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# Document Control Center – Document Planning

## 1. Prerequisites

iPPE nodes (transaction OPPE02) and their relationships (transaction OPPE05) for building a PPG structure are already customised (see also Structure Management).

iPPE nodes (transaction OPPE02) and iPPE component variants for document planning (transaction OPPE03) as well as their relationships (transaction OPPE06) are already customised (see also Structure Management). SAP document type is customised.

## 2. Customizing

Call the transaction OPPE12

Change to view "Layout - Definition"

Create a new layout for the iPPE node for which the document planning item should be created. Assign the tab "/BDFPLM/DCC\_PVDOC" to this layout.

Call the transaction CL01

Create a class of type 017 as the header of a class hierarchy (e.g. CL\_BASIS\_001)

Create a class of type 017 as a BDF document type class (e.g. CL\_EC\_001 for "Technical specification/requirement document")

Creation of a characteristic for the BDF document type (e.g. AT\_001 "BDF document type") and assignment to the class.



Klasse: CL\_EC\_001

Klassenart: 017 Dokumentenverwaltung

Änderungsnummer:

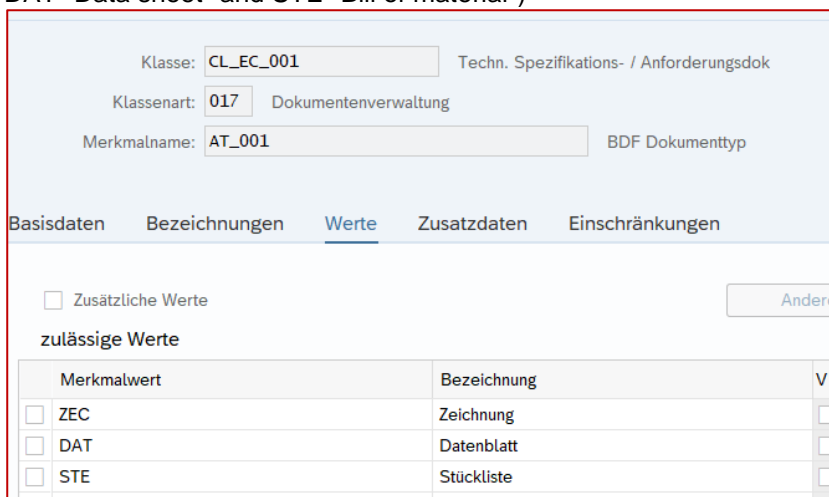
Gültig ab: 29.07.2021

Gültigkeit

Basisdaten Schlagwörter **Merkmale** Texte

Merkmal	Bezeichnung	Daten...	An...	De...	Einheit	M..	Anwendungssic
<input type="checkbox"/> AT_001	BDF Dokumenttyp	CHAR	30	0		<input type="checkbox"/>	

Maintenance of the input help of the characteristic for the class of the BDF document types (e.g. ZEC "Drawing", DAT "Data sheet" and STE "Bill of material")



Klasse: CL\_EC\_001 Techn. Spezifikations- / Anforderungsdok

Klassenart: 017 Dokumentenverwaltung

Merkmalname: AT\_001 BDF Dokumenttyp

Basisdaten Bezeichnungen **Werte** Zusatzdaten Einschränkungen

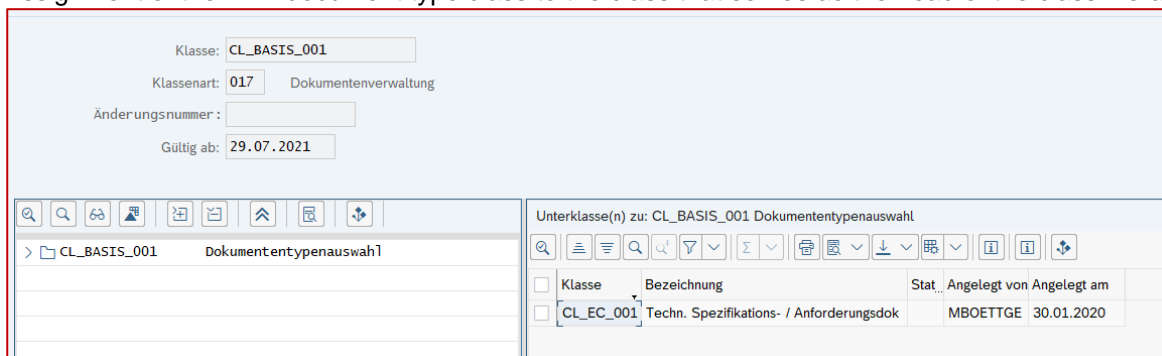
Zusätzliche Werte

zulässige Werte

Merkmalwert	Bezeichnung	V
<input type="checkbox"/> ZEC	Zeichnung	<input type="checkbox"/>
<input type="checkbox"/> DAT	Datenblatt	<input type="checkbox"/>
<input type="checkbox"/> STE	Stückliste	<input type="checkbox"/>

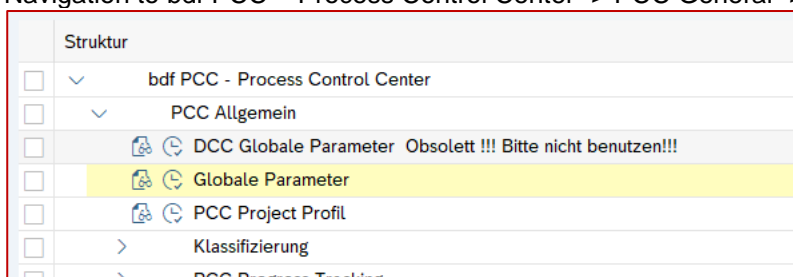
Call the transaction CLHP

Assignment of the BDF document type class to the class that serves as the head of the class hierarchy.

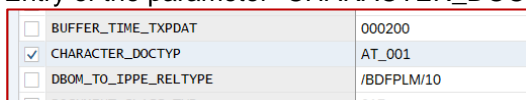


Call the transaction /BDFPLM/IMG

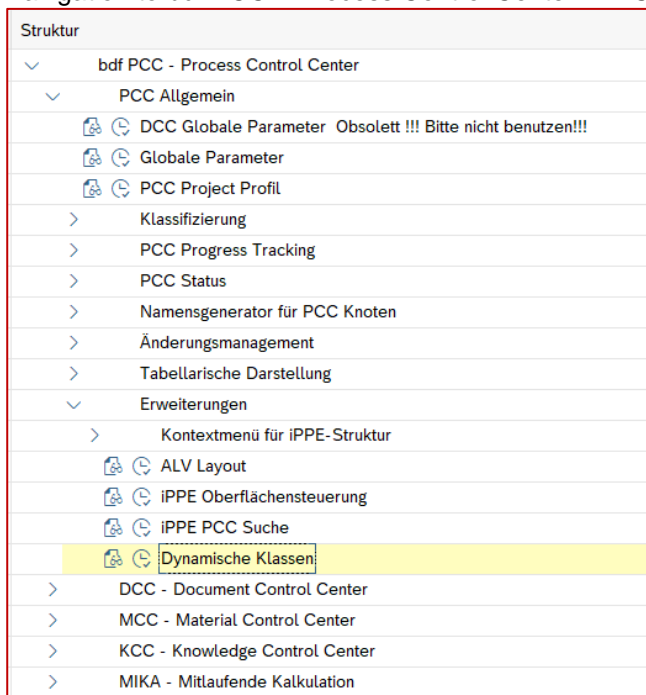
Navigation to bdf PCC – Process Control Center -> PCC General -> Global Parameter



Entry of the parameter "CHARACTER\_DOCTYP" with the characteristic of the BDF document type (e.g. AT\_001)



Navigation to bdf PCC – Process Control Center -> PCC General -> Enhancements -> Dynamic classes



Navigation to the entry "PVDOC" and change to view "BDF Type -> iPPE Type". Entry of the desired component variant as "Obj. type" V variant.

Navigation to bdf PCC - Process Control Center -> DCC - Document Control Center -> Document Management -> Document type hierarchy-> Document types relevant for the document type hierarchy

Struktur	
<input type="checkbox"/>	▼ bdf PCC - Process Control Center
<input type="checkbox"/>	> PCC Allgemein
<input type="checkbox"/>	▼ DCC - Document Control Center
<input type="checkbox"/>	DCC Empfängerermittlung
<input type="checkbox"/>	Status definieren
<input type="checkbox"/>	▼ Dokumentverwaltung
<input type="checkbox"/>	Dokumente aus Vorlage erzeugen
<input type="checkbox"/>	Mehrsprachigkeit Kurztexthe bei DIS Anlage
<input type="checkbox"/>	▼ Dokumenttyphierarchie
<input type="checkbox"/>	Dokumentarten, die für Dokumenttyphierarchie relevant sind
<input type="checkbox"/>	Dokumenttyphierarchie
<input type="checkbox"/>	Zusätzliche Klassifizierung für Dokumente
<input type="checkbox"/>	> DCC Dokumentenverteilung
<input type="checkbox"/>	> DCC Nummerngenerator

Maintenance of the SAP document type to be used for the BDF document type

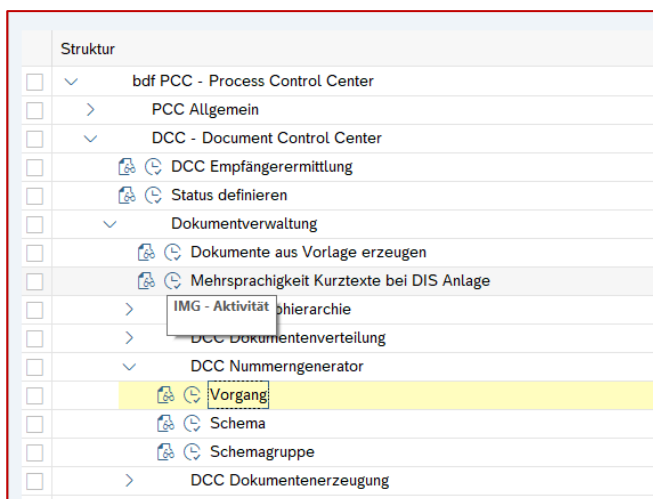
Navigation to bdf PCC - Process Control Center -> DCC - Document Control Center -> Document management -> Document type hierarchy -> Document type hierarchy

Struktur	
<input type="checkbox"/>	▼ bdf PCC - Process Control Center
<input type="checkbox"/>	> PCC Allgemein
<input type="checkbox"/>	▼ DCC - Document Control Center
<input type="checkbox"/>	DCC Empfängerermittlung
<input type="checkbox"/>	Status definieren
<input type="checkbox"/>	▼ Dokumentverwaltung
<input type="checkbox"/>	Dokumente aus Vorlage erzeugen
<input type="checkbox"/>	Mehrsprachigkeit Kurztexthe bei DIS Anlage
<input type="checkbox"/>	▼ Dokumenttyphierarchie
<input type="checkbox"/>	Dokumentarten, die für Dokumenttyphierarchie relevant sind
<input type="checkbox"/>	Dokumenttyphierarchie
<input type="checkbox"/>	Zusätzliche Klassifizierung für Dokumente
<input type="checkbox"/>	> DCC Dokumentenverteilung

Maintain the previously created classes and assign the SAP document type to the BDF document type class and mark the class that is the head of the class hierarchy as "Basic"

Dokumenttyphierarchie						
Klasse	Art	Inactive	Invisible	Extern	Basic	
<input type="checkbox"/> CL_BASIS_001	I	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/> CL_EC_001	EC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

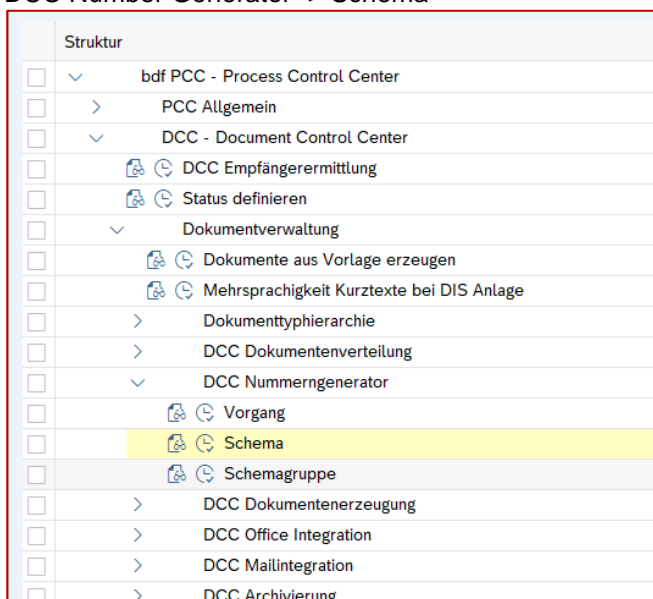
Navigation to bdf PCC - Process Control Center -> DCC - Document Control Center -> Document management -> DCC Number generator -> Transaction



Maintenance of a transaction for the SAP document type and the corresponding BDF document types (or for all "\*\*")

DCC Nummerngenerator - Zuordnung Doktyp - Dokart - Vorgang		
Dokumenttyp	Dokumentart	Objektypgruppe
<input checked="" type="checkbox"/> *	EC	EC

Navigation to bdf PCC - Process Control Center -> DCC - Document Control Center -> Document Management -> DCC Number Generator -> Schema



Creation of a numbering scheme. For example, with the following structure:

- First part of the number is created from the characteristic value of AT\_001 of the document info record with 2 digits
- Second part of the number as automatically determined consecutive number 8 digits
- both separated by “-“

DCC Regeln Nummerngenerator									
Numschema	LfdNr	Merkmal/freier Wert	Länge	Trennzeich	Funktionsbaustein	Lfdnr Relevant	ist Lfdnr	Darf leer sein	
<input checked="" type="checkbox"/> SCHEME	1	AT_001	2	-	/BDFPLM/DCC_MERKMAL_LESEN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/> SCHEME	2		8			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Navigation to bdf PCC - Process Control Center -> DCC - Document Control Center -> Document Management -> DCC Number Generator -> Schema Group

Struktur	
<input type="checkbox"/>	▼ bdf PCC - Process Control Center
<input type="checkbox"/>	> PCC Allgemein
<input type="checkbox"/>	▼ DCC - Document Control Center
<input type="checkbox"/>	DCC Empfängerermittlung
<input type="checkbox"/>	Status definieren
<input type="checkbox"/>	▼ Dokumentverwaltung
<input type="checkbox"/>	Dokumente aus Vorlage erzeugen
<input type="checkbox"/>	Mehrsprachigkeit Kurztexte bei DIS Anlage
<input type="checkbox"/>	> Dokumenttyphierarchie
<input type="checkbox"/>	> DCC Dokumentenverteilung
<input type="checkbox"/>	▼ DCC Nummerngenerator
<input type="checkbox"/>	Vorgang
<input type="checkbox"/>	Schema
<input type="checkbox"/>	Schemagruppe
<input type="checkbox"/>	> DCC Dokumentenerzeugung
<input type="checkbox"/>	> DCC Office Integration
<input type="checkbox"/>	> DCC Mailintegration
<input type="checkbox"/>	> DCC Anbieters...

Assignment of the object type group from "transaction" and the numbering scheme from "scheme" to a scheme group (can be used in a PPG structure, "\*" for all not maintained)

Schemagruppe			
	Schemagruppe	Objekttypgruppe	Numschema
<input checked="" type="checkbox"/>	f	EC	SCHEME

### 3. Development

Customised copy of the template BAdI implementations for the following BAdI:

BAdI DOCUMENT\_MAIN01: /BDFPLM/DCCDOCMAIN01

BAdI DOCUMENT\_MAIN02: /BDFPLM/DCCDOCMAIN02

## Document Control Center – Event Scheduling

### 1. Prerequisites

iPPE nodes (transaction OPPE02) and their relationships (transaction OPPE05) for building a PPG structure are already customised (see also Structure Management).

iPPE nodes (transaction OPPE02) and iPPE component variants for document planning (transaction OPPE03) as well as their relationships (transaction OPPE06) are already customised (see also Structure Management).  
SAP document type is customised.

### 2. Customizing

Call the transaction /BDFPLM/IMG

Navigate to bdf PCC – Process Control Center -> PCC General -> Global Parameter

Struktur	
<input type="checkbox"/>	bdF PCC - Process Control Center
<input type="checkbox"/>	PCC Allgemein
<input type="checkbox"/>	DCC Globale Parameter Obsolett !!! Bitte nicht benutzen!!!
<input type="checkbox"/>	<b>Globale Parameter</b>
<input type="checkbox"/>	PCC Project Profil
<input type="checkbox"/>	> Klassifizierung
<input type="checkbox"/>	PCC Progress Tracking
<input type="checkbox"/>	PCC Progress Tracking
<input type="checkbox"/>	Zeiteinheiten pflegen
<input type="checkbox"/>	> PCC Status
<input type="checkbox"/>	> Namensgenerator für PCC Knoten

Maintenance of the desired name of the expediting object for document planning items in parameter "EXP\_OBJECT\_PVDOC" e.g. „Y2“

Proces Control Center Globale Parameter	
Parametername	Parameterwert
<input checked="" type="checkbox"/> EXP_OBJECT_PVDOC	Y2

Navigate to bdf PCC – Process Control Center -> PCC General -> PCC Progress Tracking -> PCC Progress Tracking

Maintenance of the expediting object for document planning items, e.g. „Y2“

Description freely selectable, e.g. "iPPE PosVar PVDOC"

Structure Subobject: /BDFPLM/PCCTXDOC

Programme name: /BDFPLM/EXPD

Screen number: 6100

Dialogstruktur

- Progress Tracking Objekt
  - Standardereignisse definieren
  - Szenarien definieren
  - Ereignisrelationen eines Szier
  - Progress-Tracking-Profil

ExpObjekt: Y2

Progress Tracking Objekt

Allgemein

Beschreibung: IPPE PosVar PVDOC

Objektstruktur:

StrUnterobjekt: /BDFPLM/PCCTXDOC

Subscreen Objekt

Programmname: /BDFPLM/EXPD

Dynpronummer: 6100

Subscreen Unterobjekt

Programmname:

Dynpronummer:

Change to "Define standard events" of the expediting object (e.g. „Y2“)

Example specification:

DO001: Document data maintained

DO002: Document info record generated

DO003: Original assigned

DO004: Document approved

Dialogstruktur

- Progress Tracking Objekt
  - Standardereignisse definieren
  - Szenarien definieren
  - Ereignisrelationen eines Szier
  - Progress-Tracking-Profil

ExpObjekt: Y2

Standardereignisse definieren

Ereignis	Beschreibung	Rang	Referenz Ursprung	Referenz Plan	Referenz Prognose	Referenz Ist
<input type="checkbox"/> DO001	Dokumentdaten gepflegt					
<input type="checkbox"/> DO002	Dokumentinfosatz erstellt					
<input type="checkbox"/> DO003	Original zugeordnet					
<input type="checkbox"/> DO004	Dokument freigegeben					

Change to "Define scenarios" of the expediting object (e.g. „Y2“)

Example specification:

DO\_001 "Document creation" with factory calendar ID "01"

Dialogstruktur

- Progress Tracking Objekt
  - Standardereignisse definieren
  - Szenarien definieren
  - Ereignisrelationen eines Szier
  - Progress-Tracking-Profil

ExpObjekt: Y2

Szenarien definieren

Szenario	Beschreibung	Fabrikkal.-ID
<input type="checkbox"/> DO_001	Dokumentenerstellung	01

Change to "Define event relations of a scenario" of the expediting object (e.g. „Y2“ and the scenario (e.g. „DO\_001“)

Maintenance of the sequence of events (forward and backward), the event pairs relevant for forward and backward scheduling (checkboxes "Forward" and "Backward"), the time interval between two events in days ("Time interval") as well as the starting points for forward scheduling ("Forward.AT") and for backward scheduling ("Backward.AT")

Dialogstruktur

- Progress Tracking Objekt
  - Standardereignisse definieren
  - Szenarien definieren
  - Ereignisrelationen eines Szier
  - Progress-Tracking-Profil

ExpObjekt: Y2

Szenario: DO\_001

Ereignisrelationen eines Szenarios pflegen

Voraus	Nachf.	Vorwärts	Rückwärts	Zeitabstand	Referenz	Voraus.AT	Nachf.AT
<input type="checkbox"/> DO001	DO002	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> DO002	DO003	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> DO003	DO004	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Change to "Define scenarios" of the expediting object (e.g. „Y2“)



Maintenance of the Progress Tracking Profile.  
Example specification for forward scheduling:

The screenshot shows the 'Progress-Tracking-Profil' configuration in SAP. The 'ExpObjekt' is 'Y2' and the 'Profil' is 'PT\_VOR'. The description is 'Vorwärtsterminierung'. The following options are checked: Ursprung, Plan, Prognose, Vorwärts, and Isttermine. The following options are unchecked: Rückwärts, Rückw.-Vorw., Vorw.-Rückw., and Nicht anzeigen. The color settings are: Plan > Ursprung: 1 grün; Prognose > Urspr: 2 gelb; Ist > Ursprung: 1 grün; Prognose > Plan: 2 gelb; Ist > Plan: 1 grün.

Navigate to bdf PCC – Process Control Center -> PCC General -> PCC Progress Tracking -> Maintain Time Units

The screenshot shows the SAP navigation tree. The path is: bdf PCC - Process Control Center > PCC Allgemein > PCC Progress Tracking > Zeiteinheiten pflegen. The 'Zeiteinheiten pflegen' node is highlighted in yellow.

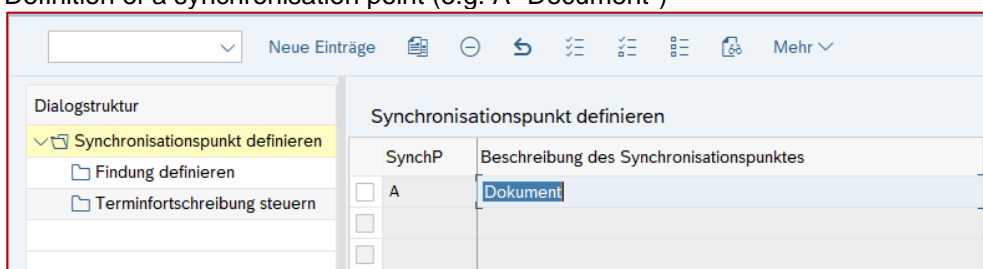
Maintenance of the SAP standard time units to be used in Progress Tracking

The screenshot shows the 'DCC Zeiteinheit' maintenance screen. The 'Maßeinheit' field is set to 'MON'. There are checkboxes for 'MON', 'TAG', and 'WCH'. The 'MON' checkbox is checked.

Navigation to bdf PCC - Process Control Center -> DCC - Document Control Center -> DCC Subsequent Processing Standard Business Transactions -> Define DCC Subsequent Processing

Struktur	
<input type="checkbox"/>	bdF PCC - Process Control Center
<input type="checkbox"/>	> PCC Allgemein
<input type="checkbox"/>	▼ DCC - Document Control Center
<input type="checkbox"/>	DCC Empfängerermittlung
<input type="checkbox"/>	Status definieren
<input type="checkbox"/>	> Dokumentverwaltung
<input type="checkbox"/>	> Externe Nummern
<input type="checkbox"/>	> DCC Berechtigungssteuerung
<input type="checkbox"/>	> DCC Progress Tracking. Obsolet!!! Bitte PCC Progress Tracking nutzen!!!
<input type="checkbox"/>	> DCC Einkaufsanbindung
<input type="checkbox"/>	▼ DCC Folgeverarbeitung für Standard Geschäftsvorfälle
<input type="checkbox"/>	<b>DCC Folgeverarbeitung definieren:</b>

Definition of a synchronisation point (e.g. A "Document")

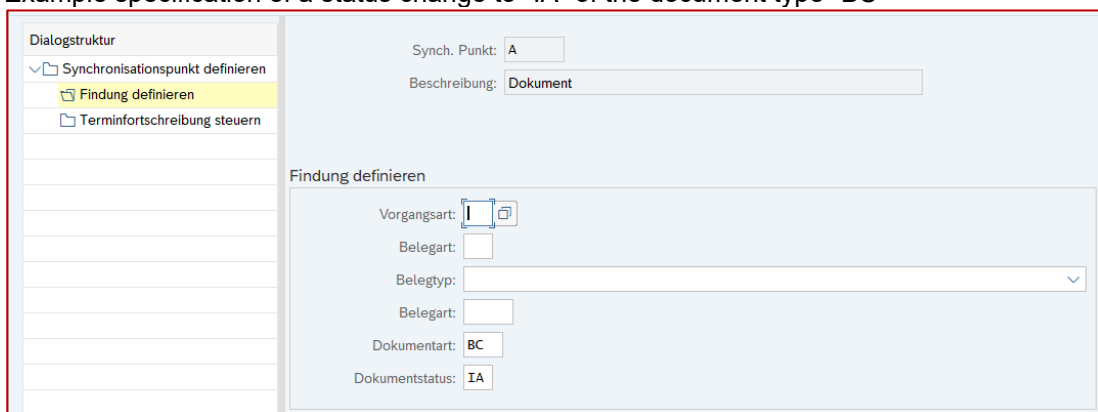


The screenshot shows the 'Synchronisationspunkt definieren' dialog box. On the left, the 'Dialogstruktur' pane shows 'Synchronisationspunkt definieren' selected. The main area contains a table with columns 'SynchP' and 'Beschreibung des Synchronisationspunktes'. The first row has 'A' in the 'SynchP' column and 'Dokument' in the 'Beschreibung' column.

Change to Define determination of the synchronisation point (e.g. A "Document")

Define when a subsequent processing should start.

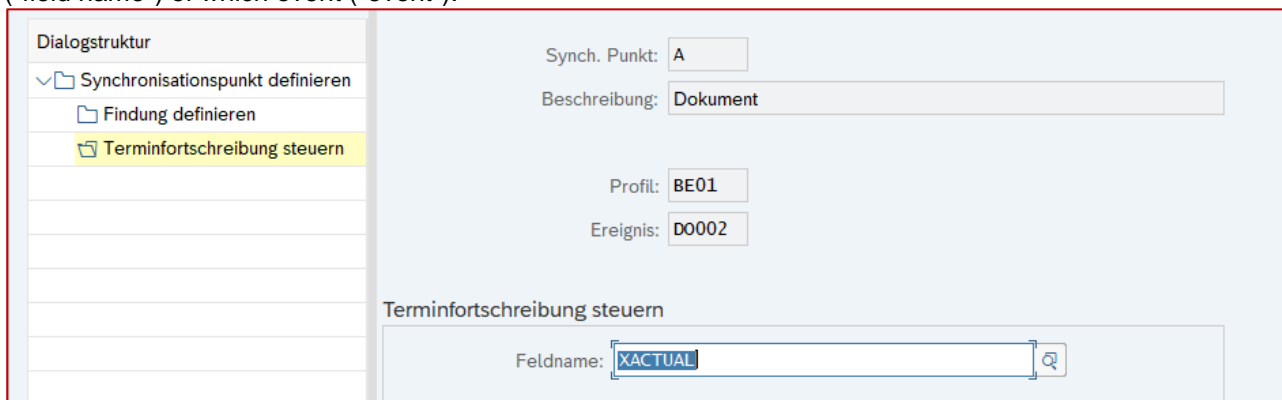
Example specification of a status change to "IA" of the document type "BC"



The screenshot shows the 'Findung definieren' dialog box. The 'Synch. Punkt' is set to 'A' and the 'Beschreibung' is 'Dokument'. Under 'Findung definieren', the 'Vorgangsart' is 'I', 'Belegart' is empty, 'Belegtyp' is a dropdown menu, 'Dokumentart' is 'BC', and 'Dokumentstatus' is 'IA'.

Change to Control schedule update of the synchronisation point (e.g. A "Document")

Definition for which BDF project profile ("profile") should be filled with the current date when determining which field ("field name") of which event ("event").



The screenshot shows the 'Terminfortschreibung steuern' dialog box. The 'Synch. Punkt' is 'A' and the 'Beschreibung' is 'Dokument'. The 'Profil' is 'BE01' and the 'Ereignis' is 'D0002'. Under 'Terminfortschreibung steuern', the 'Feldname' is 'XACTUAL'.

The prerequisite is that the event to be updated exists at an iPPE component variant, which is defined as BDF PVDOC, to which the document info record is linked via DRAD.

#### 4. Development

Customised copy of the template BAdI implementations for the following BAdI:

BAdI DOCUMENT\_MAIN01: /BDFPLM/DCCDOCMAIN01

BAdI DOCUMENT\_MAIN02: /BDFPLM/DCCDOCMAIN02

BAdI DOCUMENT\_STATUS01: /BDFPLM/DCCDOCSTATUS

## Document Control Center – Document Distribution

### 3. Prerequisites

iPPE nodes (transaction OPPE02) and their relationships (transaction OPPE05) for building a PPG structure are already customised (see also Structure Management). The document info records are assigned via DRAD link to the iPPE node from which the documents are to be sent.

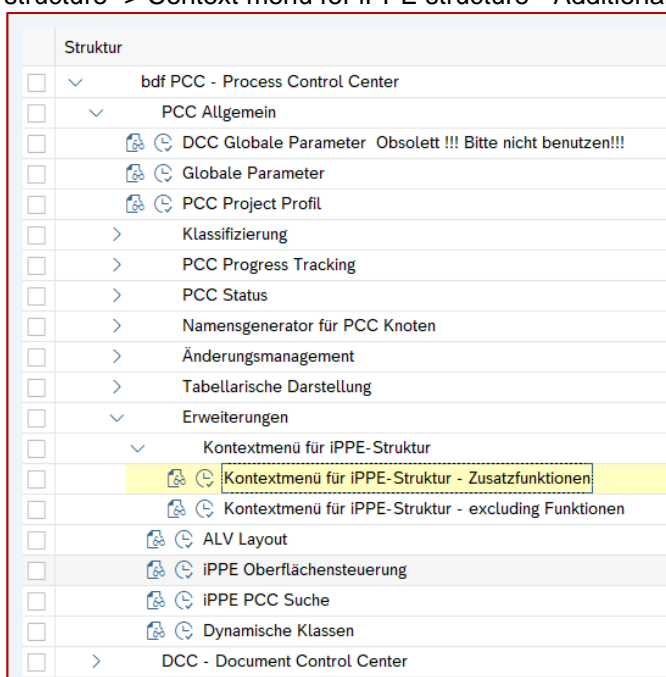
When sending via mail, the general settings for sending emails from the ERP application server must be maintained.

Recipients for optional recipient lists and dispatch types have already been maintained.

### 4. Customizing

Call the transaction /BDFPLM/IMG

Navigate to bdf PCC – Process Control Center -> PCC General -> Enhancements -> Context menu for iPPE structure -> Context menu for iPPE structure - Additional functions



Assign the entry with the following values to the node from which the documents should be sent (e.g. B\_DCC\_DS):

Profil:	DCCFS
Objektyp:	N Knoten
PVS Type:	B_DCC_DS
Priorität:	810
Anzeigemodus:	U Ändern

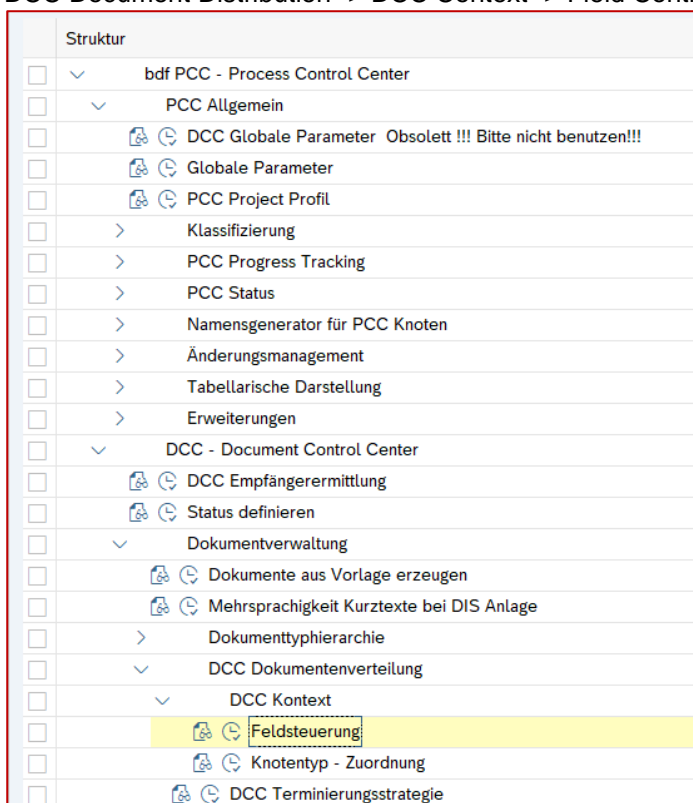
  

Contextmenu for iPPE

Beschreibung:	Dokumente versenden aktueller Knoten
Funktion:	Z_FC_DDO_SINGLE_NODE
Funktionsbaust.:	/BDFPLM/DCC_FC_DDO_SINGLE_NODE
<input type="checkbox"/> Eintrag verbergen	
<input type="checkbox"/> Oberflächensteuerung	
DCC-Param. prüfen:	
Aktivität:	<input type="checkbox"/>

Priority: freely selectable - e.g. 810  
 Display mode: U Change  
 Description: freely selectable - e.g. "Send documents of current nodes"  
 Role: Z\_FC\_DDO\_SINGLE\_NODE  
 Function module: /BDFPLM/DCC\_FC\_DDO\_SINGLE\_NODE

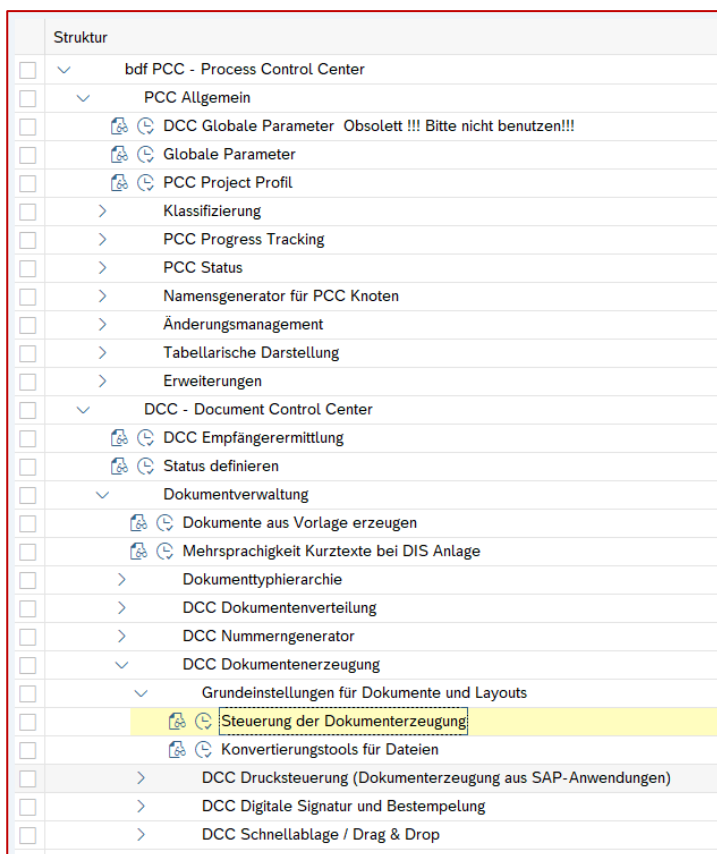
Navigation to bdf PCC - Process Control Center -> DCC - Document Control Center -> Document Management -> DCC Document Distribution -> DCC Context -> Field Control



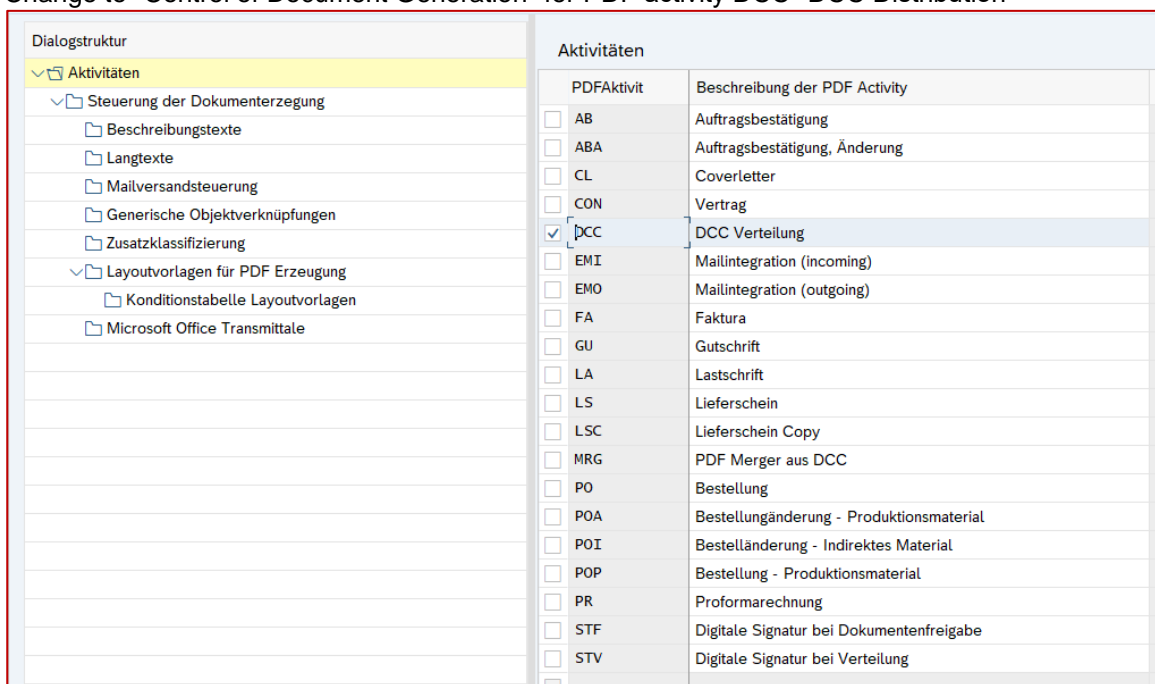
Definition of a context (e.g. "\*\*") and definition of the displayed and changeable fields for this context:

DCC: Kontext			
Kontext	Feldname	Feldstatus	Parameterwert
<input checked="" type="checkbox"/> *	DISP_OFF	* Anzeigen des Feldes	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> *	DISP_OFFFTP	* Anzeigen des Feldes	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> *	DOC_CODE	* Anzeigen des Feldes	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> *	F_CONTROL	* Anzeigen des Feldes	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> *	F_RECEIPT	* Anzeigen des Feldes	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> *	F_SEND_AS	* Anzeigen des Feldes	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> *	F_SYNC	* Anzeigen des Feldes	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> *	REASONBPR	. Kanneingabe	<input checked="" type="checkbox"/> *
<input checked="" type="checkbox"/> *	RETURN_DATE	* Anzeigen des Feldes	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> *	SEND_USER	* Anzeigen des Feldes	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> *	TRANSMITTAL_TXT	. Kanneingabe	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> *	WITH_TRANSMITTAL	. Kanneingabe	<input checked="" type="checkbox"/>

Navigation to bdf PCC - Process Control Center -> DCC - Document Control Center -> Document Management -> DCC Document Generation -> Basic Settings for Documents and Layouts -> Document Generation Control



Change to "Control of Document Generation" for PDF activity DCC "DCC Distribution"



Maintenance of the data for the generation of the transmittals for document distribution.

Specify the document type that should be used for the transmission (e.g. "BC")

Tick the checkboxes

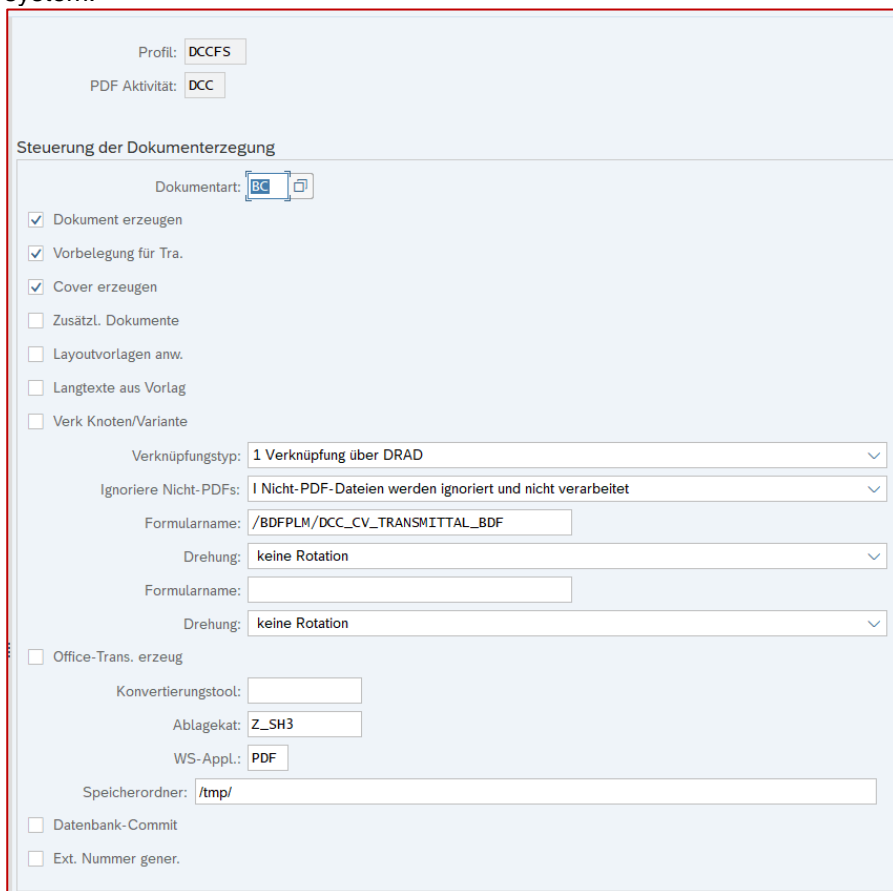
- Generate document
- Presetting for Tra.
- Generate cover

Link type: 1 Link via DRAD

Ignore non-PDFs: I Non-PDF files are ignored and not processed

Form name: /BDFPLM/DCC\_CV\_TRANSMITTAL\_BDF (Customer-specific Smartform can be specified here)

Specification of the storage category, the WS application and the storage folder path which has to be used in this system.



Profil: DCCFS  
PDF Aktivität: DCC

Steuerung der Dokumenterzeugung

Dokumentart: BC

Dokument erzeugen  
 Vorbelegung für Tra.  
 Cover erzeugen  
 Zusätzl. Dokumente  
 Layoutvorlagen anw.  
 Langtexte aus Vorlag  
 Verk Knoten/Variante

Verknüpfungstyp: 1 Verknüpfung über DRAD  
Ignoriere Nicht-PDFs: I Nicht-PDF-Dateien werden ignoriert und nicht verarbeitet  
Formularname: /BDFPLM/DCC\_CV\_TRANSMITTAL\_BDF  
Drehung: keine Rotation  
Formularname:  
Drehung: keine Rotation

Office-Trans. erzeug  
Konvertierungstool:  
Ablagekat: Z\_SH3  
WS-Appl.: PDF  
Speicherordner: /tmp/

Datenbank-Commit  
 Ext. Nummer gener.

Change to "Description Texts" for PDF Activity DCC "DCC Distribution"

Dialogstruktur		Beschreibungstexte			
Profil	PDFAktivit	SP	Beschreibung		
<input type="checkbox"/> DCCFS	DCC	DE	Transmittal		
<input type="checkbox"/>					
<input type="checkbox"/>					

Specify the description text to be used in the desired languages

Change to "Mail dispatch control" for PDF activity DCC "DCC distribution"

Transaction DCC “Dispatch of the Documents from -bdf- DCC”

Document type e.g. BC

Smartform for Coverpage: /BDFPLM/DCC\_CV\_MAIL\_TEXT\_02 (Customer-specific Smartform can be specified here)

Function module for mail subject: /BDFPLM/DCC\_MAIL\_SUBJECT\_DESCR (Customer-specific function module can be specified here)

Optional: Creation of recipient lists for the document dispatch monitor

Transaction CVI1

Assign a name for the recipient list, e.g. "BDF1"

A document must be specified to save the list. This document has no relation to the functionality and is necessary due to SAP standard requirements.

Specification of the recipient names for the recipient list.

Dokument	Art	App	Beschreibung
10000000015	3DP		40000213720_ses_000

Empfängername	Art	Aus	Beschreibung	Anz
Maximilian Boettge			Benutzer	1



## 5. Development

Customised copy of the template BAdI implementations for the following BAdI:

BAdI DOCUMENT\_MAIN01: /BDFPLM/DCCDOCMAIN01

BAdI DOCUMENT\_MAIN02: /BDFPLM/DCCDOCMAIN02

## Document Control Center – Collaboration Integration

### 6. Prerequisites

iPPE nodes (transaction OPPE02) and their relationships (transaction OPPE05) for building a PPG structure are already customised (see also Structure Management).

iPPE nodes (transaction OPPE02) and iPPE component variants for document planning (transaction OPPE03) as well as their relationships (transaction OPPE06) are already customised (see also Structure Management).

SAP document types and BDF document types are customised (see also DCC Document Planning).

The RFC destination for the desired collaboration platform has been created.

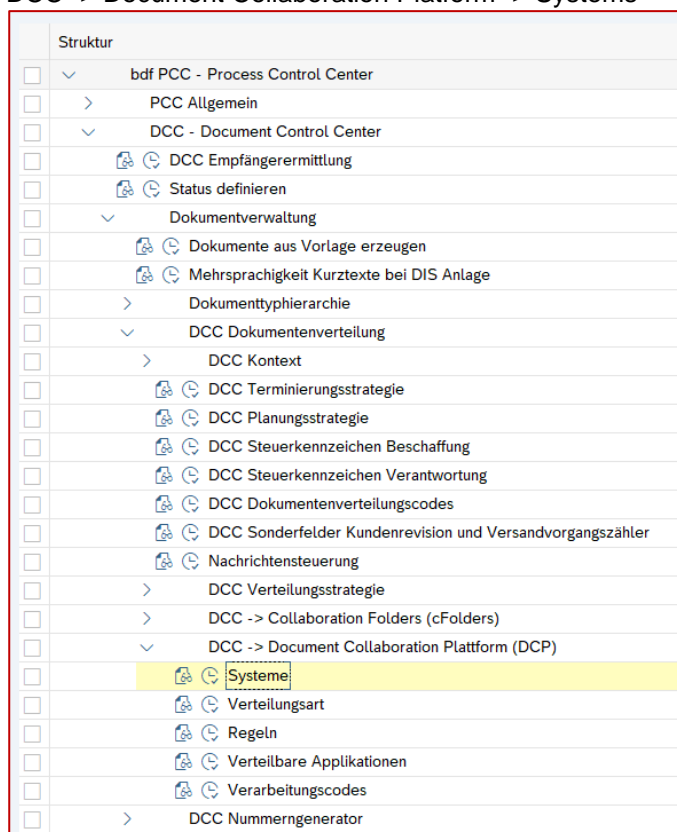
The customising for the desired collaboration platform has been carried out.

The SAP distribution type for the desired collaboration platform has been created.

### 7. Customizing

Call the transaction /BDFPLM/IMG

Navigation to bdf PCC - Process Control Center -> DCC - Document Control Center -> Document Management -> DCC -> Document Collaboration Platform -> Systems



Here the RFC destination of the desired collaboration platform is specified.

For ex. "Collaboration Plattform Purchasing" SH3CLNT600

Document Collaboration Plattform: Systeme	
Plattformname	RFC Verbindung
<input type="checkbox"/> Collaborationsplattform Einkauf	SH3CLNT600

Navigation to bdf PCC - Process Control Center -> DCC - Document Control Center -> Document Management -> DCC -> Document Collaboration Plattform -> Distribution type

Struktur	
<input type="checkbox"/>	▼ bdf PCC - Process Control Center
<input type="checkbox"/>	> PCC Allgemein
<input type="checkbox"/>	▼ DCC - Document Control Center
<input type="checkbox"/>	DCC Empfängerermittlung
<input type="checkbox"/>	Status definieren
<input type="checkbox"/>	▼ Dokumentverwaltung
<input type="checkbox"/>	Dokumente aus Vorlage erzeugen
<input type="checkbox"/>	Mehrsprachigkeit Kurztexte bei DIS Anlage
<input type="checkbox"/>	> Dokumenttyphierarchie
<input type="checkbox"/>	▼ DCC Dokumentenverteilung
<input type="checkbox"/>	> DCC Kontext
<input type="checkbox"/>	DCC Terminierungsstrategie
<input type="checkbox"/>	DCC Planungsstrategie
<input type="checkbox"/>	DCC Steuerkennzeichen Beschaffung
<input type="checkbox"/>	DCC Steuerkennzeichen Verantwortung
<input type="checkbox"/>	DCC Dokumentenverteilungscode
<input type="checkbox"/>	DCC Sonderfelder Kundenrevision und Versandvorgangszähler
<input type="checkbox"/>	Nachrichtensteuerung
<input type="checkbox"/>	> DCC Verteilungsstrategie
<input type="checkbox"/>	> DCC -> Collaboration Folders (cFolders)
<input type="checkbox"/>	▼ DCC -> Document Collaboration Plattform (DCP)
<input type="checkbox"/>	Systeme
<input type="checkbox"/>	Verteilungsart
<input type="checkbox"/>	Regeln
<input type="checkbox"/>	Verteilbare Applikationen
<input type="checkbox"/>	Verarbeitungscodes
<input type="checkbox"/>	> DCC Nummerngenerator

Here the platform is coupled with an SAP distribution type. Optionally, a customised function module can be maintained here to link the collaboration platform.  
 Via the checkbox Ben. Anl. (Create User) you can control whether the users on the platform should be created automatically by sending them to the platform, if they do not exist yet.

Document Collaboration Plattform: Verteilarten			
Art	Plattformname	Ben. anl.	Funktionsbaustein
<input type="checkbox"/>	CP1 Collaborationsplattform Einkauf	<input checked="" type="checkbox"/>	

Navigation to bdf PCC - Process Control Center -> DCC - Document Control Center -> Document Management -> DCC -> Document Collaboration Plattform -> Rules

Struktur	
<input type="checkbox"/>	bdF PCC - Process Control Center
<input type="checkbox"/>	> PCC Allgemein
<input type="checkbox"/>	▼ DCC - Document Control Center
<input type="checkbox"/>	DCC Empfängerermittlung
<input type="checkbox"/>	Status definieren
<input type="checkbox"/>	▼ Dokumentverwaltung
<input type="checkbox"/>	Dokumente aus Vorlage erzeugen
<input type="checkbox"/>	Mehrsprachigkeit Kurztexte bei DIS Anlage
<input type="checkbox"/>	> Dokumenttyphierarchie
<input type="checkbox"/>	▼ DCC Dokumentenverteilung
<input type="checkbox"/>	> DCC Kontext
<input type="checkbox"/>	DCC Terminierungsstrategie
<input type="checkbox"/>	DCC Planungsstrategie
<input type="checkbox"/>	DCC Steuerkennzeichen Beschaffung
<input type="checkbox"/>	DCC Steuerkennzeichen Verantwortung
<input type="checkbox"/>	DCC Dokumentenverteilungscodes
<input type="checkbox"/>	DCC Sonderfelder Kundenrevision und Versandvorgangszähler
<input type="checkbox"/>	Nachrichtensteuerung
<input type="checkbox"/>	> DCC Verteilungsstrategie
<input type="checkbox"/>	> DCC -> Collaboration Folders (cFolders)
<input type="checkbox"/>	▼ DCC -> Document Collaboration Plattform (DCP)
<input type="checkbox"/>	Systeme
<input type="checkbox"/>	Verteilungsart
<input type="checkbox"/>	Regeln
<input type="checkbox"/>	Verteilbare Applikationen
<input type="checkbox"/>	Verarbeitungscodes
<input type="checkbox"/>	> DCC Nummerngenerator

Here, the rules for documents and tasks to be created are defined.

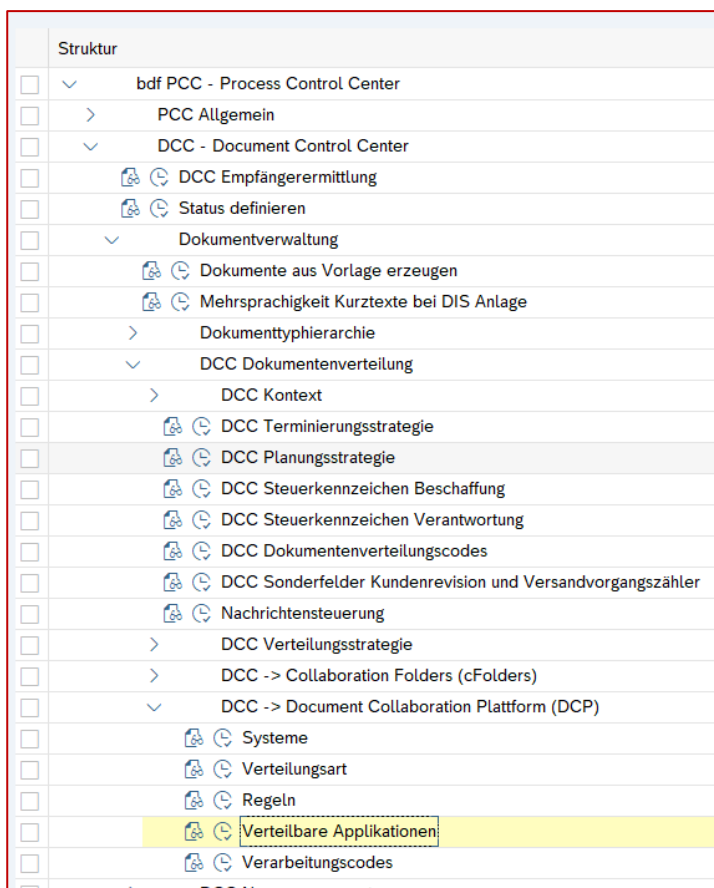
- Type: Distribution type for which the rule has to apply
- Transaction: Distribution type for which the rule has to apply
- Processing code: optional processing code for the rule
- Prio: Prioritisation of the rules
- Location: To which object the rule is applied: Collaboration, Folder, Document
- Parent rule: Dependencies between rules
- Function module: Function module for the rule logic (customised function modules can be stored here)
- First.assignment: Assign creator of the collaboration as well
- Task?: a task should be assigned to the location
- First task: Also assign the creator of the task as a processor
- DIS file: how many DIS (or corresponding objects for a corresponding platform) should be created per file

Document Collaboration Plattform: Regeln										
Art	Vorgang	Verarbeitungscode	Prio	Platz	überg.Reg.	Funktionsbaustein	Erst.zuord	Aufgabe?	Erst.Aufg.	DIS-Datei
<input type="checkbox"/>	CP1 DCC Versenden d...		1	col DCP: Collaboration	▼	/BDFPLM/DCC_DCP_GET_REC_NAME	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	je Datei 1 DCP Dokument
<input type="checkbox"/>	CP1 DCC Versenden d...		2	fol DCP: Ordner	▼	/BDFPLM/DCC_DCP_GET_DDP_ID	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	je Datei 1 DCP Dokument
<input type="checkbox"/>	CP1 DCC Versenden d...		3	doc DCP: Dokument	▼	/BDFPLM/DCC_DCP_GET_DATEI_NAME	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	je Datei 1 DCP Dokument
<input type="checkbox"/>	CP1 PO Versenden de...		1	col DCP: Collaboration	▼	/BDFPLM/DCC_DCP_GET_REC_NAME	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	je Datei 1 DCP Dokument
<input type="checkbox"/>	CP1 PO Versenden de...		2	fol DCP: Ordner	▼	/BDFPLM/DCC_DCP_GET_EK_FOLDER	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	je Datei 1 DCP Dokument
<input type="checkbox"/>	CP1 PO Versenden de...		3	fol DCP: Ordner	▼	/BDFPLM/DCC_DCP_GET_PO_FOLDER	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	je Datei 1 DCP Dokument
<input type="checkbox"/>	CP1 PO Versenden de...		4	fol DCP: Ordner	▼	/BDFPLM/DCC_DCP_GET_PO_NR	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	je Datei 1 DCP Dokument
<input type="checkbox"/>	CP1 PO Versenden de...		5	fol DCP: Ordner	▼	/BDFPLM/DCC_DCP_GET_PO_POS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	je Datei 1 DCP Dokument

Example specification:

Type	Transaction	Processing-code	Prio	Location	transfer Rule	Function module	First assign	Task?	First Task	DIS-File
CP1	DCC Dispatch of the Documents from -bdf-DCC		1	col DCP: Collaboration		/BDFPLM/DCC_DCP_GET_REC_NAME		X		1 DCP Document per file
CP1	DCC Dispatch of the Documents from -bdf-DCC		2	fol DCP: Folder		/BDFPLM/DCC_DCP_GET_DDP_ID		X		1 DCP Document per file
CP1	DCC Dispatch of the Documents from -bdf-DCC		3	doc DCP: Document		/BDFPLM/DCC_DCP_GET_DATEI_NAME		X		1 DCP Document per file
CP1	PO Dispatch of the Documents from Order		1	col DCP: Collaboration		/BDFPLM/DCC_DCP_GET_REC_NAME		X		1 DCP Document per file
CP1	PO Dispatch of the Documents from Order		2	fol DCP: Folder		/BDFPLM/DCC_DCP_GET_EK_FOLDER		X		1 DCP Document per file
CP1	PO Dispatch of the Documents from Order		3	fol DCP: Folder		/BDFPLM/DCC_DCP_GET_PO_FOLDER		X		1 DCP Document per file
CP1	PO Dispatch of the Documents from Order		4	fol DCP: Folder		/BDFPLM/DCC_DCP_GET_PO_NR		X		1 DCP Document per file
CP1	PO Dispatch of the Documents from Order		5	fol DCP: Folder		/BDFPLM/DCC_DCP_GET_PO_PO S		X		1 DCP Document per file

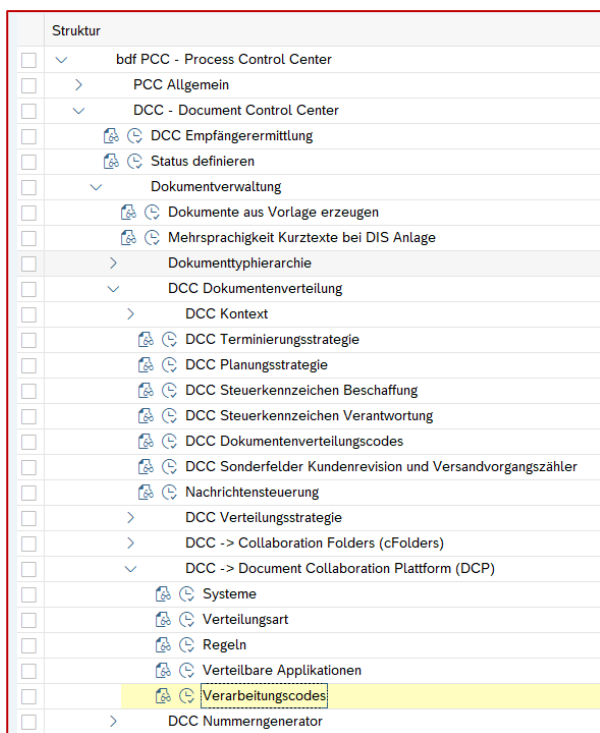
Navigation to bdf PCC - Process Control Center -> DCC - Document Control Center -> Document Management -> DCC -> Document Collaboration Platform -> Distributable applications



It is defined here, which workstation applications are allowed to be distributed.  
 "" (empty) stands for all workstation applications.

Document Collaboration Plattform: Verteilbare Originale	
Art	App
<input type="checkbox"/>	CP1
<input type="checkbox"/>	CP1 PDF
<input type="checkbox"/>	CP1 WRD
<input type="checkbox"/>	

Navigation to bdf PCC - Process Control Center -> DCC - Document Control Center -> Document Management -> DCC -> Document Collaboration Plattform -> Processing codes



Here, the processing codes in the ERP system ("Verarbeitungscode") can be assigned to the different operations ("Vorgang") and object types ("Obj.Typ") of the different distribution types ("Art") and the associated codes or activities or tasks on the collaboration platform ("DCP code").

Document Collaboration Plattform: Verarbeitungscode-mapping					
Art	Vorgang	Obj.Typ	Verarbeitu...	DCP Code	
<input type="checkbox"/>	CP1	DCC Versenden d..	D Dokument	A	ZS
<input type="checkbox"/>	CP1	DCC Versenden d..	D Dokument	B	ZF
<input type="checkbox"/>	CP1	DCC Versenden d..	D Dokument	C	ZI
<input type="checkbox"/>	CP1	DCC Versenden d..	D Dokument	D	ZI
<input type="checkbox"/>	CP1	DCC Versenden d..	D Dokument	E	ZF
<input type="checkbox"/>	CP1	DCC Versenden d..	N Knoten	A	XI
<input type="checkbox"/>	CP1	DCC Versenden d..	N Knoten	B	XF
<input type="checkbox"/>	CP1	DCC Versenden d..	N Knoten	C	XI
<input type="checkbox"/>	CP1	DCC Versenden d..	N Knoten	D	XI
<input type="checkbox"/>	CP1	DCC Versenden d..	N Knoten	E	XF
<input type="checkbox"/>	INT	DCC Versenden d..	D Dokument	A	ZS
<input type="checkbox"/>	INT	DCC Versenden d..	D Dokument	B	ZF
<input type="checkbox"/>	INT	DCC Versenden d..	D Dokument	C	ZI
<input type="checkbox"/>	INT	DCC Versenden d..	D Dokument	D	ZI
<input type="checkbox"/>	INT	DCC Versenden d..	D Dokument	E	ZF
<input type="checkbox"/>	INT	DCC Versenden d..	N Knoten	A	XI
<input type="checkbox"/>	INT	DCC Versenden d..	N Knoten	B	XF
<input type="checkbox"/>	INT	DCC Versenden d..	N Knoten	D	XI
<input type="checkbox"/>	INT	DCC Versenden d..	N Knoten	E	XF
<input type="checkbox"/>	INT	DD Versenden de..	N Knoten	C	XI

## 8. Development

Customised copy of the template BAdI implementations for the following BAdI:

BAdI DOCUMENT\_MAIN01: /BDFPLM/DCCDOCMAIN01

BAdI DOCUMENT\_MAIN02: /BDFPLM/DCCDOCMAIN02

Customised design of the connection to the desired collaboration platform.

## Document Control Center – Archiving

### 1. Prerequisites

SAP document type is customised.

### 2. Customizing

Call the transaction SM30

Call the tables /BDFPLM/DCCARCH0

DCC Archiv Customizing			
Art	Ablagekat	Check by create	Check by read
<input type="checkbox"/> EC		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Here you define for which document types the archiving solution hash-value verification should take place while saving during the check-in process Before and After Checkin (Check by create) in and/or when a document is called up (Check by read).

When using the archiving solution, an entry is generated in the /BDFPLM/DCCARCH1 table for a relevant document with the current hash-key.

The column "Error" then shows a difference between the hash-key in the table and the current hash-key of the file.

### 3. Development

Customised copy of the template BAdI implementations for the following BAdI:

BAdI DOCUMENT\_MAIN01: /BDFPLM/DCCDOCMAIN01

BAdI DOCUMENT\_MAIN02: /BDFPLM/DCCDOCMAIN02

DOCUMENT\_STORAGE01: /BDFPLM/DCCSTORAGE01



## Document Control Center – Procurement Integration

### 1. Prerequisites

iPPE nodes (transaction OPPE02) and their relationships (transaction OPPE05) for creating a PPG structure are already customized (see also Structure Management).

iPPE nodes (transaction OPPE02) and iPPE item variants for document planning (transaction OPPE03) as well as their relationship (transaction OPPE06) are already customized (see also Structure Management).

SAP document types and BDF document categories are customized (see also DCC Document Planning).

### 2. Customizing

Call the transaction OPPE12

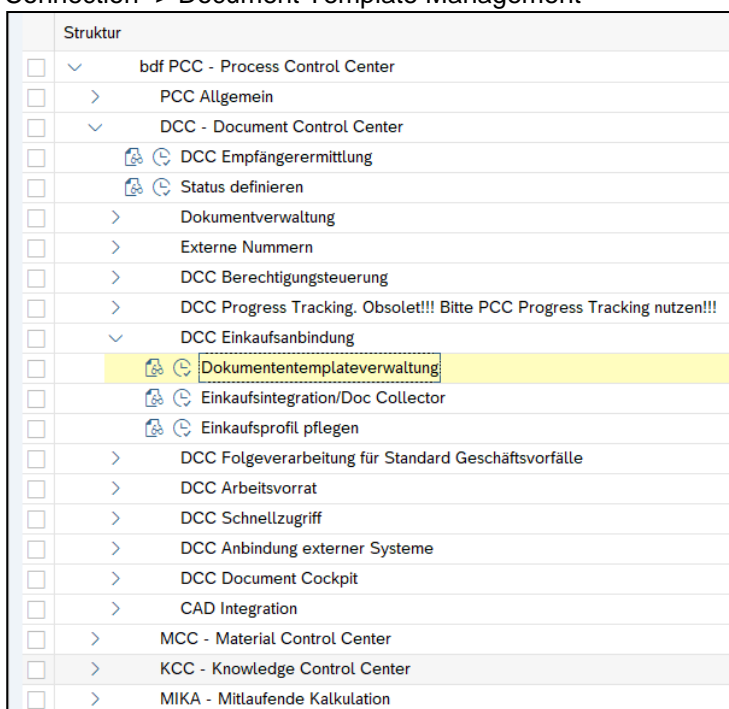
Switch to view "Layout - Definition"

Create a new layout for the iPPE node for which the document planning item is to be created.

Assign the tab "/BDFPLM/DCC\_PVDOC" to this layout.

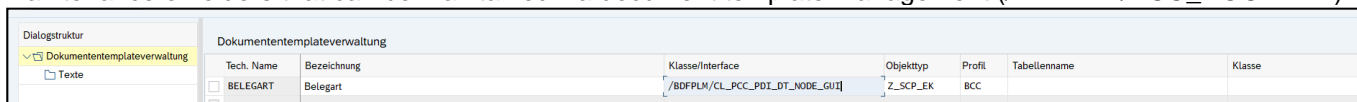
Call transaction /BDFPLM/IMG

Navigation to bdf PCC - Process Control Center -> DCC - Document Control Center -> DCC Purchasing Connection -> Document Template Management



Struktur	
<input type="checkbox"/>	bdF PCC - Process Control Center
<input type="checkbox"/>	> PCC Allgemein
<input type="checkbox"/>	> DCC - Document Control Center
<input type="checkbox"/>	🔗 ⌚ DCC Empfängerermittlung
<input type="checkbox"/>	🔗 ⌚ Status definieren
<input type="checkbox"/>	> Dokumentverwaltung
<input type="checkbox"/>	> Externe Nummern
<input type="checkbox"/>	> DCC Berechtigungsteuerung
<input type="checkbox"/>	> DCC Progress Tracking. Obsolete!!! Bitte PCC Progress Tracking nutzen!!!
<input type="checkbox"/>	> DCC Einkaufsanbindung
<input type="checkbox"/>	🔗 ⌚ Dokumententemplateverwaltung
<input type="checkbox"/>	🔗 ⌚ Einkaufsintegration/Doc Collector
<input type="checkbox"/>	🔗 ⌚ Einkaufsprofil pflegen
<input type="checkbox"/>	> DCC Folgeverarbeitung für Standard Geschäftsvorfälle
<input type="checkbox"/>	> DCC Arbeitsvorrat
<input type="checkbox"/>	> DCC Schnellzugriff
<input type="checkbox"/>	> DCC Anbindung externer Systeme
<input type="checkbox"/>	> DCC Document Cockpit
<input type="checkbox"/>	> CAD Integration
<input type="checkbox"/>	> MCC - Material Control Center
<input type="checkbox"/>	> KCC - Knowledge Control Center
<input type="checkbox"/>	> MIKA - Mittlaufende Kalkulation

Maintenance of folders that can be maintained via document template management (/BDFPLM/DCC\_DOCTEMP)

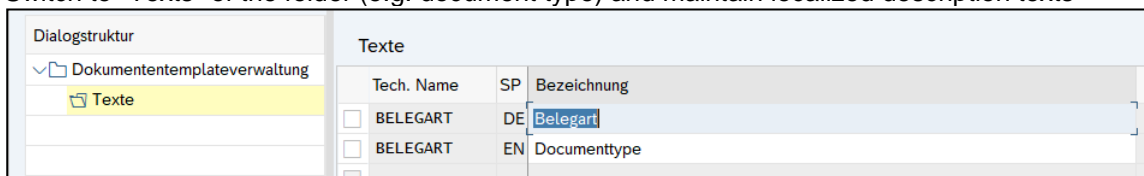


Dialogstruktur		Dokumententemplateverwaltung					
	Tech. Name	Bezeichnung	Klasse/Interface	Objekttyp	Profil	Tabellenname	Klasse
<input type="checkbox"/>	BELEGART	Belegart	/BDFPLM/CL_PCC_PDI_DT_NODE_GUI	Z_SCP_EK	BCC		

### Example specification

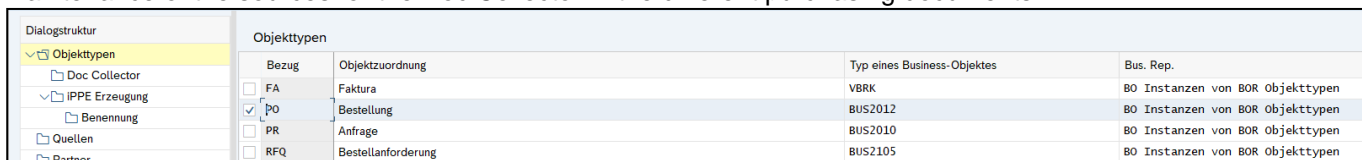
- Technical name: BELEGART
- Description: Document type
- Class/interface: /BDFPLM/CL\_PCC\_PDI\_DT\_NODE\_GUI (a customer-specific class can be defined here)
- Object type: Z\_SCP\_EK (iPPE node type of the folder)
- Profile: BCC (BDF project profile for the iPPE node of the folder)

Switch to "Texts" of the folder (e.g. document type) and maintain localized description texts



Navigation to bdf PCC - Process Control Center -> DCC - Document Control Center -> DCC Purchasing Integration -> Purchasing Integration/Doc Collector

Maintenance of the sources for the Doc Collector in the different purchasing documents



Objekttypen	Bezug	Objektzuordnung	Typ eines Business-Objektes	Bus. Rep.
<input type="checkbox"/> FA		Faktura	VBRK	BO Instanzen von BOR Objekttypen
<input checked="" type="checkbox"/> PO		Bestellung	BUS2012	BO Instanzen von BOR Objekttypen
<input type="checkbox"/> PR		Anfrage	BUS2010	BO Instanzen von BOR Objekttypen
<input type="checkbox"/> RFQ		Bestellanforderung	BUS2105	BO Instanzen von BOR Objekttypen

Order:

Example specification:

- reference: PO
- Type of a business object: BUS2012
- Bus-Rep: BO Instanz von BOR Objekttypen
- process: Sending documents from order
- context: BCCPO
- FB Data determination BAPI: /BDFPLM/PCC\_PDI\_GET\_BUS2012 (A customer-specific function module can be stored here)
- FB Data determination puffer: /BDFPLM/PCC\_PDI\_CONV\_BUS2012 (A customer-specific function module can be stored here)
- FB generation iPPE Structur: /BDFPLM/PCC\_PDI\_GEN\_STR\_BU2012 (A customer-specific function module can be stored here)
- FB Determination iPPE structur: /BDFPLM/PCC\_PDI\_GET\_STR\_BU2012 (A customer-specific function module can be stored here)

Order:

Example embossing:

- Reference: PO
- Type of business object. BUS2012
- Bus-Rep: BO instance of BOR object types.
- Process: PO send documents from purchase order
- Context: BCCPO
- FB Data determination BAPI: /BDFPLM/PCC\_PDI\_GET\_BUS2012 (a customer-specific function module can be stored here)
- FB Data determination buffer: /BDFPLM/PCC\_PDI\_CONV\_BUS2012 (a customer-specific function module can be stored here)
- FB Generation iPPE structure: /BDFPLM/PCC\_PDI\_GEN\_STR\_BU2012 (a customer-specific function block can be stored here)
- FB Determination iPPE structure: /BDFPLM/PCC\_PDI\_GET\_STR\_BU2012 (a customer-specific function module can be stored here)

Request:

Sample expression:

- Reference: RFQ
- Object assignment: RFQ
- Type of business object. BUS2010
- Bus-Rep: BO instance of BOR object types

- Operation: PO send documents from purchase order
- Context: BCCPO
- FB Data determination BAPI: /BDFPLM/PCC\_PDI\_GET\_BUS2010 (a customer-specific function module can be stored here)
- FB Data determination buffer: -
- FB Generation iPPE Structure: -
- FB Determination iPPE structure: -

Purchase requisition:

Example specification:

- Reference: PR
- Object assignment: Purchase requisition
- Business object type. BUS2105
- Bus-Rep: BO instance of BOR object types
- Operation: PO send documents from purchase order
- Context: BCCPO
- FB Data determination BAPI: /BDFPLM/PCC\_PDI\_GET\_BUS2105 (a customer-specific function module can be stored here)
- FB Data determination buffer: -
- FB Generation iPPE structure: -
- FB Determination iPPE structure: -

Switch to "Doc Collector" for reference PO "Purchase Order"

Dialogstruktur		Doc Collector			
Objekttypen		Bezug	Quelle	Richtung	Ebene
Doc Collector		<input type="checkbox"/> PO	HEAD_GOS	01 ausgehend	04_BEST_X_01
iPPE Erzeugung		<input type="checkbox"/> PO	HEAD_SUB_TYPE_01	02 eingehend	04_BEST_X_02
Benennung		<input type="checkbox"/> PO	HEAD_SUB_TYPE_02	02 eingehend	04_BEST_X_02
Quellen		<input type="checkbox"/> PO	OUT_POS_PS_TOS_PVDOC	01 ausgehend	05_BEST_X_POS_01
Partner		<input type="checkbox"/> PO	POS_DRAD	01 ausgehend	05_BEST_X_POS_01
		<input type="checkbox"/> PO	POS_MATERIAL_DRAD	01 ausgehend	05_BEST_X_POS_01

Maintenance of the desired sources from which documents are to be determined

Sources:

- HEAD\_GOS: Document info records that are linked to the header of the purchase order via GOS (generic object service).
- HEAD\_SUB\_TYPE\_01: Document info records linked to a folder, which is determined via the document category of the purchase order (see document template management)
- HEAD\_SUB\_TYPE\_02: Document info records are linked to a folder that is determined via the document type of the purchase order (see Document Template Management)
- OUT\_POS\_PS\_TOS\_PVDOC: Document info records that are determined via PS Integration from a PPG product structure (TOS, Technical Order Structure) at a material planning item.
- POS\_DRAD: Document info records that are linked to the purchase order item by DRAD.
- POS\_MATERIAL\_DRAD: Document info records that are linked to the material master of the purchase order item by DRAD.

Direction:

- 01 Outgoing (ERP -> supplier)
- 02 Incoming (supplier -> ERP)

Level:

Level in the vendor structure that is automatically created by shipping via desired message type.

Example specification

Bezug	Quelle	Richtung	Ebene
PO	HEAD_GOS	01 ausgehend	04_BEST_X_01
PO	HEAD_SUB_TYPE_01	02 eingehend	04_BEST_X_02
PO	HEAD_SUB_TYPE_02	02 eingehend	04_BEST_X_02
PO	OUT_POS_PS_TOS_PVDOC	01 ausgehend	05_BEST_X_POS_01
PO	POS_DRAD	01 ausgehend	05_BEST_X_POS_01
PO	POS_MATERIAL_DRAD	01 ausgehend	05_BEST_X_POS_01

Since BANFes are not sent, the customizing of the levels is not necessary here.  
Change to "iPPE generation" for reference PO "Purchase order"

Here you define how the supplier structure for the purchase order is to be generated. Supplier structure to be generated for the purchase order.

- Reference: Reference to purchase order, inquiry or BANF.
- Level: Levels that the supplier structure is to map.
- Text: Description text to be used when generating the supplier structure for the levels.
- Prio: Level character
- Node type: iPPE node type to be used for the levels
- Variant type: iPPE position variant type to be used for the levels
- Partner node: Checkbox which level represents the partner node (partner = supplier).
- Object node: Checkbox which level represents the object node (object = order)
- Field name: Field names to be used for the placeholders "&1" in the text

#### Example specification

Bezug	Ebene	Text	Prio	Knotentyp	Variantentyp	Partnerknoten	Objektknoten	Feldname
PO	01_LIEF	Lieferant &1	1	PAR_HD		X		PARTNER
PO	02_BEST	Bestellungen	2	PAR_ST				
PO	03_BEST_X	Bestellung &1	3	PAR_ST			X	OBJ_KEY
PO	04_BEST_X_01	Ausgang	4	PAR_ST				
PO	04_BEST_X_02	Eingang	5	PAR_ST	B_DCC_DP			
PO	04_BEST_X_POS	Position &1	6	PAR_ST				ITEM_KEY
PO	05_BEST_X_POS_01	Ausgang	7	PAR_ST				
PO	05_BEST_X_POS_02	Eingang	8	PAR_ST	B_DCC_DP			

#### Switch to "Sources" for PO "Order" reference

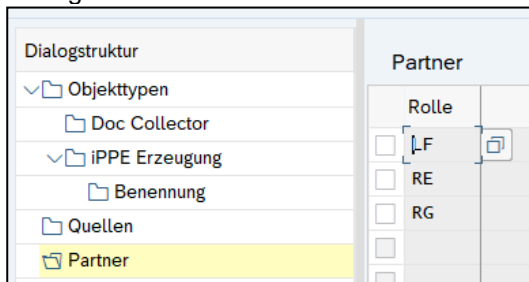
Quellen	
Quelle	Quelle
<input type="checkbox"/> HEAD_GOS	Dokumente an Kopf (GOS)
<input type="checkbox"/> HEAD_SUB_TYPE_01	Dokumente zu Belegtyp
<input type="checkbox"/> HEAD_SUB_TYPE_02	Dokumente zu Belegart
<input type="checkbox"/> OUT_POS_PS_TOS_PVDOC	Ausgehende Dokumente an TOS
<input type="checkbox"/> POS_DRAD	Dokumente an Position
<input type="checkbox"/> POS_MATERIAL_DRAD	Dokumente an Material an Position

The function modules for determining the sources are defined here (customer-specific function modules can be stored here).

- HEAD\_GOS Documents to header (GOS): /BDFPLM/PCC\_PDI\_GET\_H\_GOS\_DOCS
- HEAD\_SUB\_TYPE\_01 Documents to document category: /BDFPLM/PCC\_PDI\_GET\_H\_SUB\_T\_01
- HEAD\_SUB\_TYPE\_02 Documents for document type: /BDFPLM/PCC\_PDI\_GET\_H\_SUB\_T\_02
- POS\_DRAD Documents to position: /BDFPLM/PCC\_PDI\_GET\_P\_DRAD

- POS\_MATERIAL\_DRAD Documents to material at position: /BDFPLM/PCC\_PDI\_GET\_P\_MAT\_DRAD

Change to "Partner" for PO "Order" reference



The relevant partner functions are defined here.

Example specification

LF "Supplier"

### 3. Development

Customized copy of the template BAdI implementations for the following BAdI:

BAdI DOCUMENT\_MAIN01: /BDFPLM/DCCDOCMAIN01

BAdI DOCUMENT\_MAIN02: /BDFPLM/DCCDOCMAIN02

Customer-specific integration of the "DocCollector" tab in the purchase order.

Customer-specific integration of the vendor structure generation in the desired output type.

## Scheduling – Event Scenarios

### 4. Prerequisites

none

### 5. Customizing

Call the transaction /BDFPLM/IMG

Navigation to bdf PCC – Process Control Center -> PCC General -> Global Parameter

Struktur	
<input type="checkbox"/>	bdP PCC - Process Control Center
<input type="checkbox"/>	PCC Allgemein
<input type="checkbox"/>	DCC Globale Parameter Obsolett !!! Bitte nicht benutzen!!!
<input type="checkbox"/>	Globale Parameter
<input type="checkbox"/>	PCC Project Profil
<input type="checkbox"/>	> Klassifizierung
<input type="checkbox"/>	PCC Progress Tracking
<input type="checkbox"/>	PCC Progress Tracking
<input type="checkbox"/>	Zeiteinheiten pflegen
<input type="checkbox"/>	> PCC Status
<input type="checkbox"/>	> Namensgenerator für PCC Knoten

Maintenance of the desired name of the expediting object for

- iPPE node in parameter "EXP\_OBJECT\_NODE" e.g. "Y1"
- Document planning items in parameter "EXP\_OBJECT\_PVDOC" e.g. „Y2“
- Material planning items in parameter "EXP\_OBJECT\_PVMAT" e.g. „Y3“

Proces Control Center Globale Parameter	
Parametername	Parameterwert
<input checked="" type="checkbox"/> EXP_OBJECT_NODE	Y1
<input checked="" type="checkbox"/> EXP_OBJECT_PVDOC	Y2
<input checked="" type="checkbox"/> EXP_OBJECT_PVMAT	Y3

Navigation to bdf PCC – Process Control Center -> PCC General -> PCC Progress Tracking -> PCC Progress Tracking

Maintenance of the expediting object for iPPE node, e.g. "Y1"

Description freely selectable, e.g. "iPPE node"

Object structure: /BDFPLM/DCCXPD\_INPUT

Structure Subobject: /BDFPLM/PCCTXDOC

Programme name: /BDFPLM/EXPD

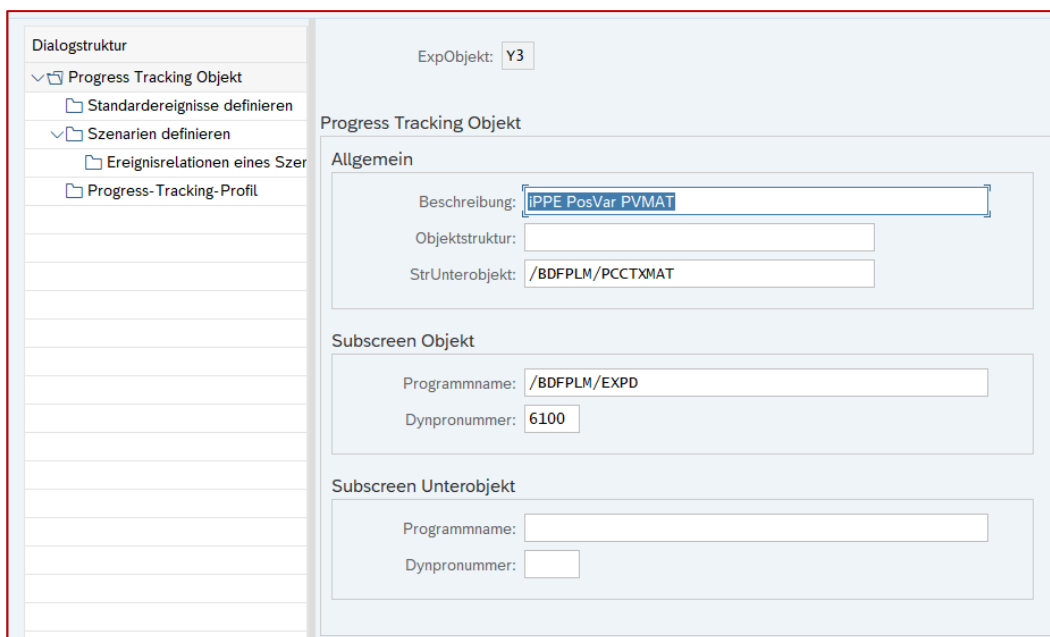
Screen number: 6100

<p>Dialogstruktur</p> <ul style="list-style-type: none"> <li>Progress Tracking Objekt <ul style="list-style-type: none"> <li>Standardereignisse definieren</li> <li>Szenarien definieren <ul style="list-style-type: none"> <li>Ereignisrelationen eines Szenarios</li> </ul> </li> <li>Progress-Tracking-Profil</li> </ul> </li> </ul>	<p>ExpObjekt: <input type="text" value="Y1"/></p> <p>Progress Tracking Objekt</p> <p>Allgemein</p> <p>Beschreibung: <input type="text" value="iPPE Knoten"/></p> <p>Objektstruktur: <input type="text" value="/BDFPLM/DCCXPD_INPUT"/></p> <p>StrUnterojekt: <input type="text" value="/BDFPLM/PCCTXDOC"/></p> <p>Subscreen Objekt</p> <p>Programmname: <input type="text" value="/BDFPLM/EXPD"/></p> <p>Dynpronummer: <input type="text" value="6100"/></p> <p>Subscreen Unterojekt</p> <p>Programmname: <input type="text"/></p> <p>Dynpronummer: <input type="text"/></p>
---	---

Maintenance of the expediting object for document planning items, e.g. „Y2“  
Description freely selectable, e.g. “iPPE PosVar PVDOC”  
Structure Subobject: /BDFPLM/PCCTXDOC  
Programme name: /BDFPLM/EXPD  
Screen number: 6100

<p>Dialogstruktur</p> <ul style="list-style-type: none"> <li>Progress Tracking Objekt <ul style="list-style-type: none"> <li>Standardereignisse definieren</li> <li>Szenarien definieren <ul style="list-style-type: none"> <li>Ereignisrelationen eines Szenarios</li> </ul> </li> <li>Progress-Tracking-Profil</li> </ul> </li> </ul>	<p>ExpObjekt: <input type="text" value="Y2"/></p> <p>Progress Tracking Objekt</p> <p>Allgemein</p> <p>Beschreibung: <input type="text" value="iPPE PosVar PVDOC"/></p> <p>Objektstruktur: <input type="text"/></p> <p>StrUnterojekt: <input type="text" value="/BDFPLM/PCCTXDOC"/></p> <p>Subscreen Objekt</p> <p>Programmname: <input type="text" value="/BDFPLM/EXPD"/></p> <p>Dynpronummer: <input type="text" value="6100"/></p> <p>Subscreen Unterojekt</p> <p>Programmname: <input type="text"/></p> <p>Dynpronummer: <input type="text"/></p>
---	--

Maintenance of the expediting object for document planning items, e.g. „Y3“  
Description freely selectable, e.g. “iPPE PosVar PVMAT”  
Structure Subobject: /BDFPLM/PCCTXMAT  
Programme name: /BDFPLM/EXPD  
Screen number: 6100



Change to "Define standard events" of the expediting object (e.g. „Y2“)

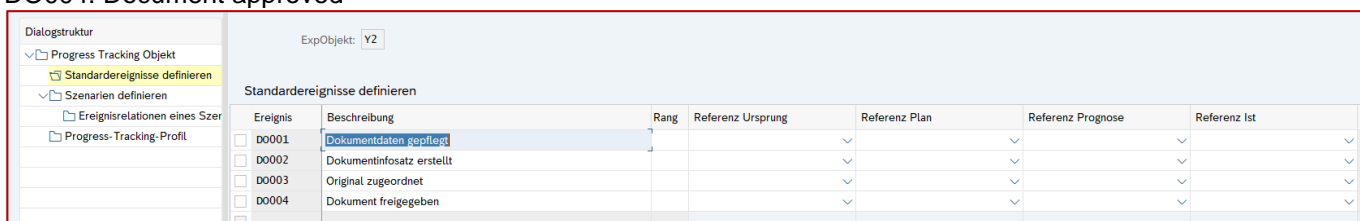
Example specification:

DO001: Document data maintained

DO002: Document info record generated

DO003: Original assigned

DO004: Document approved

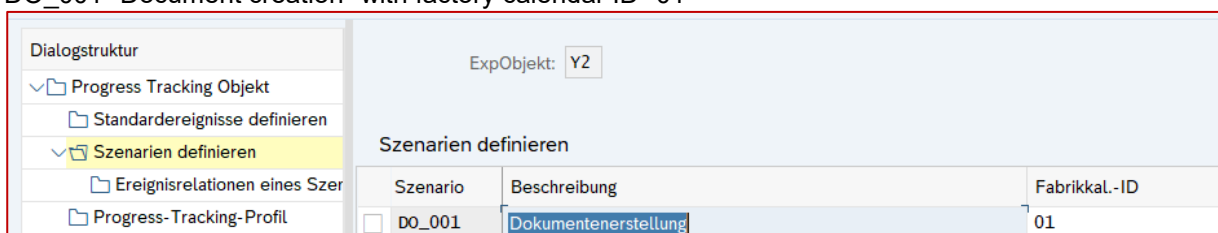


Ereignis	Beschreibung	Rang	Referenz Ursprung	Referenz Plan	Referenz Prognose	Referenz Ist
<input type="checkbox"/> DO001	Dokumentdaten gepflegt					
<input type="checkbox"/> DO002	Dokumentinfosatz erstellt					
<input type="checkbox"/> DO003	Original zugeordnet					
<input type="checkbox"/> DO004	Dokument freigegeben					

Change to "Define scenarios" of the expediting object (e.g. „Y2“)

Example specification:

DO\_001 "Document creation" with factory calendar ID "01"



Szenario	Beschreibung	Fabrikkal.-ID
<input type="checkbox"/> DO_001	Dokumentenerstellung	01

Change to "Maintain event relations of a scenario" of the expediting object (e.g. „Y2“ and the scenario (e.g. „DO\_001“)

Maintenance of the sequence of events (forward and backward), the event pairs relevant for forward and backward scheduling (checkboxes "Forward" and "Backward"), the time interval between two events in days ("Time interval") as well as the starting points for forward scheduling ("Forward.AT") and for backward scheduling ("Backward.AT")



Dialogstruktur

- Progress Tracking Objekt
  - Standardereignisse definieren
  - Szenarien definieren
    - Ereignisrelationen eines Szenarios pflegen**
    - Progress-Tracking-Profil

ExpObjekt: Y2  
Szenario: DO\_001

Ereignisrelationen eines Szenarios pflegen

	Voraus	Nachf.	Vorwärts	Rückwärts	Zeitabstand	Referenz	Voraus.AT	Nachf.AT
<input type="checkbox"/>	DO001	DO002	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	DO002	DO003	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	DO003	DO004	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Change to "Progress Tracking Profil" of the expediting object (e.g. „Y2“)  
Maintenance of the Progress Tracking Profile.  
Example specification for forward scheduling:

Dialogstruktur

- Progress Tracking Objekt
  - Standardereignisse definieren
  - Szenarien definieren
    - Ereignisrelationen eines Szenarios pflegen
    - Progress-Tracking-Profil**

ExpObjekt: Y2  
Profil: PT\_VOR

Progress-Tracking-Profil

Beschreibung:

Ursprung  
 Plan  
 Prognose  
 Rückwärts  
 Vorwärts  
 Rückw.-Vorw.  
 Vorw.-Rückw.  
 Nicht anzeigen

Plan > Ursprung: 1 grün  
Prognose > Urspr: 2 gelb  
Ist > Ursprung: 1 grün  
Prognose > Plan: 2 gelb  
Ist > Plan: 1 grün

Ursprung  
 Plan  
 Prognose  
 Isttermine

Navigation to bdf PCC – Process Control Center -> PCC General -> PCC Progress Tracking -> Maintain Time Units

Struktur

- bdf PCC - Process Control Center
  - PCC Allgemein
    - DCC Globale Parameter Obsolett !!! Bitte nicht benutzen!!!
    - Globale Parameter
    - PCC Project Profil
    - Klassifizierung
    - PCC Progress Tracking
      - PCC Progress Tracking
      - Zeiteinheiten pflegen**
      - PCC Status
      - Namensgenerator für PCC Knoten
      - Änderungsmanagement
      - Tabellarische Darstellung
      - Erweiterungen

Maintenance of the SAP standard time units to be used in Progress Tracking

DCC Zeiteinheit	
Maßeinheit	
<input type="checkbox"/> MON	<input type="checkbox"/>
<input type="checkbox"/> TAG	
<input type="checkbox"/> WCH	
<input type="checkbox"/>	

6. Development

none

## Scheduling - Event Inheritance

### 1. Prerequisites

iPPE nodes (transaction OPPE02) and their relationships (transaction OPPE05) for building a PPG structure are already customised (see also Structure Management).

iPPE nodes (transaction OPPE02) and iPPE component variants for document planning (transaction OPPE03) as well as their relationships (transaction OPPE06) are already customised (see also Structure Management).

The customising for the expediting objects has been carried out (see Scheduling - Event Scenarios).

### 9. Customizing

Call the transaction OPPE12

Change to view "Layout - Definition"

Create a new layout for the iPPE node to which the tabs for the Progress Tracking should be assigned.

Assigning the tabs (depending on the use case)

- /BDFPLM/DCC\_PN\_HDR: Progress Tracking Data for header node
- /BDFPLM/DCC\_PN: Progress Tracking Data for structure node
- /BDFPLM/DCC\_PPEDATE: Assignment of Progress Tracking Data to Document planning items below this node

to this layout.

Create a new layout for the component variants to which the tabs for the Progress Tracking should be assigned.

Assign the tab /BDFPLM/DCC\_SCHEDULE to this layout.

### 10. Development

none

## Scheduling - Structure Event Scheduling

### 1. Prerequisites

iPPE nodes (transaction OPPE02) and their relationships (transaction OPPE05) for building a PPG structure are already customised (see also Structure Management).

iPPE nodes (transaction OPPE02) and iPPE component variants for document planning (transaction OPPE03) as well as their relationships (transaction OPPE06) are already customised (see also Structure Management).

The customising for the expediting objects has been carried out (see Scheduling - Event Scenarios).

### 2. Customizing

Call the transaction OPPE12

Change to view "Layout - Definition"

Create a new layout for the iPPE node to which the tabs for the Progress Tracking should be assigned.

Assigning the tabs (depending on the use case)

- /BDFPLM/DCC\_PN\_HDR: Progress Tracking Data for header node
- /BDFPLM/DCC\_PN: Progress Tracking Data for structure node
- /BDFPLM/DCC\_PPEDATE: Assignment of Progress Tracking Data to Document planning items below this node

to this layout.

Create a new layout for the component variants to which the tabs for the Progress Tracking should be assigned.

Assign the tab /BDFPLM/DCC\_SCHEDULE to this layout.

### 3. Development

none

## Scheduling – Structure Event Confirmation

### 1. Prerequisites

iPPE nodes (transaction OPPE02) and their relationships (transaction OPPE05) for building a PPG structure are already customised (see also Structure Management).

iPPE nodes (transaction OPPE02) and iPPE component variants for document planning (transaction OPPE03) as well as their relationships (transaction OPPE06) are already customised (see also Structure Management).

The expediting objects are customised (see Scheduling - Event Scenarios).

SAP document type is customised.

### 2. Customizing

Call the transaction OPPE12

Change to view "Layout - Definition"

Create a new layout for the iPPE node to which the tabs for the Progress Tracking should be assigned.

Assigning the tabs (depending on the use case)

- /BDFPLM/DCC\_PN\_HDR: Progress Tracking Data for header node
- /BDFPLM/DCC\_PN: Progress Tracking Data for structure node
- /BDFPLM/DCC\_PPEDATE: Assignment of Progress Tracking Data to Document planning items below this node

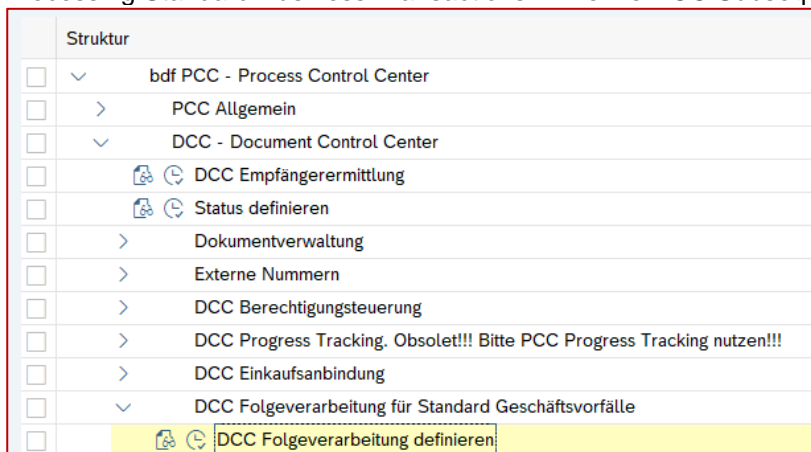
to this layout.

Create a new layout for the component variants to which the tabs for the Progress Tracking should be assigned.

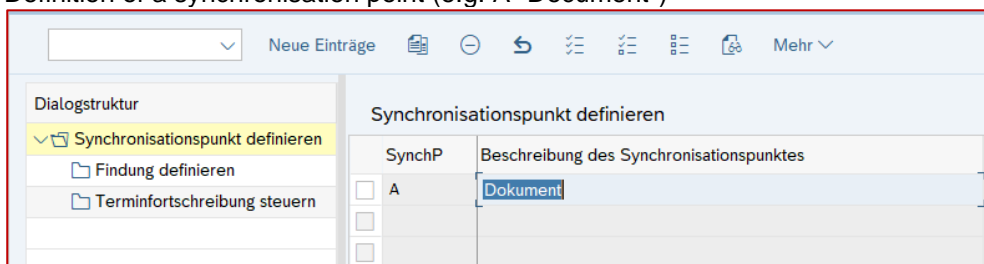
Assign the tab "/BDFPLM/DCC\_SCHEDULE" to this layout.

Call the transaction /BDFPLM/IMG

Navigation to bdf PCC - Process Control Center -> DCC - Document Control Center -> DCC Subsequent Processing Standard Business Transactions -> Define DCC Subsequent Processing



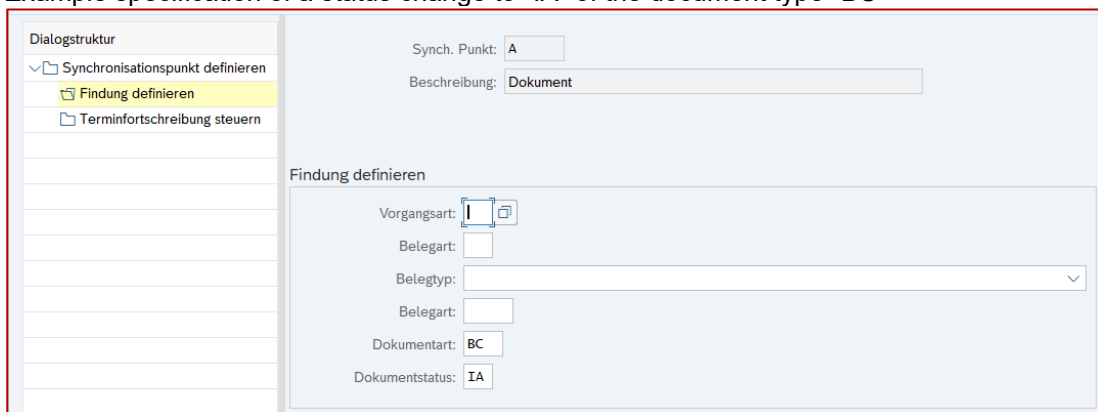
Definition of a synchronisation point (e.g. A "Document")



Change to Define determination of the synchronisation point (e.g. A "Document")

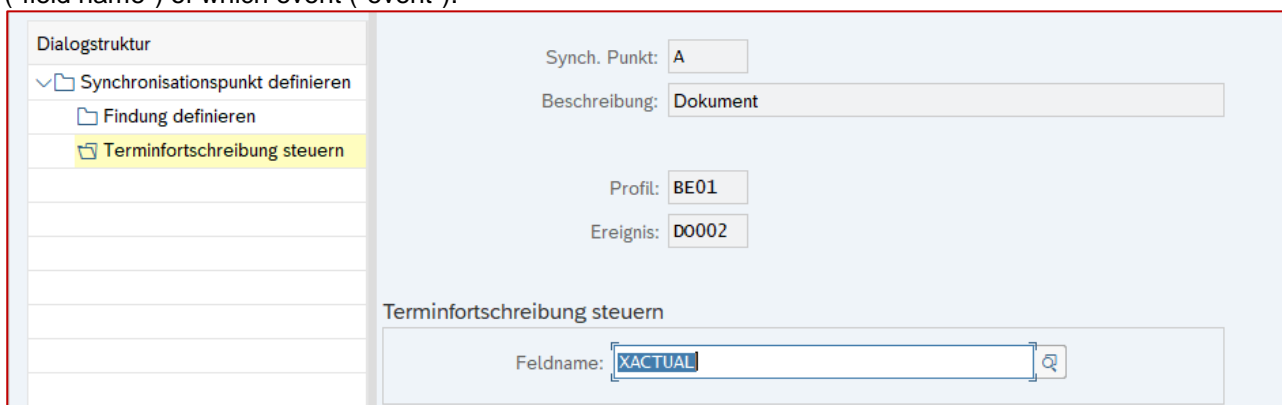
Define when a subsequent processing should start.

Example specification of a status change to "IA" of the document type "BC"



Change to Control schedule update of the synchronisation point (e.g. A "Document")

Definition for which BDF project profile ("profile") should be filled with the current date when determining which field ("field name") of which event ("event").



The prerequisite is that the event to be updated exists at an iPPE component variant, which is defined as BDF PVDOC, to which the document info record is linked via DRAD.

### 3. Development

Customised copy of the template BAdI implementations for the following BAdI:

BAdI DOCUMENT\_MAIN01: /BDFPLM/DCCDOCMAIN01

BAdI DOCUMENT\_MAIN02: /BDFPLM/DCCDOCMAIN02

BAdI DOCUMENT\_STATUS01: /BDFPLM/DCCDOCSTATUS

## Scheduling – Progress Tracking Cockpit

### 1. Prerequisites

none

### 2. Customizing

After activation of the delivered BC Set, there is no mandatory customising to be carried out for transaction /BDFPLM/PCC\_PTM01.

Optional Customizing: Call the transaction /BDFPLM/IMG

Navigation to bdf PCC – Process Control Center -> PCC General -> Enhancements -> ALV Layout

Struktur	
<input type="checkbox"/>	▼ bdf PCC - Process Control Center
<input type="checkbox"/>	▼ PCC Allgemein
<input type="checkbox"/>	DCC Globale Parameter Obsolett !!! Bitte nicht benutzen!!!
<input type="checkbox"/>	Globale Parameter
<input type="checkbox"/>	PCC Project Profil
<input type="checkbox"/>	> Klassifizierung
<input type="checkbox"/>	> PCC Progress Tracking
<input type="checkbox"/>	> PCC Status
<input type="checkbox"/>	> Namensgenerator für PCC Knoten
<input type="checkbox"/>	> Änderungsmanagement
<input type="checkbox"/>	> Tabellarische Darstellung
<input type="checkbox"/>	▼ Erweiterungen
<input type="checkbox"/>	> Kontextmenü für iPPE-Struktur
<input type="checkbox"/>	ALV Layout
<input type="checkbox"/>	iPPE Oberflächensteuerung
<input type="checkbox"/>	iPPE PCC Suche
<input type="checkbox"/>	Dynamische Klassen
<input type="checkbox"/>	> DCC - Document Control Center
<input type="checkbox"/>	> MCC - Material Control Center
<input type="checkbox"/>	> KCC - Knowledge Control Center
<input type="checkbox"/>	> MIKA - Mitlaufende Kalkulation

The ALV Layouts PCC\_PT\_MONITOR\_EVENTS, PCC\_PT\_MONITOR\_OBJECTS and PCC\_PT\_MONITOR\_SELECTION can be used to include customised fields in the individual screens of the Progress Tracking Monitor.

DCC Layoutsname	
Layout	Beschreibung
<input checked="" type="checkbox"/> PCC_PT_MONITOR_EVENTS	Progress Tracking Monitor - Ereignisse
<input checked="" type="checkbox"/> PCC_PT_MONITOR_OBJECTS	Progress Tracking Monitor - Objekte
<input checked="" type="checkbox"/> PCC_PT_MONITOR_SELECTION	Progress Tracking Monitor - Selektion

### 3. Development

None.

When including customised fields in the ALV layouts, customised development may be necessary.

# Scheduling - Event Reporting

## 1. Prerequisites

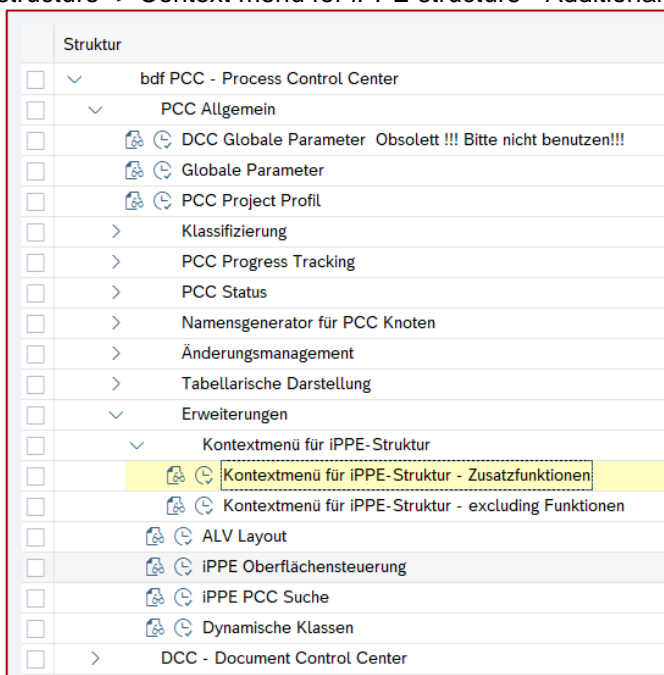
iPPE nodes (transaction OPPE02) and their relationships (transaction OPPE05) for building a PPG structure are already customised (see also Structure Management).

iPPE nodes (transaction OPPE02) and iPPE component variants for document planning (transaction OPPE03) as well as their relationships (transaction OPPE06) are already customised (see also Structure Management). The customising for the expediting objects has been carried out (see Scheduling - Event Scenarios).

## 2. Customizing

Call the transaction /BDFPLM/IMG

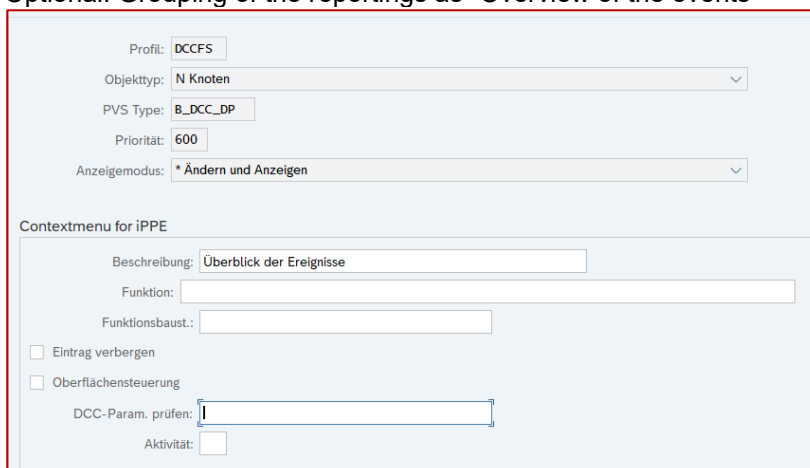
Navigation zu bdf PCC – Process Control Center -> PCC General -> Enhancements -> Context menu for iPPE structure -> Context menu for iPPE structure - Additional functions



Assign the following values to the node at which the reportings are to be called up (e.g. B\_DCC\_DS):

<input checked="" type="checkbox"/>	DCCFS	N Kno...	B_DCC_DP	600	* Ändern und An...	Überblick der Ereignisse			
<input checked="" type="checkbox"/>	DCCFS	N Kno...	B_DCC_DP	610	* Ändern und An...	Aktueller Knoten	Z_FC_EVENT_SINGLE	/BDFPLM/DCC_FC_EVENT_SINGLE	<input type="checkbox"/>
<input checked="" type="checkbox"/>	DCCFS	N Kno...	B_DCC_DP	620	* Ändern und An...	Strukturauflösung	Z_FC_DOC_EVENT_SUBTREE	/BDFPLM/DCC_FC_EVENT_SUBTREE	<input type="checkbox"/>
<input checked="" type="checkbox"/>	DCCFS	N Kno...	B_DCC_DP	630	* Ändern und An...	Strukturauflösung mit Selektionsscreen	Z_FC_DOC_EVENT_SELECT	/BDFPLM/DCC_FC_EVENT_SELECT	<input type="checkbox"/>

Optional: Grouping of the reportings as “Overview of the events”





Profile: BDF Project profile of the structure

Object type: N node

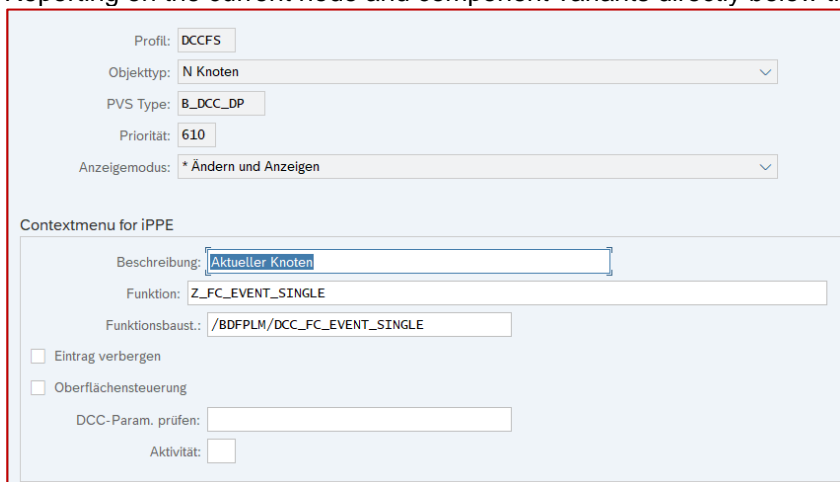
PVS Type: Node type at which the function should be executed (e.g. B\_DCC\_DP)

Priority: freely selectable, e.g. 600

Display mode: Change and display (also only Change or only Display possible depending on the application)

Description: Freely selectable, e.g. "Overview of the events"

Reporting on the current node and component variants directly below this node ("current node")



Profil: DCCFS  
 Objekttyp: N Knoten  
 PVS Type: B\_DCC\_DP  
 Priorität: 610  
 Anzeigemodus: \* Ändern und Anzeigen

Contextmenu for iPPE

Beschreibung: Aktueller Knoten  
 Funktion: Z\_FC\_EVENT\_SINGLE  
 Funktionsbaust.: /BDFPLM/DCC\_FC\_EVENT\_SINGLE

Eintrag verbergen  
 Oberflächensteuerung  
 DCC-Param. prüfen:   
 Aktivität:

Profile: BDF Project profile of the structure

Object type: N node

PVS Type: Node type at which the function should be executed (e.g. B\_DCC\_DP)

Priority: freely selectable, e.g. 600

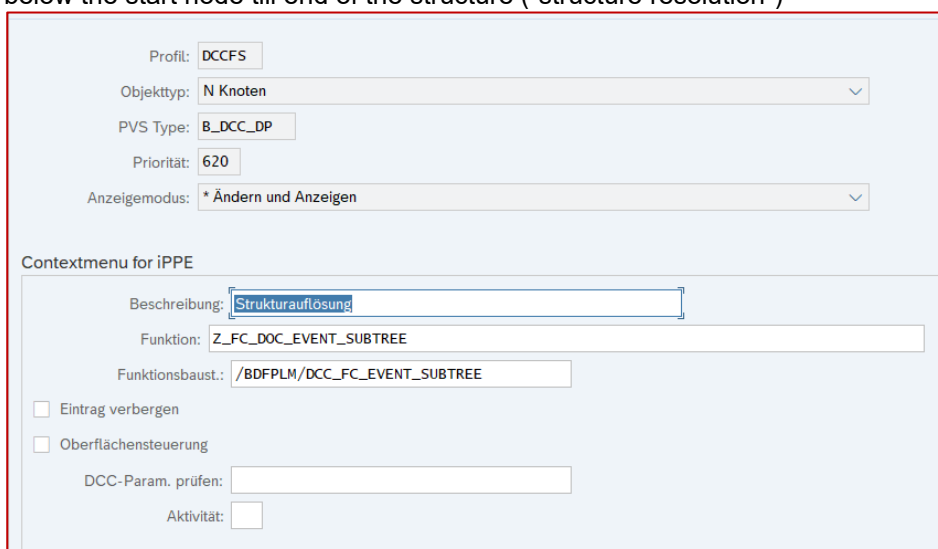
Display mode: Change and display (also only Change or only Display possible depending on the application)

Description: Freely selectable, e.g. "Current nodes"

Role: Z\_FC\_EVENT\_SINGLE

Function module: /BDFPLM/DCC\_FC\_EVENT\_SINGLE

Reporting on the current node and component variants directly below this node & nodes & component variants below the start node till end of the structure ("structure resolution")



Profil: DCCFS  
 Objekttyp: N Knoten  
 PVS Type: B\_DCC\_DP  
 Priorität: 620  
 Anzeigemodus: \* Ändern und Anzeigen

Contextmenu for iPPE

Beschreibung: Strukturauflösung  
 Funktion: Z\_FC\_DOC\_EVENT\_SUBTREE  
 Funktionsbaust.: /BDFPLM/DCC\_FC\_EVENT\_SUBTREE

Eintrag verbergen  
 Oberflächensteuerung  
 DCC-Param. prüfen:   
 Aktivität:

Profile: BDF Project profile of the structure

Object type: N node

PVS Type: Node type at which the function should be executed (e.g. B\_DCC\_DP)

Priority: freely selectable, e.g. 600

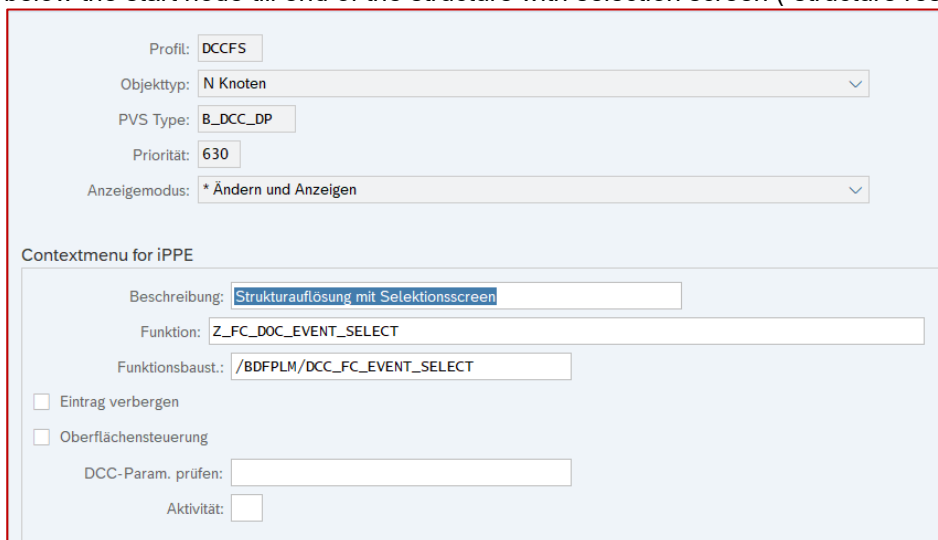
Display mode: Change and display (also only Change or only Display possible depending on the application)

Description: Freely selectable, e.g. "Current nodes"

Role: Z\_FC\_DOC\_EVENT\_SUBTREE

Function module: /BDFPLM/DCC\_FC\_EVENT\_SUBTREE

Reporting on the current node and component variants directly below this node & nodes & component variants below the start node till end of the structure with selection screen ("structure resolution with selection screen")



Profile: BDF Project profile of the structure

Object type: N node

PVS Type: Node type at which the function should be executed (e.g. B\_DCC\_DP)

Priority: freely selectable, e.g. 600

Display mode: Change and display (also only Change or only Display possible depending on the application)

Description: Freely selectable, e.g. "Current nodes"

Role: Z\_FC\_DOC\_EVENT\_SELECT

Function module: /BDFPLM/DCC\_FC\_EVENT\_SELECT

### 3. Development

none

# Material Control Center – Material Master Generation

## 1. Requirements

- Transaction OPPE02: Define iPPE node type [CMP]
- Transaction OPPE03: Define iPPE variant types [CMP]
- Transaction OPPE05: iPPE node type relationship [CMP]
- Transaction OPPE06: iPPE node & variant type relationship [CMP]
- Transaction OPPE11: iPPE profile definition [CMP]

## 7. Customising

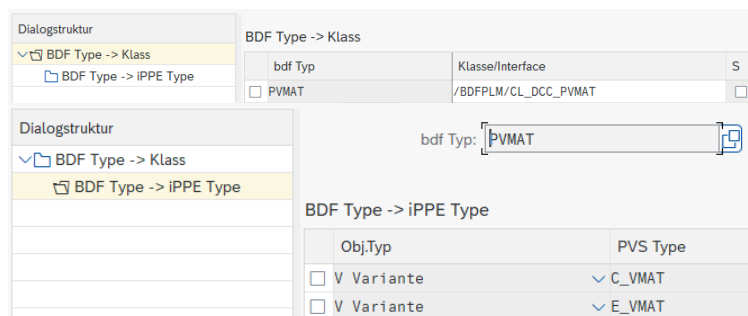
Transaction OPPE12:

- Material planning overview tab at the node level  
/BDFPLM/DCC\_PVMAT\_V
- Material planning tab at variant/material plan item level  
/BDFPLM/DCC\_PVMAT\_V

The screens behind the tabs can also be grouped together into their own tabs.

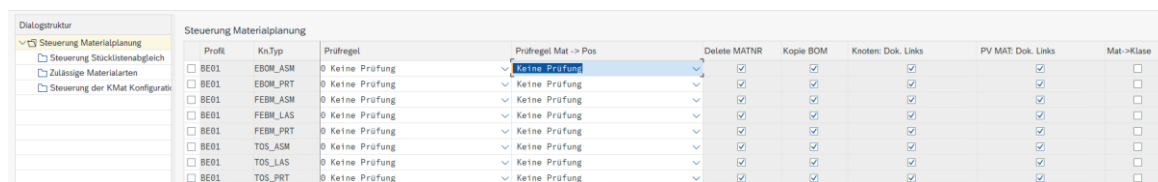
Transaction/BDFPLM/IMG:

### PCC Area – General – Extensions – **Dynamic Classes**



Storage of the PVS variant types, which are to be treated as PVMAT/material plan items

### MCC Area – Material Control Centre – **Material Planning Governance**



Profil	KoTyp	Prüfregel	Prüfregel Mat -> Pos	Delete MATNR	Kopie BOM	Knoten: Dok. Links	PV MAT: Dok. Links	Mat->Klasse
<input type="checkbox"/> BE01	EBOM_ASM	Keine Prüfung	Keine Prüfung	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> BE01	EBOM_PRT	Keine Prüfung	Keine Prüfung	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> BE01	FEBM_ASM	Keine Prüfung	Keine Prüfung	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> BE01	FEBM_LAS	Keine Prüfung	Keine Prüfung	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> BE01	FEBM_PRT	Keine Prüfung	Keine Prüfung	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> BE01	TOS_ASM	Keine Prüfung	Keine Prüfung	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> BE01	TOS_LAS	Keine Prüfung	Keine Prüfung	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> BE01	TOS_PRT	Keine Prüfung	Keine Prüfung	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Definitions in material planning, e.g. restrictions in the use of the material type or the addition or deactivation of a button that removes the material number from the variant.

## 8. Development

# Material Control Centre – BOM Generation

## 1. Requirements

- Transaction OPPE02: Define iPPE node type [CMP]
- Transaction OPPE03: Define iPPE variant types [CMP]
- Transaction OPPE05: iPPE node type relationship [CMP]
- Transaction OPPE06: iPPE node & variant type relationship [CMP]
- Transaction OPPE11: iPPE profile definition [CMP]

## 2. Customising

- Transaction OPPE12:
  - BOM header/item data tabs at the variant/material plan item level
  - /BDFPLM/DCC\_PV\_BOM\_H | BOM header data
  - /BDFPLM/DCC\_PV\_BOM\_I | BOM item data

The screens behind the tabs can also be grouped together into their own tabs.

Transaction/BDFPLM/IMG:

### PCC Area – General – Extensions – iPPE Structure Context Menu – **iPPE Structure Context Menu – Additional Functions**

Contextmenu for iPPE							
Profil	Obj.Type	PVS Type	Prio	Anzeige	Beschreibung	Funktion	Funktionsbaustein
<input type="checkbox"/>	BE01	N Knot...	EBOM_ASM	209	U Ändern	Stücklistenbereitstellung	
<input type="checkbox"/>	BE01	N Knot...	EBOM_ASM	210	U Ändern	Stücklisten abgleichen (einstufig)	Z_FC_SYNCHRONISE_BOM /BDFPLM/PCC_FC_SYNCHRONISE_BOM
<input type="checkbox"/>	BE01	N Knot...	EBOM_ASM	220	U Ändern	Stücklisten abgleichen (mehrstufig)	Z_FC_SYNCHR_BOM_MULT /BDFPLM/PCC_FC_SYNCHR_BOM_MULT

### MCC Area – Material Control Centre – **Material Planning Governance**

Dialogstruktur	Profil: BE01	Knotentyp: EBOM_ASM	Steuerung Stücklistenabgleich	PVDOC	Letzte Hierarchy Lvl	eingeschr. Varianz	Ebene überspringen	Ende BOM Synchronise	Werksdaten	Werk	Anwend.	Sif	Alt	SttVerw	Active
Steuerung Materialplanung			<input type="checkbox"/> K Kundenauftragsstückliste	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Keine Daten anlegen						<input checked="" type="checkbox"/>
Steuerung Stücklistenabgleich			<input type="checkbox"/> M Materialstückliste	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Keine Daten anlegen						<input checked="" type="checkbox"/>
Zulassung Materialarten			<input type="checkbox"/> P Projektstückliste	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Keine Daten anlegen						<input checked="" type="checkbox"/>

It is defined under the subitem 'Control – Bill of material matching' which of the aforementioned types of bills of material should be available for derivation.

### MCC Area – Material Control Centre – **MCC – Use of Bills of Material – Item Status**

MCC Stücklistenverwendung - Positionsstatus							
SttVerw	KonstRel	FertRel	InstRel	ErsTeil	VertrRel	KalkRel	Anwend.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PP01
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	KONS
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INST
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SD01
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	PC01

Relation between relevance indicators of the BOM item data and the BOM usage

### MCC Area – Material Control Centre – **“Display of Bills of Material out of BOM Summaries”**

Jumps can be set here to go from the transactions to the display of the bill of material (e.g. CS03/CS73/...)

## 3. Development

# Material Control Centre – LO-VC Object Generation

## 1. Requirements

- Transaction OPPE02: Define iPPE node type [CMP]
- Transaction OPPE03: Define iPPE variant types [CMP]
- Transaction OPPE05: iPPE node type relationship [CMP]
- Transaction OPPE06: iPPE node & variant type relationship [CMP]
- Transaction OPPE11: iPPE profile definition [CMP]

## 2. Customising

Transaction OPPE12:

- BOM header/item data tabs at the node level
- /BDFPLM/CLAS\_CNTR\_PN | Class centre
- /BDFPLM/FEAT\_CNTR\_PN | Features centre
- /BDFPLM/EXTRACT\_CNTR | Extraction centre

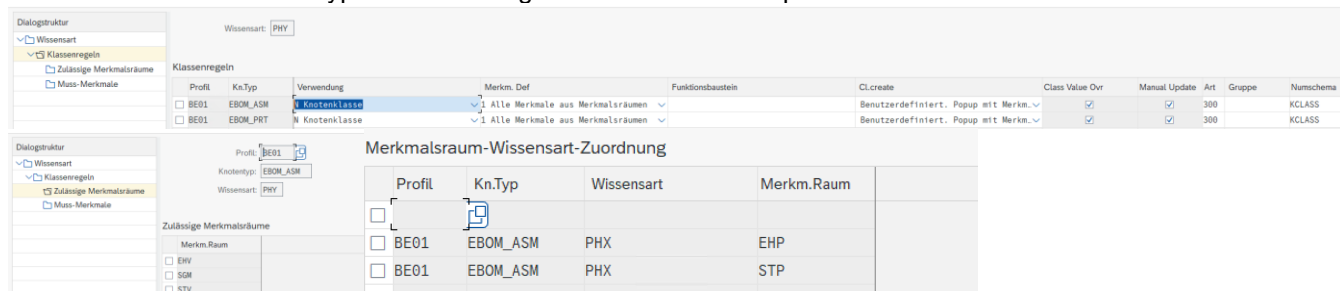
The screens behind the tabs can also be grouped together into their own tabs.

Transaction/BDFPLM/IMG:

### KCC Area – Knowledge Control Centre – Extensions – iPPE Structure Context Menu – iPPE Structure Context Menu – Additional Functions

<input type="checkbox"/>	▼	KCC - Knowledge Control Center
<input type="checkbox"/>	▼	MerkmalsCenter
<input type="checkbox"/>		Merkmalsräume
<input type="checkbox"/>		Knotentypabhängige Customizing
<input type="checkbox"/>	▼	Klassen Center
<input type="checkbox"/>		Klassen Center - Komplett
<input type="checkbox"/>		Wissensart
<input type="checkbox"/>		Klassenregeln
<input type="checkbox"/>		Merkmalsraum-Wissensart-Zuordnung
<input type="checkbox"/>		Zuordnung von Muss-Merkmale zu der Wissensart
<input type="checkbox"/>	▼	Ausleitung Center
<input type="checkbox"/>		Ausleitungsregeln

### Class centre: Definition of types of knowledge and their features spaces

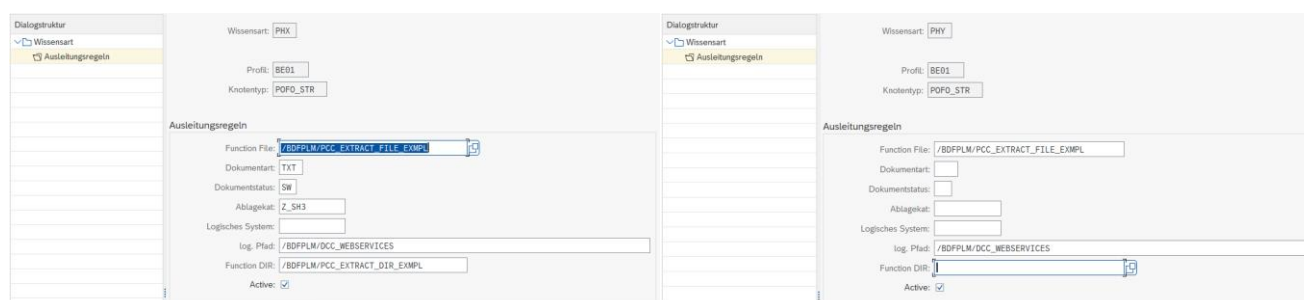


The screenshot shows two SAP configuration screens. The top screen is 'Klassenregeln' (Class Rules) for Wissensart PHX. It shows a table with columns: Profil, Kn.Type, Verwendung, Merkm. Def, Funktionsbaustein, Cl.create, Class Value Ovr, Manual Update, Art, Gruppe, and Numschema. The bottom screen is 'Merkmalsraum-Wissensart-Zuordnung' (Feature Space Knowledge Type Assignment) for Profil BE01 and Knotentyp EBOM\_ASM. It shows a table with columns: Profil, Kn.Type, Wissensart, and Merkm.Raum.

Profil	Kn.Type	Verwendung	Merkm. Def	Funktionsbaustein	Cl.create	Class Value Ovr	Manual Update	Art	Gruppe	Numschema
BE01	EBOM_ASM	N Knotenklasse	Alle Merkmale aus Merkmalsräumen		Benutzerdefiniert. Popup mit Merkm...	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	300		KCLASS
BE01	EBOM_PRT	N Knotenklasse	Alle Merkmale aus Merkmalsräumen		Benutzerdefiniert. Popup mit Merkm...	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	300		KCLASS

Profil	Kn.Type	Wissensart	Merkm.Raum
<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	BE01	EBOM_ASM	PHX
<input type="checkbox"/>	BE01	EBOM_ASM	PHX
<input type="checkbox"/>	BE01	EBOM_ASM	PHX

### Extraction centre: Extraction with or without storage of the file as a document dataset for the extraction object



The screenshot shows two SAP configuration screens for 'Ausleitungsregeln' (Extraction Rules). The left screen is for Wissensart PHX, Profil BE01, and Knotentyp POFD\_STR. The right screen is for Wissensart PHX, Profil BE01, and Knotentyp POFD\_STR. Both screens show fields for Function File, Dokumentart, Dokumentstatus, Abgelegt, Logisches System, log. Pfad, Function DIR, and Active.

Function File	Dokumentart	Dokumentstatus	Abgelegt	Logisches System	log. Pfad	Function DIR	Active
/BDFPLM/PCC_EXTRACT_FILE_EXMPL	TXT	SW	Z_SH3		/BDFPLM/DCC_WEBSEVICES	/BDFPLM/PCC_EXTRACT_DIR_EXMPL	<input checked="" type="checkbox"/>

### 3. Development

## Material Control Centre – PS Structure Creation

### 1. Requirements

Transaction OPPE02: Define iPPE node type [CMP]  
 Transaction OPPE03: Define iPPE variant types [CMP]  
 Transaction OPPE05: iPPE node type relationship [CMP]  
 Transaction OPPE06: iPPE node & variant type relationship [CMP]  
 Transaction OPPE11: iPPE profile definition [CMP]

### 2. Customising

Transaction OPPE12:

BOM header/item data tabs at the node level  
 (TOP node with reference to node type S\_HD)  
 /BDFPLM/PCC\_PNPRJ\_V

BOM header/item data tabs at the structure node level  
 (TOP node with reference to node type S\_ST)  
 /BDFPLM/PCC\_PXDOW\_PN

BOM header/item data tabs at the variant/material plan item level  
 /BDFPLM/PCC\_PXDOW\_PV

The screens behind the tabs can also be grouped together into their own tabs.

Transaction/BDFPLM/IMG:

### PCC Area – General – Extensions – iPPE Structure Context Menu – **iPPE Structure Context Menu – Additional Functions**

Contextmenu for iPPE							
Profil	Obj.Type	PVS Type	Prio	Anzeige	Beschreibung	Funktion	Funktionsbaustein
<input type="checkbox"/> BE01	N Knot..	TOS_ASM	150	U Ändern	PS-Integration		
<input type="checkbox"/> BE01	N Knot..	TOS_ASM	152	U Ändern	PS Abgleich (einstufig)	Z_FC_PPE2PS_SINGLE	/BDFPLM/PCC_FC_PPE2PS_SINGLE
<input type="checkbox"/> BE01	N Knot..	TOS_ASM	153	U Ändern	PS Abgleich (mehrstufig)	Z_FC_PPE2PS_MULTI	/BDFPLM/PCC_FC_PPE2PS_MULTI

### MCC Area – Material Control Centre – PS Integration – **Fulfilment Indicators**

Steuerungskennzeichen: Liefer- und Leistungsumfänge (LLU)	
LLU	Kurztext1
<input type="checkbox"/> 1000	Purchasing
<input type="checkbox"/> 2000	Production
<input type="checkbox"/> 9000	Engineering
<input type="checkbox"/> DWBS	PS Integration Durchreichung
<input type="checkbox"/> XWBS	PS Integration

Definition of the fulfilment indicators by assigning a four-digit value and a corresponding process-related description.

### MCC Area – Material Control Centre – PS integration – **Mode of Functioning of Fulfilment Indicators**

Zuordnung IPPE Objekttypen zu PS Objekten								
Profil	Obj Typ	Objekttyp	LLU	Objekttyp	Funkt.Obj Lesen	Er...	Funkt.Obj_Ändern	Logisches Syst...
<input type="checkbox"/>	BE01	N Knoten	↳ TOS_ASM	DWBS	WBS PSP-Element	✓ /BDFPLM/PCC_WBS_PASS_THRU	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	BE01	N Knoten	↳ TOS_ASM	XWBS	WBS PSP-Element	✓ /BDFPLM/PCC_GET_WBS	<input checked="" type="checkbox"/>	/BDFPLM/PCC_CHANGE_WBS
<input type="checkbox"/>	BE01	N Knoten	↳ TOS_EXS	DWBS	WBS PSP-Element	✓ /BDFPLM/PCC_WBS_PASS_THRU	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	BE01	N Knoten	↳ TOS_PMT	XWBS	WBS PSP-Element	✓ /BDFPLM/PCC_GET_WBS	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	BE01	N Knoten	↳ TOS_PRT	DWBS	WBS PSP-Element	✓ /BDFPLM/PCC_WBS_PASS_THRU	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	BE01	N Knoten	↳ TOS_SOF	DWBS	WBS PSP-Element	✓ /BDFPLM/PCC_WBS_PASS_THRU	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	BE01	N Knoten	↳ TOS_STR	DWBS	WBS PSP-Element	✓ /BDFPLM/PCC_WBS_PASS_THRU	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	BE01	N Knoten	↳ TOS_STR	XWBS	WBS PSP-Element	✓ /BDFPLM/PCC_GET_WBS	<input checked="" type="checkbox"/>	/BDFPLM/PCC_CHANGE_WBS
<input type="checkbox"/>	BE01	V Variante	↳ T_VDOC	1000	ACT Netzplanvorgang	✓ /BDFPLM/PCC_GET_ACT_I_M	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	BE01	V Variante	↳ T_VDOC	2000	ACT Netzplanvorgang	✓ /BDFPLM/PCC_GET_ACT_I_M	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	BE01	V Variante	↳ T_VDOC	9000			<input type="checkbox"/>	
<input type="checkbox"/>	BE01	V Variante	↳ T_VMAT	1000	ACT Netzplanvorgang	✓ /BDFPLM/PCC_GET_ACT_I_M	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	BE01	V Variante	↳ T_VMAT	2000	ACT Netzplanvorgang	✓ /BDFPLM/PCC_GET_ACT_I_M	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	BE01	V Variante	↳ T_VMAT	9000			<input type="checkbox"/>	

Integration of the fulfilment indicator into the functionality of the PSP element creation or into network plan activities, as well as the ability to evaluate them depending on the object type.

### 3. Development



# Material Control Centre – PS Logistics Integration

## 1. Requirements

- Transaction OPPE02: Define iPPE node type [CMP]
- Transaction OPPE03: Define iPPE variant types [CMP]
- Transaction OPPE05: iPPE node type relationship [CMP]
- Transaction OPPE06: iPPE node & variant type relationship [CMP]
- Transaction OPPE11: iPPE profile definition [CMP]

## 2. Customising

Transaction OPPE12:

BOM header/item data tabs at the node level  
(TOP node with reference to node type S\_HD)  
/BDFPLM/PCC\_PNPRJ\_V

BOM header/item data tabs at the structure node level  
(TOP node with reference to node type S\_ST)  
/BDFPLM/PCC\_PXDOW\_PN

BOM header/item data tabs at the variant/material plan item level  
/BDFPLM/PCC\_PXDOW\_PV

At least – without 2021\_BDF\_PCC\_User Documentation\_MCC\_04\_PS-Structure Creation\_DE – project system tab at the variant/material plan item level  
S\_CMP\_PS

The screens behind the tabs can also be grouped together into their own tabs.

Transaction/BDFPLM/IMG:

### PCC Area – General – Extensions – iPPE Structure Context Menu – **iPPE Structure Context Menu – Additional Functions**

Contextmenu for iPPE

Profil	Obj.Type	PVS Type	Prio	Anzeige	Beschreibung	Funktion	Funktionsbaustein
<input type="checkbox"/> BE01	N Knot...	TOS_ASM	156	U Ändern	PS Komponententransfer	Z_FC_CMP_TRANSFER_PS	/BDFPLM/DCC_FC_CMP_TRANSFER_PS

## MCC Material Control Centre – PS Integration – Defining Procurement Types

Dialogstruktur	Beschaffungsart definieren	
<ul style="list-style-type: none"> <li>▼ Beschaffungsart definieren <ul style="list-style-type: none"> <li>▢ Attribute der Beschaffungsart an</li> </ul> </li> </ul>	Beschaffungsart	Beschaffungsart
	<input type="checkbox"/> PIR4NWK	Planprimärbedarf zum Netzplan
	<input type="checkbox"/> PIR4SDO	Planprimärbedarf zum Verkaufsbeleg
	<input type="checkbox"/> PIR4WBS	Planprimärbedarf zum PSP-Element
	<input type="checkbox"/> PPR4SDO	Vorabbestellanforderung zum Verkaufsbeleg
	<input type="checkbox"/> PPR4WBS	Kennzeichen: Vorabbestellung zum PSP-Element
	<input type="checkbox"/> PRQ+RES4SDO	Bestellanforderung und Reservierung zum Verkaufsbeleg
	<input type="checkbox"/> PRQ+RES4WBS	Bestellanforderung und Reservierung zum PSP-Element
	<input type="checkbox"/> PRQ4NWK	Bestellanforderung/Direktbeschaffung zum Netzplan
	<input type="checkbox"/> RES4NWK	Reservierung zum Netzplan (Werksbestand)
	<input type="checkbox"/> RES4SDO	Reservierung zum Verkaufsbeleg
	<input type="checkbox"/> RES4WBS	Reservierung zum PSP-Element
	<input type="checkbox"/> TPR	Streckenbestellanforderung
	<input type="checkbox"/> TPR4SDO	Streckenbestellanforderung zum Verkaufsbeleg
	<input type="checkbox"/> TPR4WBS	Streckenbestellanforderung zum PSP-Element

Definition of procurement types

Beschaffungsart zuordnen						
	Profil	Obj.Type	Objektyp	LLU	Beschaffungsart	Logisches Syst...
<input type="checkbox"/>	BE01	V Variante	▼ T_VMAT	1000	PRQ+RES4WBS	
<input type="checkbox"/>	BE01	V Variante	▼ T_VMAT	2000	RES4WBS	
<input type="checkbox"/>	BE01	V Variante	▼ T_VMAT	9000		

Reference of variant type to fulfilment indicators of the procurement type for process management and control

### 3. Development

## Material Control Centre – Generation of service data

### 1. Requirements

Transaction OPPE02: Define iPPE node type [CMP]  
 Transaction OPPE03: Define iPPE variant types [CMP]  
 Transaction OPPE05: iPPE node type relationship [CMP]  
 Transaction OPPE06: iPPE node & variant type relationship [CMP]  
 Transaction OPPE11: iPPE profile definition [CMP]

### 2. Customising

Transaction OPPE12:

CS initial object tabs at the node level  
 (TOP node with reference to node type S\_HD)  
 /BDFPLM/PCC\_CSHD

CS item tabs on the structure node level  
 (TOP node with reference to node type S\_ST)  
 /BDFPLM/PCC\_CSPOS

CS item tabs on the variant/material plan item level (optional)  
 /BDFPLM/PCC\_CSPOSV

The screens behind the tabs can also be grouped together into their own tabs.

Transaction/BDFPLM/IMG:

### PCC Area – General – Extensions – iPPE Structure Context Menu – **iPPE Structure Context Menu – Additional Functions**

Contextmenu for iPPE

Profil	Obj.Type	PVS Type	Prio	Anzeige	Beschreibung	Funktion	Funktionsbaustein
<input type="checkbox"/> BE01	N Knot... > TOS_ASM		250	U Ändern	> Service-Integration		
<input type="checkbox"/> BE01	N Knot... > TOS_ASM		251	U Ändern	> CS Positionen Ableitung (einstufig)	Z_FC_PPE2CS_SINGLE	/BDFPLM/PCC_FC_PPE2CS_SINGLE
<input type="checkbox"/> BE01	N Knot... > TOS_ASM		252	U Ändern	> CS Positionen Ableitung (mehrstufig)	Z_FC_PPE2CS_MULTII	/BDFPLM/PCC_FC_PPE2CS_MULTII

### MCC Area – Material Control Centre – CS integration – **Control Indicator Service and Maintenance Profile (SWP)**

Steuerungskennzeichen: Service- und Wartungsprofil (SWP)

SWP	Kurztext1
<input type="checkbox"/> EQIP	Equipment
<input type="checkbox"/> TECP	Technischer Platz

Definition of the service and maintenance profile indicators

### MCC Area – Material Control Centre – CS Integration – **Mode of Functioning of the SWP Indicator**

Zuordnung iPPE Objekttypen zu SW-Profilen

Profil	Obj.Type	Objekttyp	SWP	CS Obj.Type	FuBa: Get	+	FuBa: Change	FuBa: Get parent	FuBa: Get next
<input type="checkbox"/> BE01	N Knoten	> TOS_ASM	EQIP	EQU Equipment	> /BDFPLM/PCC_GET_EQUI	<input checked="" type="checkbox"/>	/BDFPLM/PCC_CHANGE_EQUI	/BDFPLM/PCC_GET_PARENT_EQ	/BDFPLM/PCC_NEXT_EQUI
<input type="checkbox"/> BE01	N Knoten	> TOS_EXS	EQIP	EQU Equipment	> /BDFPLM/PCC_GET_EQUI	<input checked="" type="checkbox"/>	/BDFPLM/PCC_CHANGE_EQUI	/BDFPLM/PCC_GET_PARENT_EQ	/BDFPLM/PCC_NEXT_EQUI
<input type="checkbox"/> BE01	N Knoten	> TOS_PRT	EQIP	EQU Equipment	> /BDFPLM/PCC_GET_EQUI	<input checked="" type="checkbox"/>	/BDFPLM/PCC_CHANGE_EQUI	/BDFPLM/PCC_GET_PARENT_EQ	/BDFPLM/PCC_NEXT_EQUI
<input type="checkbox"/> BE01	N Knoten	> TOS_STR	TECP	TPL Techn. Platz	> /BDFPLM/PCC_GET_FUNCLOC	<input checked="" type="checkbox"/>	/BDFPLM/PCC_CHANGE_FUNCLOC	/BDFPLM/PCC_GET_PARENT_FL	/BDFPLM/PCC_NEXT_FUNCLOC

It is defined here which indicator is to be maintained on which object type and which functionality behind it is valid.

The derivation can be implemented as a flat as well as a hierarchical derivation – FUBA: Get Parent.

### MCC Area – Material Control Centre – CS Integration – **Maintenance of CS Templates**

Pflege der CS-Vorlagen

	Profil	Obj.Type	Objektyp	SWP	CS Objektschlüssel	CS Obj.Type
<input type="checkbox"/>	BE01	N Knoten	∨ TOS_ASM	EQIP	10000000	EQU Equipment ∨
<input type="checkbox"/>	BE01	N Knoten	∨ TOS_PRT	EQIP	10000000	EQU Equipment ∨
<input type="checkbox"/>	BE01	N Knoten	∨ TOS_SOF	EQIP	10000000	EQU Equipment ∨
<input type="checkbox"/>	BE01	N Knoten	∨ TOS_STR	TECP	001	TPL Techn. Platz ∨

Templates to identify the basic master data of functional locations and equipment

### 3. Development

# SAP Product and Process Governance – Single Node Build

## 1. Requirements

- Transaction OPPE02: Define iPPE node type [CMP]
- Transaction OPPE03: Define iPPE variant types [CMP]
- Transaction OPPE05: iPPE node type relationship [CMP]
- Transaction OPPE06: iPPE node & variant type relationship [CMP]
- Transaction OPPE11: iPPE profile definition [CMP]

## 2. Customising

Transaction/BDFPLM/IMG:

### PCC Area – General – Extensions – iPPE Structure Context Menu – **iPPE Structure Context Menu – Additional Functions**

Contextmenu for iPPE

Profil	Obj.Type	PVS Type	Prio	Anzeige	Beschreibung	Funktion	Funktionsbaustein
<input type="checkbox"/> BE01	N Knot...	EBOM_HDR	110	U Ändern	Knoten/PosVar erzeugen	Z_FC_SINGLE_NODE_ADD	/BDFPLM/PCC_FC_SINGLE_NODE_ADD

The Single Node Build function is activated for a node type and a DCC project profile. This can then be subsequently executed via the context menu in the iPPE and always reads out the valid relationships (transaction OPPE05: iPPE Node Type Relationship [CMP])

## 3. Development

# SAP Product and Process Governance – Structure Management

## 1. Requirements

Authorisation to use the transaction PPE to check structural customising.

Authorisation of the transaction OPPE13 to assign the profiles from transaction OPPE11.

## 2. Customising

Transaction OPPE02: Define iPPE node type [CMP]:

**It is always necessary to create the copy from the object type S\_HD or S\_ST!**

iPPE-Knotentypen

Kn.Typ	Anwendung	Ebene	Klassenzuordnung min	Klasse max	KZ...	Ko...	Knotent...	Klasse	KL...	Ref-Typ	Ob...	Ikon...	Ikon...	Bezeichnung
<input type="checkbox"/> TOS_ASM	CMP Produktstruktur	S Strukturebene	0 keine	1 eine	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0			S_ST	<input type="checkbox"/>	@06@		TOS Baugruppe
<input type="checkbox"/> TOS_ASS	CMP Produktstruktur	E Einstiegsebene	0 keine	1 eine	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0			S_HD	<input type="checkbox"/>	@N2@		TOS Einstieg Kundenanlage
<input type="checkbox"/> TOS_CUS	CMP Produktstruktur	S Strukturebene	0 keine	1 eine	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0			S_ST	<input type="checkbox"/>	@A0@		Kundensicht
<input type="checkbox"/> TOS_EXS	CMP Produktstruktur	S Strukturebene	0 keine	1 eine	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0			S_ST	<input type="checkbox"/>	@RM@		TOS Externer Service
<input type="checkbox"/> TOS_LAS	CMP Produktstruktur	S Strukturebene	0 keine	1 eine	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0			S_ST	<input type="checkbox"/>	@06@		TOS Logistik-Baugruppe
<input type="checkbox"/> TOS_PMT	CMP Produktstruktur	S Strukturebene	0 keine	1 eine	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0			S_ST	<input type="checkbox"/>	@ED@		TOS Projekt Management Transfer
<input type="checkbox"/> TOS_PRT	CMP Produktstruktur	S Strukturebene	0 keine	1 eine	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0			S_ST	<input type="checkbox"/>	@05@		TOS Part
<input type="checkbox"/> TOS_RAW	CMP Produktstruktur	S Strukturebene	0 keine	1 eine	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0			S_ST	<input type="checkbox"/>	@I1@		TOS Rohteil
<input type="checkbox"/> TOS_SFT	CMP Produktstruktur	S Strukturebene	0 keine	1 eine	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0			S_ST	<input type="checkbox"/>	@6H@		TOS Software

Transaction OPPE03: Define iPPE variant types [CMP]

**It is always necessary to create the copy from the object type S\_HD or S\_ST!**

iPPE-Variantentypen

Var.Typ	Anwendung	Ebene	Knoten min	Knoten max	KZ...	His...	Klasse	KL...	Ref-Typ	Ob...	Ikone	Ikon...	Bez
<input type="checkbox"/> T_VDOC	CMP Produktstruktur	S Strukturebene	1 eine	1 eine	<input checked="" type="checkbox"/>	<input type="checkbox"/>			S_CMPST	<input type="checkbox"/>	@IF@		TOS Dokumentplanungsposition
<input type="checkbox"/> T_VMAT	CMP Produktstruktur	S Strukturebene	1 eine	1 eine	<input checked="" type="checkbox"/>	<input type="checkbox"/>			S_CMPST	<input type="checkbox"/>	@AT@		TOS Materialplanungsposition

Transaction OPPE05: iPPE node type relationship [CMP]

iPPE-Beziehungstypen

Rel. Typ	Zahler	ObjTyp 1	ObjTyp 2	ObjTyp 1	ObjTyp 2	Zahler	min 1	max 1	min 2	max 2
<input type="checkbox"/> TOS_10	1	TOS_ASS	TOS_STR	N Knoten	N Knoten	1	0 keine	N beliebig viele	0 keine	N beliebig viele
<input type="checkbox"/> TOS_10	2	TOS_ASS	TOS_EXS	N Knoten	N Knoten	1	0 keine	N beliebig viele	0 keine	N beliebig viele
<input type="checkbox"/> TOS_10	3	TOS_STR	TOS_STR	N Knoten	N Knoten	1	0 keine	N beliebig viele	0 keine	N beliebig viele
<input type="checkbox"/> TOS_10	4	TOS_STR	TOS_EXS	N Knoten	N Knoten	1	0 keine	N beliebig viele	0 keine	N beliebig viele
<input type="checkbox"/> TOS_10	5	TOS_STR	TOS_ASM	N Knoten	N Knoten	1	0 keine	N beliebig viele	0 keine	N beliebig viele
<input type="checkbox"/> TOS_10	6	TOS_STR	TOS_PRT	N Knoten	N Knoten	1	0 keine	N beliebig viele	0 keine	N beliebig viele
<input type="checkbox"/> TOS_10	7	TOS_ASM	TOS_ASM	N Knoten	N Knoten	1	0 keine	N beliebig viele	0 keine	N beliebig viele
<input type="checkbox"/> TOS_10	8	TOS_ASM	TOS_PRT	N Knoten	N Knoten	1	0 keine	N beliebig viele	0 keine	N beliebig viele

Transaction OPPE06: iPPE node & variant type relationship [CMP]

Associated with the variant types, the dynamic classes PVMAT for the material plan item and PVDOC for the document plan item must be defined downstream in the BDFPLM-IMG.

iPPE-Modellzuordnungen

iPPE-Typ 1	iPPE-Typ 2	ObjTyp 1	ObjTyp 2	min	max	Bez. 1	Bez. 2
<input type="radio"/> TOS_ASM	T_VDOC	N Knoten	V Variante	0 keine	N beliebig viele	TOS Baugruppe	TOS Dokumentplanungsposition
<input type="radio"/> TOS_ASM	T_VMAT	N Knoten	V Variante	0 keine	1 eine	TOS Baugruppe	TOS Materialplanungsposition

Transaction OPPE11: iPPE profile definition [CMP]

The relationships refer to the result of the transaction OPPE05

The model definitions refer to the result of the transaction OPPE06

Dialogstruktur

- Profil
- Beziehungen
- Modelldefinitionen
- Umfeld
- Berichte

Profil: TOS\_ADM

Profilname: \* TOS Administration

Baum Id: 01 Navigationsbaum

Anwendung: \* IPPE

GUI-Identifikation: \* 1

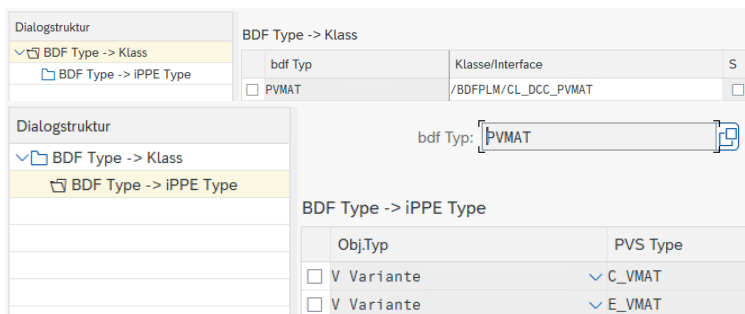
Standard-Profil

Breite Hiersp.: 40

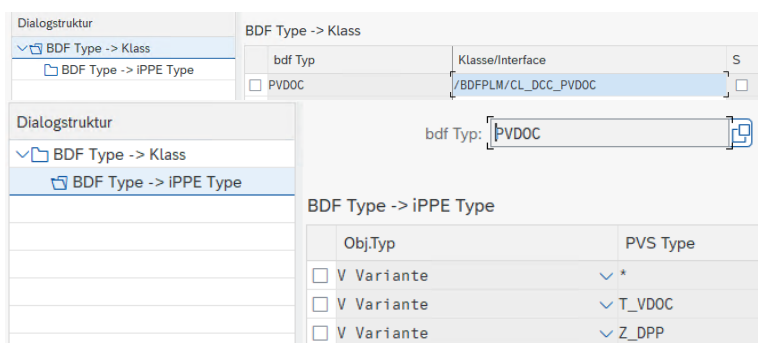
Varianten BK

Transaction /BDFPLM/IMG:

### PCC Area – General – Extensions – **Dynamic Classes**



Storage of the PVS variant types, which are to be treated as PVMAT/material plan item



Storage of the PVS variant types, which are to be treated as PVMAT/document plan items

### 3. Development

# SAP Product and Process Governance by BDF – Guided Structure Copy

## 1. Requirements

- Transaction OPPE02: Define iPPE node type [CMP]
- Transaction OPPE03: Define iPPE variant types [CMP]
- Transaction OPPE05: iPPE node type relationship [CMP]
- Transaction OPPE06: iPPE node & variant type relationship [CMP]
- Transaction OPPE11: iPPE profile definition [CMP]

## 2. Customising

Transaction /BDFPLM/IMG:

PCC Area – General – Extensions – iPPE Structure Context Menu – **iPPE Structure Context Menu – Additional Functions**

Contextmenu for iPPE

Profil	Obj.Type	PVS Type	Prio	Anzeige	Beschreibung	Funktion	Funktionsbaustein
<input type="checkbox"/> BE01	N Knot...	EBOM_HDR	111	U Ändern	Geführte Strukturkopie	Z_FC_STRUCT_BUILDER	/BDFPLM/PCC_FC_STRUCT_BUILDER

The function guided structure copy is activated for a node type and a DCC project profile. This is then subsequently executable via the context menu in the iPPE.

## 3. Development



# SAP Product and Process Governance by BDF – Data Inheritance

## 1. Requirements

- Transaction OPPE02: Define iPPE node type [CMP]
- Transaction OPPE03: Define iPPE variant types [CMP]
- Transaction OPPE05: iPPE node type relationship [CMP]
- Transaction OPPE06: iPPE node & variant type relationship [CMP]
- Transaction OPPE11: iPPE profile definition [CMP]

## 2. Customising

Transaction OPPE12:

Classification tab with corresponding inheritance buttons  
/BDFPLM/DCC\_NODE\_CLS, alternative screen /BDFPLM/PCC\_CL\_DATA

Transaction /BDFPLM/IMG:

### PCC Area - General - Classification - **Transfer of the classification to PPG objects**

Übernahme der Klassifizierung für DCC Objekten										
Profil	ObjTyp	Objektart	Verknüpfung	KindObjArt	Richtung	VaterKlart	Übernehmen	Kind Klart	Klasse	Wertübern.
<input type="checkbox"/>	BE01	N Knot...	TOS_ASM	NOD Kn...	nach unten (über Klasse)	053	<input checked="" type="checkbox"/>	053	TOS_NODE	Werte überschreiben
<input type="checkbox"/>	BE01	N Knot...	TOS_ASS	NOD Kn...	nach unten (über Klasse)	053	<input checked="" type="checkbox"/>	053	TOS_NODE	Werte überschreiben
<input type="checkbox"/>	BE01	N Knot...	TOS_PRT	VAR Va...	nach unten (über Klasse)	053	<input checked="" type="checkbox"/>	056	TOS_DPP	Werte überschreiben
<input type="checkbox"/>	BE01	N Knot...	TOS_STR	NOD Kn...	nach unten (über Klasse)	053	<input checked="" type="checkbox"/>	053	TOS_NODE	Werte überschreiben
<input type="checkbox"/>	BE01	V Vari...	T_VDOC	DOC Do...	nach unten (über Klasse)	056	<input type="checkbox"/>	017		Werte überschreiben
<input type="checkbox"/>	BE01	V Vari...	T_VMAT	MAT Ma...	nach unten (über Klasse)	056	<input checked="" type="checkbox"/>	001		Werte überschreiben
<input type="checkbox"/>	DCCFS	N Knot...	ZDOKU_HD	NOD Kn...	A nach unten (über Klasse) & von ob...	053	<input checked="" type="checkbox"/>	053	Z_DCC_DOCU_00	Werte überschreiben
<input type="checkbox"/>	DCCFS	N Knot...	ZDOKU_ST	NOD Kn...	A nach unten (über Klasse) & von ob...	053	<input checked="" type="checkbox"/>	053	Z_DCC_DOCU_01	Werte überschreiben

## 3. Development

# SAP Product and Process Governance by BDF – Change Manatement

## 1. Requirements


- Transaction OPPE02: Define iPPE node type [CMP]
- Transaction OPPE03: Define iPPE variant types [CMP]
- Transaction OPPE05: iPPE node type relationship [CMP]
- Transaction OPPE06: iPPE node & variant type relationship [CMP]
- Transaction OPPE11: iPPE profile definition [CMP]
- Use of the change number on PSV objects

## 2. Customising

Transaction /BDFPLM/IMG:

### PCC Area - General - Change Management - BDF Engineering Change Management (ECH) - **List of the customised tables for BDF Engineering Change Management**

Liste der angepassten Tabellen für BDF Änderungsdien

ECH Tabellenname	
<input type="checkbox"/> /BDFPLM/DCCFADOC	
<input type="checkbox"/> /BDFPLM/DCCFAMAT	
<input type="checkbox"/> /BDFPLM/DCCFAPN	
<input type="checkbox"/> /BDFPLM/DCCFAPV	
<input type="checkbox"/> /BDFPLM/DCCPNCMP	
<input type="checkbox"/> /BDFPLM/DCCPPEDT	
<input type="checkbox"/> /BDFPLM/DCCPVDOC	
<input type="checkbox"/> /BDFPLM/DCCPVMAT	
<input type="checkbox"/> /BDFPLM/DCCPVPL	
<input type="checkbox"/> /BDFPLM/PCCREL01	
<input type="checkbox"/> /BDFPLM/PCCRELAT	

### PCC Area - General - Change Management - BDF Engineering Change Management (ECH) - **Control of the BDF Engineering Change Management**

Steuerung des BDF Änderungsdienst

ECH Tabellenname	Tabellennamen	Aufl.	Mußfeld	Zähler
<input type="checkbox"/> /BDFPLM/DCCFAPN	/BDFPLM/PCC_ECH5	BDF Änderungsdienst ist nicht aktiv	<input type="checkbox"/>	1
<input type="checkbox"/> /BDFPLM/DCCFAPV	/BDFPLM/PCC_ECH6	BDF Änderungsdienst ist nicht aktiv	<input type="checkbox"/>	1
<input type="checkbox"/> /BDFPLM/DCCPNCMP	/BDFPLM/PCC_ECH2	BDF Änderungsdienst ist nicht aktiv	<input type="checkbox"/>	1
<input type="checkbox"/> /BDFPLM/DCCPPEDT	/BDFPLM/PCC_ECH4	BDF Änderungsdienst ist nicht aktiv	<input type="checkbox"/>	1
<input type="checkbox"/> /BDFPLM/DCCPVDOC	/BDFPLM/PCC_ECH3	BDF Änderungsdienst ist nicht aktiv	<input type="checkbox"/>	1
<input type="checkbox"/> /BDFPLM/DCCPVMAT	/BDFPLM/PCC_ECH3	BDF Änderungsdienst ist nicht aktiv	<input type="checkbox"/>	1
		BDF Änderungsdienst ist nicht akti		
		1 Historie nach Sequenz		
		2 Historie nach Gültig-ab-Datum		

## 3. Development

# SAP Product and Process Governance by BDF – Upload & Interfaces

## 1. Requirements

- Transaction OPPE02: Define iPPE node type [CMP]
- Transaction OPPE03: Define iPPE variant types [CMP]
- Transaction OPPE05: iPPE node type relationship [CMP]
- Transaction OPPE06: iPPE node & variant type relationship [CMP]
- Transaction OPPE11: iPPE profile definition [CMP]

## 2. Customising

SAP iPPE & PGG objects can be generated file-based. Separate customising in addition to the transaction authorisation for the upload tool is not necessary for this. The transaction is: /BDFPLM/DCC\_LOAD\_STR

The CAD interface is to be defined via the following customising:

Transaction /BDFPLM/IMG:

### MCC Area - Material Control Center - CAD Integration - Rules for transferring DOC BOM into IPPE

Dialogstruktur	Regeln für Übernahme DOC BOM ins iPPE												
	Profil	Art	Reserve	Without Doc.Vers	Skip	Kn.Type	Var.Type	Doc to Node	Doc to PosVar	Classification	Top Down	Down Up	Synchronise iPPE
Regeln für Übernahme DOC BOM	<input type="checkbox"/>	BE01	3DA	INV:A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EBOM_ASM	E_VMAT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regeln für Übernahme DOC BO	<input type="checkbox"/>	BE01	3DA	PRO:A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EBOM_ASM	E_VMAT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regeln für Übernahme DOC BO	<input type="checkbox"/>	BE01	3DA	SLW:A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EBOM_ASM	E_VMAT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	BE01	3DP	INV:P	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EBOM_PRT	E_VMAT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	BE01	3DP	PRO:P	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EBOM_PRT	E_VMAT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	BE01	3DP	SLW:P	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EBOM_PRT	E_VMAT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## 3. Development

Individual behaviours of the CAD interface can be individually integrated and extended in the CAD interface in the development area.

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