM	APM.AC	Stock at eff.-out date	EBE	Available qty	Stc4DS	1st RDS	2nd RDS
1200	R-1002	1					Maxtec R 3133 Personal computer	01.07.2011	R-1120			345,000	0,000	999,9	999,9	999,9	999,9
		2	R-1120				Cable with grounded plug						117,000	999,9	999,9	999,9	999,9
		3	R-1130				Keyboard, English International						313,000	999,9	999,9	999,9	999,9
			K009830856					01.10.2011	K009830895				0,000	0,0	0,0	0,0	0,0
		3	R-1120				Cable with grounded plug		100-100	23.06.2011			0,000	0,0	0,0	0,0	0,0
		2	R-1130				Keyboard, English International		100-110				0,000	0,0	0,0	0,0	0,0
		3	R-1130				Keyboard, English International		100-120				0,000	0,0	0,0	0,0	0,0
		4	R-1180C				CD-ROM-DRIVE with label		100-130	30.06.2011			0,000	0,0	0,0	0,0	0,0
		5	R-1190C				Modem		100-130				0,000	0,0	0,0	0,0	0,0
		6	R-1140				TFT Monitor, 17"		100-140				0,000	0,0	0,0	0,0	0,0
		7							100-140				0,000	0,0	0,0	0,0	0,0
2300	P-102	1					Pump PRECISION 102	01.10.2010	P-103			0,000	0,000	999,9	999,9	999,9	999,9
		2	102-100				Casing 102	04.01.2019	102-400			1100,000	100,000	999,9	999,9	999,9	999,9
		3	102-200				Fly wheel W-102					100,000	100,000	999,9	999,9	999,9	999,9
		4	102-300				Hollow shaft					100,000	100,000	38,1	38,1	38,1	38,1
		5	102-400				Pressure cover-sphere-cast					100,000	100,000	38,0	38,0	38,0	38,0
		6	102-500				Bearing case					100,000	100,000	38,1	38,1	38,1	38,1
		7	102-600				Support base					100,000	100,000	38,1	38,1	38,1	38,1
		7	102-200				Sheet metal ST37					100,000	100,000	38,1	38,1	38,1	38,1

Detail View Area 2

In this overview, the color distinction of the individual rows is important for a fundamental understanding of the table. The structure of the table is represented in the following using an example from the upper screenshot.

- YELLOW: Assembly R-1002
- BLUE: Defined plant-specific discontinued parts in assembly R-1002
- GREEN: Assembly-specific interchangeable items in assembly R-1002
- YELLOW: Assembly P-102
- BLUE: Defined plant-specific discontinued parts in assembly P-102

The type specification in the third column on the left serves as a further differentiator of the rows.

- Type 1: The assembly
- Type 2: Defined plant-specific discontinued parts
- Type 3: Assembly-specific interchangeable items

For the rows of assembly-specific interchangeable items (green), the fields of the columns Expiration Date, Stock on Expiration Date, More Rows, Current Stock, Stock Coverage, as well as the first and second intermediate coverage have a lighter color and are not filled with values. Since these materials are only to be exchanged in the respective assembly, they have no plant-specific expiration date and therefore no stock for the expiration date. Displayed zeroes can be ignored in these cells.

Area 3

In this final area, the current stock/requirements list for the materials chosen in area 1 or 2 are displayed.

5 Activation of Additional Functions

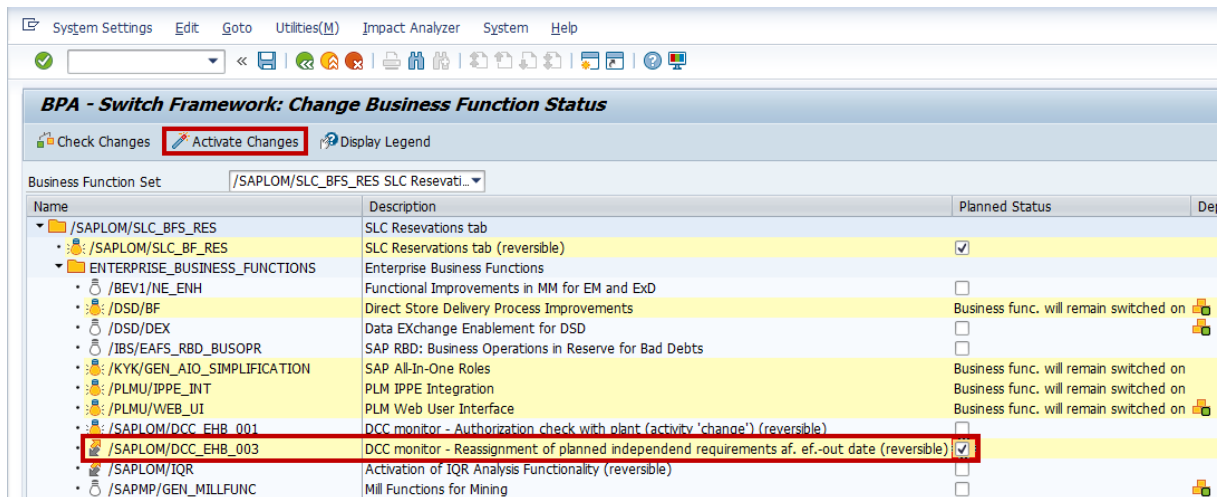
The following functionalities can also be activated.

5.1 Reassignment of Planned Independent Requirements

To activate the functionality of reassigning planned independent requirements for discontinued parts, an additional business function from the Switch Framework must also be activated.

5.1.1 Activation of Functionality

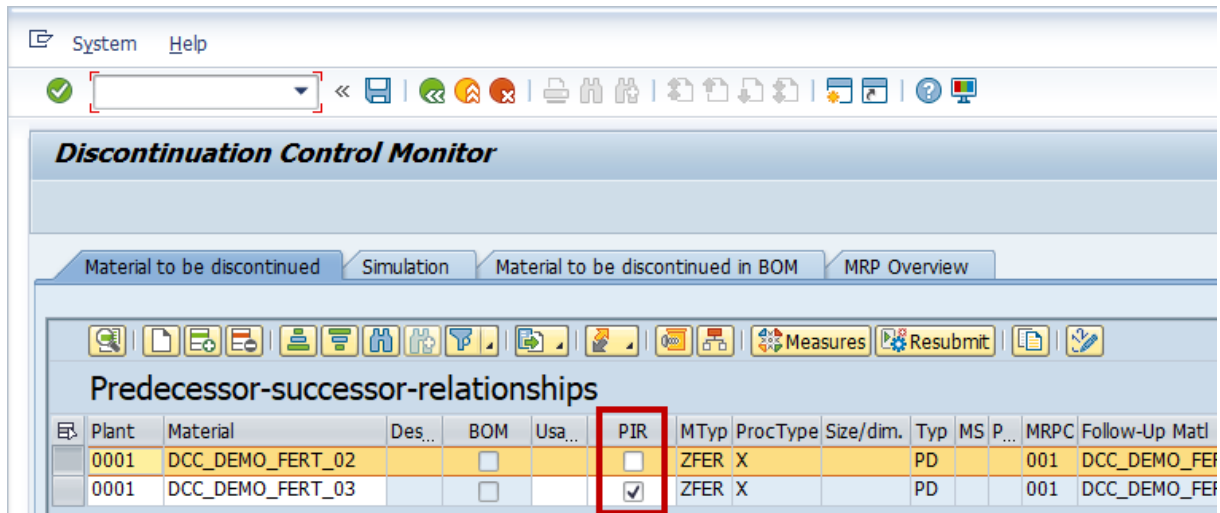
This occurs in standard Customizing, via transaction SFW5. A switch (/SAPLOM/DCC_EHB_003) is provided here, which activates the corresponding functionality in the DCC monitor. Initially, this functionality is inactive and needs to be configured by an administrator with corresponding access rights where necessary.



Activation via Transaction SFW5

5.1.2 Usage of Functionality

As a result of activation, certain screen elements are also displayed, which were hidden previously. Specifically, this affects the table of the predecessor-successor relationships, where an additional column becomes available:



The screenshot shows the SAP Discontinuation Control Monitor interface. The main title is "Discontinuation Control Monitor". Below it, there are tabs for "Material to be discontinued", "Simulation", "Material to be discontinued in BOM", and "MRP Overview". The "Simulation" tab is active. The table below is titled "Predecessor-successor-relationships". The table has columns: Plant, Material, Des..., BOM, Usa..., PIR, MTyp, ProcType, Size/dim., Typ, MS, P..., MRPC, and Follow-Up Matl. The PIR column is highlighted with a red box. The first row has a checkbox in the PIR column, and the second row has a checked checkbox in the PIR column.

Plant	Material	Des...	BOM	Usa...	PIR	MTyp	ProcType	Size/dim.	Typ	MS	P...	MRPC	Follow-Up Matl
0001	DCC_DEMO_FERT_02		<input type="checkbox"/>		<input type="checkbox"/>	ZFER	X		PD			001	DCC_DEMO_FER
0001	DCC_DEMO_FERT_03		<input type="checkbox"/>		<input checked="" type="checkbox"/>	ZFER	X		PD			001	DCC_DEMO_FER

Indicator for Reassignment of Planned Independent Requirements

Setting a checkmark in this column identifies the material as relevant for the reassignment of planned independent requirements. However, this does not mean that this type of requirement is automatically forwarded to the successor material. The actual reassignment takes place in a separate step. For this, you must choose the "Maintain Master Data" pushbutton on the second tab header "Simulation".

Thus, the dialog box mentioned in the "Tab Header Simulation" section appears, which now contains an enhancement for the reassignment of planned independent requirements in the lower area. For the requirements to be taken into account accordingly, the checkmark must be set appropriately. This action results in a checkmark also being set for "Discontinuation Control in the Material Master", so that the reorganization of the planned independent requirements takes place synchronously with the setting of the expiration date in the material master.

BPA(1)/800 Maintenance of material and change master data

Master data to be updated

Plant: 1200 Change Number: TEST_555555
 Material: R-1230 Valid From: 04.10.2011
 Follow-Up Material: R-1170
 Eff.-out date: 13.06.2012

Databasis for update

Date to be set: 13.06.2012 Follow-up material: R-1170

Select master data elements to be updated

Discontinuation control in MM
 Validity of change number
 Alternative dates (select line(s))

Alternative date	Valid From	OI
TEST1	13.06.2012	X
TEST2	11.09.2011	X

Reassignment of planned independent requirements

Reassign planned independent requirements after eff.-out date

Requirements type:
 Reqmts Plan: (related to material-plant-combination)

Selected version
 All active versions
 All active/inactive versions

Update Done

Enhancement of Dialog Box for Master Data Maintenance

Furthermore, the user can choose here which version of the planned independent requirements are to be taken into account for the reassignment. For the requirements plan, it is to be considered that this criterion refers

exclusively to the versions within the expiring material/plant combination. Versions of other materials that are assigned to this requirements plan are not taken into account.

Related Information

[Simulation Tab Header \[page 12\]](#)

5.1.3 Example

To understand the system behavior better, an example is given, which illustrates the reassignment mechanism. The initial situation in the part to be discontinued is as follows:

The screenshot shows the 'Plnd Ind. Reqmts Change: Planning Table' for material DCC_DEMO_FERT_03. The table displays requirements for various months from May 2013 to March 2014. The requirements are consistent at 10 units per month.

Material	MRP ...	V	A	BU	M 05.2013	M 06.2013	M 07.2013	M 08.2013	M 09.2013	M 10.2013	M 11.2013	M 12.2013	M 01.2014	M 02.2014	M 03.2014
DCC_DEMO_FERT_03	01	00	<input checked="" type="checkbox"/>	PC	10	10	10	10	10	10	10	10	10	10	10

Initial Situation in Part To Be Discontinued

There are already some requirements for the follow-up material since the material has already been in use for a while and planned:

The screenshot shows the 'Plnd Ind. Reqmts Change: Planning Table' for material DCC_DEMO_FERT_04. The table displays requirements for various months from May 2013 to March 2014. The requirements are consistent at 5 units per month.

Material	MRP ...	V	A	BU	M 05.2013	M 06.2013	M 07.2013	M 08.2013	M 09.2013	M 10.2013	M 11.2013	M 12.2013	M 01.2014	M 02.2014	M 03.2014
DCC_DEMO_FERT_04	01	00	<input checked="" type="checkbox"/>	PC	5	5	5	5	5	5	5	5	5	5	5

Initial Situation in Follow-Up Material

Now the planned independent requirements will be diverted via the dialog box described previously with the following settings by clicking on the Update pushbutton:

Maintenance of material and change master data
✕

Master data to be updated

Plant	0001	Change Number	
Material	DCC_DEMO_FERT_03	Valid From	
Follow-Up Material			
Eff.-out date			

Databasis for update

Date to be set	01.10.2013	📅	Follow-up material	DCC_DEMO_FERT_04	📅
----------------	------------	---	--------------------	------------------	---

Select master data elements to be updated

<input checked="" type="checkbox"/> Discontinuation control in MM <input type="checkbox"/> Validity of change number	<input type="checkbox"/> Alternative dates (select line(s)) <table style="width: 100%; border-collapse: collapse; border: 1px solid #ccc;"> <thead> <tr> <th style="width: 50%; border: 1px solid #ccc;">Alternative date</th> <th style="width: 20%; border: 1px solid #ccc;">Valid From</th> <th style="width: 30%; border: 1px solid #ccc;">O</th> </tr> </thead> <tbody> <tr> <td style="height: 150px;"></td> <td></td> <td></td> </tr> </tbody> </table>	Alternative date	Valid From	O			
Alternative date	Valid From	O					

Reassignment of planned independent requirements

 Reassign planned independent requirements after eff.-out date

Requirements type		
Reqmts Plan		(related to material-plant-combination)

Selected version 00
 All active versions
 All active/inactive versions

Update

 Done

Dialog Box for Reassigning Planned Independent Requirements

This results in the following situation for planned independent requirements in the part to be discontinued. All requirements after the expiration date are written to an inactive version, whereby even in the discontinued part it remains transparent which values were maintained here originally:

Material	MRP ...	V	A	BU	M 05.2013	M 06.2013	M 07.2013	M 08.2013	M 09.2013	M 10.2013	M 11.2013	M 12.2013	M 01.2014	M 02.2014	M 03.2014
DCC_DEMO_FERT_03	01	00	✓	PC	10	10	10	10	10						
DCC_DEMO_FERT_03	0001	00		PC						10	10	10	10	10	10

Result of Reassignment on the Part To Be Discontinued

In the follow-up material, the reassigned requirements are now visible and are identified in a separate active version. This enables the “normal” requirements of the successor to be distinguished from the reassigned requirements:

Material	MRP ...	V	A	BU	M 05.2013	M 06.2013	M 07.2013	M 08.2013	M 09.2013	M 10.2013	M 11.2013	M 12.2013	M 01.2014	M 02.2014	M 03.2014
DCC_DEMO_FERT_04	01	00	✓	PC	5	5	5	5	5	5	5	5	5	5	5
DCC_DEMO_FERT_04	0001	00	✓	PC						10	10	10	10	10	10

Result of Reassignment on the Follow-Up Material

The regenerated versions differ in both the discontinued part and the successor by a separate requirement version that identifies the versions affected by the reassignment:

Material	Short Text	MRP ...	V	A	Req Plan	Plan Qty	BU	RTyp	CI	S...	M...	MRP...	M...	S	H	T..
DCC_DEMO_FERT_04	Nachfolger für Fernbedienung Typ 1/2	0001	00	✓			55	PC	LSF	10	PD	001		✓	✓	
DCC_DEMO_FERT_04	Nachfolger für Fernbedienung Typ 1/2	0001	00	✓	/SAPLOM/		60	PC	LSF	10	PD	001		✓	✓	

Identification of Reassigned Requirements in Follow-Up Material

5.2 Authorization Check on Plant

Just like the reassignment of the planned independent requirements, the authorization check can be activated in a plant. The switch “/SAPLOM/DCC_EHB_001” can be activated as required using transaction “SFW5”. After executing the selection screen it is hereby checked whether the user has authorization for the plants used in the selection. If this is not the case, a corresponding error message appears.

The screenshot shows the SAP SFW5 transaction interface. The title bar reads "BPA - Switch Framework: Change Business Function Status". Below the title bar, there are three buttons: "Check Changes", "Activate Changes" (highlighted with a red box), and "Display Legend". The "Business Function Set" dropdown is set to "IQR Functionality". The main table lists various business functions with their descriptions and planned status. The entry "/SAPLOM/DCC_EHB_001" is highlighted with a red box, and its "Planned Status" checkbox is checked.

Name	Description	Planned Status
/SAPLOM/IQR	IQR Functionality	
ENTERPRISE_BUSINESS_FUNCTIONS	Enterprise Business Functions	
/BEV1/NE_ENH	Functional Improvements in MM for EM and ExD	<input type="checkbox"/>
/DSD/BF	Direct Store Delivery Process Improvements	<input checked="" type="checkbox"/> Business func.
/DSD/DEX	Data EXchange Enablement for DSD	<input type="checkbox"/>
/IBS/EAFS_RBD_BUSOPR	SAP RBD: Business Operations in Reserve for Bad Debts	<input type="checkbox"/>
/KYK/GEN_AIO_SIMPLIFICATION	SAP All-In-One Roles	<input checked="" type="checkbox"/> Business func.
/PLMU/IPPE_INT	PLM IPPE Integration	<input checked="" type="checkbox"/> Business func.
/PLMU/WEB_UI	PLM Web User Interface	<input checked="" type="checkbox"/> Business func.
/SAPLOM/DCC_EHB_001	DCC monitor - Authorization check with plant (activity 'change') (reversible)	<input checked="" type="checkbox"/>
/SAPLOM/DCC_EHB_003	DCC monitor - Reassignment of planned independent requirements af. ef.-out date (reversible)	<input checked="" type="checkbox"/>
/SAPLOM/IQR	Activation of IQR Analysis Functionality (reversible)	<input checked="" type="checkbox"/>
/SAPMP/GEN_MILLFUNC	Mill Functions for Mining	<input type="checkbox"/>

Activation of Authorization Check on Plant

6 Support



When an error occurs in the program and a corresponding support agreement has been entered into, a ticket can be opened under the component XX-PROJ-CON-ALS.

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