

# How to correct the integrated margins

How to get the correct integrated margins when the material does not have the correct procurement code

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## The case to solve

When the special procurement code is wrong into RCS, the computation of the integrated margin is wrong. Even if the correction is done in RCS, it is no more possible to have a retroactive computation in RCS. So the only way to have correct values in BW, is to correct directly in BW.

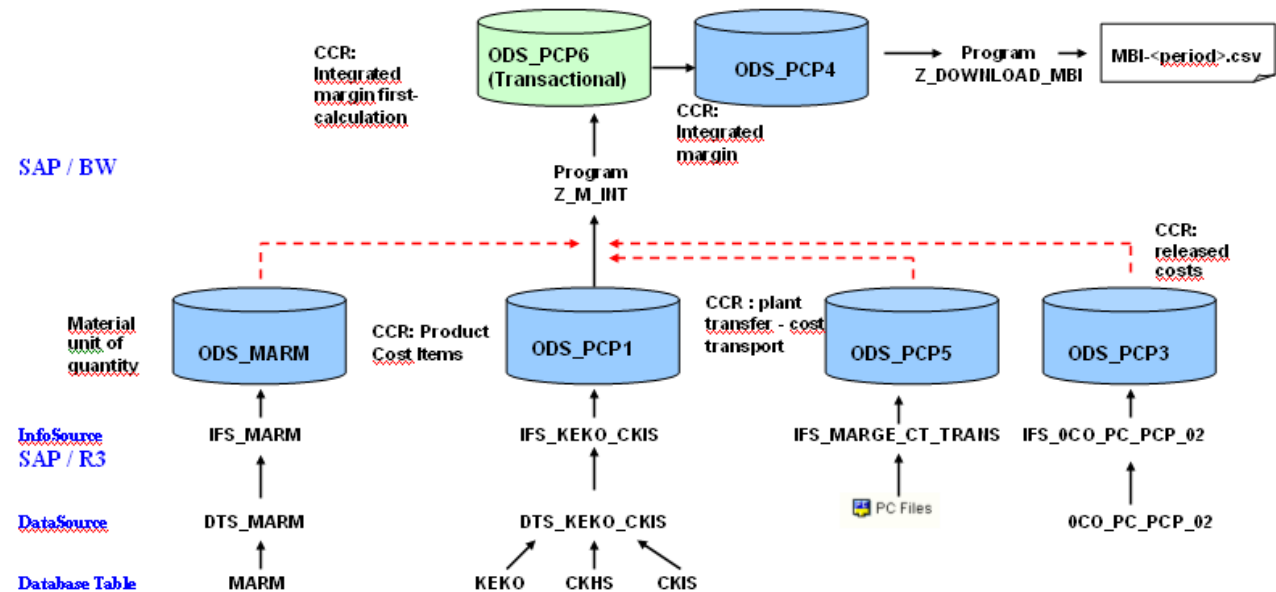
To do this, all the process has to replay, starting from the extraction of the "CCR". The different steps are described below:

1. To extract once again the CCR in the PSA
2. To correct the PSA in order to put the correct setting
3. Launch the computation process
4. Generate the file for BO
5. Load the file into BO

For the example, we are going to correct the setting of the material 72841 in the plant 0228 for the March costing period. The material is built in the plant 7822 and sell from the plant 0228.

Because the procurement code was wrong for this material, we do not have the correct information for the issuing plant. This is this setting which have to correct.

## The data flow



## The procedure

1. To extract once again the CCR in the PSA

Before to start the extraction, you have to know the following information:

Costing date (0COSTDATE) = 01.03.2010

Material number (C\_MATNR) = 72841

Plant (OPLANT) = 0228

The data have to be loaded in the ODS\_PCP1 form the DTS\_KEKO\_CKIS but only in the PSA

CCR: Product Cost Items	ODS_PCP1	Manage	
ODSO ODS_PCP1 -> ODSO ODS_PCP1	0MA23QD9M7G9UW3...	Change	
ODS_PCP1 IFS_KEKO_CKIS	3XZH7BQH5KEAKZGY...	Change	
CCR Items	IFS_KEKO_CKIS	Change	InfoSources
from Cost components for WVP1	DTS_KEKO_CKIS	Change	
Cost components	DTS_KEKO_CKIS	Change	DataSources WVP1_400
DTS_KEKO_CKIS	ZPAK_4H22COURIIM12...	Schedule	DataSources
IFS_KEKO_CKIS FULL Period	ZPAK_4284DY5MUME...	Schedule	DataSources

Once the infopackage is open, you have to enter the correct selection:

InfoPackage: DTS\_KEKO\_CKIS(ZPAK\_4H22COURIIM120FE0NESD808C)

InfoSource: CCR Items(IFS\_KEKO\_CKIS)

DataSource: Cost components(DTS\_KEKO\_CKIS)

Data Type: Transaction Dat

Source System: WVP1 Client 400(WVP1\_400)

Last Changed By: S8053083 Date: 10.12.2010 Time: 17:24:15

Data Selection Processing Data Targets Update Schedule

Load transaction data from the source system

Enter Selections (Optional):

InfoObject	Technical Na	Description	From Value	To Value	Ty	De	Type (Variab	R	Data	Field L	Conver
C_KALNR	KALNR	Cost Estimate Number							NUMC	12	
0COSTDATE	KADKY	Costing Date (Key)	01.03.2010						DATS	8	
0COSTVAR	BWVAR	Valuation Variant in C							CHAR	3	
C_MATNR	MATNR	Material Number	72841						CHAR	20	MATN1
0PLANT	ZH_WERKS	Plant	7822						CHAR	4	
0PLANT	ZH_WERKS	Plant	0228						CHAR	4	
	KADAT	Costing Date From							DATS	8	
	BIDAT	Costing Date To							DATS	8	
0FISCYEAR	BDATJ	Posting date YYYY							NUMC	6	GJAHR
0FISCPER3	PPER	Posting period							NUMC	3	
	FEH_STA	Costing Status							CHAR	2	

Check  Use Conversion Routine

Be sure now that the data will be loaded in the PSA only.

InfoPackage	DTS_KEKO_CKIS(ZPAK_4H22COURIIM120FE0NESD808C)				
InfoSource	CCR Items(IFS_KEKO_CKIS)				
DataSource	Cost components(DTS_KEKO_CKIS)				
Data Type	Transaction Dat				
Source System	WP1_Client 400(WP1_400)				
Last Changed By	S8053083	Date	10.12.2010	Time	13:34:38

Consistency check for characteristic values in transfer rules

Update Data...

PSA and then into Data Targets (Package by Package)  
 PSA and Data Targets in Parallel (Package by Package)  
 Only PSA       Update Subsequently in Data Targets  
 Data Targets Only

2. To correct the PSA in order to put the correct setting

First you have to check if the data loading is well finished into the PSA, go to the monitor for this.

The screenshot shows the SAP Monitor interface. The left pane displays a tree view of monitoring objects:

- Monitor
  - 08.12.2010
  - 10.12.2010
    - WP1\_400 (WP1 Client 400)
      - successful (1)
        - 13:xx o'clock
          - IFS\_KEKO\_CKIS (CCR Items)
            - DTS\_KEKO\_CKIS
              - 13:34:32 (24 From 24 Records)

The right pane shows the 'PSA maintenance (Ctrl+F8)' dialog box with the following content:

Header: PSA maintenance (Ctrl+F8)

Total:


Technical: All IDocs processed successfully

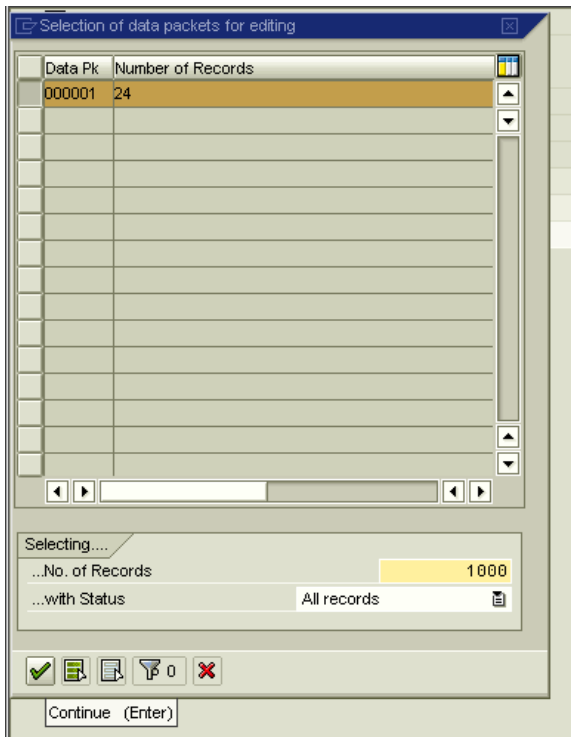
Request successfully loaded into PSA - start further update

Diagnosis  
The request has as data target "only PSA". It arrived there successfully.

System Response  
The request has not yet been updated into the data targets.

Procedure  
You can now trigger the update manually. The final target is determined in the request tables. You do not have to make any further settings.

Select the loading and click on the "PSA Maintenance" button , the following screen will appear.




Click on the continue button to have the list of all the records which are in the PSA

### Maintenance of PSA Data Request *REQU\_1PWYM5WYFBMXAZPX2UJX9E0*

Change (F7)	Units ente	Unit costi	Material	Plant	Valuation	Issuing Plant	Valuation	Controllin	Production	Bill of ma	BOM usage	Alternativ	Lot St	Unit of ...	Fiscal yea	Posting pe
ZFO	1		000000000000118746	7822	7822	7822		Z006	KTR1	00073567	1	01	1.000	KG	2010	11
ZFO	2			7822	7822	7822		Z006	KTR1	00073567	1	01	1.000	KG	2010	11
ZFO	3			7822	7822	7822		Z006	KTR1	00073567	1	01	1.000	KG	2010	11
ZFO	4			7822	7822	7822		Z006	KTR1	00073567	1	01	1.000	KG	2010	11
ZFO	5			7822	7822	7822		Z006	KTR1	00073567	1	01	1.000	KG	2010	11
ZFO	6			7822	7822	7822		Z006	KTR1	00073567	1	01	1.000	KG	2010	11
ZFO	7			7822	7822	7822		Z006	KTR1	00073567	1	01	1.000	KG	2010	11
ZFO	8			7822	7822	7822		Z006	KTR1	00073567	1	01	1.000	KG	2010	11
ZFO	9			7822	7822	7822		Z006	KTR1	00073567	1	01	1.000	KG	2010	11
ZFO	10			7822	7822	7822		Z006	KTR1	00073567	1	01	1.000	KG	2010	11
ZFO	11			7822	7822	7822		Z006	KTR1	00073567	1	01	1.000	KG	2010	11
ZFO	12			7822	7822	7822		Z006	KTR1	00073567	1	01	1.000	KG	2010	11
ZEP	1			0228	0228	7822		Z001					1.000	KG	2010	11
ZFO	1		000000000000072841	7822	7822	7822		Z006	POC1	00048790	1	01	1.000	TO	2010	11
ZFO	2			7822	7822	7822		Z006	POC1	00048790	1	01	1.000	TO	2010	11
ZFO	3			7822	7822	7822		Z006	POC1	00048790	1	01	1.000	TO	2010	11
ZFO	4			7822	7822	7822		Z006	POC1	00048790	1	01	1.000	TO	2010	11
ZFO	5			7822	7822	7822		Z006	POC1	00048790	1	01	1.000	TO	2010	11
ZFO	6			7822	7822	7822		Z006	POC1	00048790	1	01	1.000	TO	2010	11
ZFO	7			7822	7822	7822		Z006	POC1	00048790	1	01	1.000	TO	2010	11
ZFO	8			7822	7822	7822		Z006	POC1	00048790	1	01	1.000	TO	2010	11
ZFO	9			7822	7822	7822		Z006	POC1	00048790	1	01	1.000	TO	2010	11
ZFO	10			7822	7822	7822		Z006	POC1	00048790	1	01	1.000	TO	2010	11
ZEP	1			0228	0228	0228		Z001					1.000	TO	2010	11

Now, you have to identify which record to correct. In our example it is the record for the plant 0228 which have to come from plant 7822. But in the selected record, you can see that issuing plant is not 7822 but again 0228.

Once the record is selected, click on the  button to edit the record and move until to see the field to correct (Issuing Plant).



## Monitor - Administrator Workbench

The screenshot shows the 'Monitor - Administrator Workbench' interface. On the left, a tree view displays the following structure:

- Monitor
  - 08.12.2010
  - 10.12.2010
    - WP1\_400 (WP1 Client 400)
      - successful (1)
        - 13 : xx o/c
          - IFS\_KEKO\_CKIS (CCR Items)
            - DTS\_KEKO\_CKIS
              - 13:34:32 (24 From 24 Records)

The right pane shows the 'Details' tab with the following information:

- Total: All Docs processed successfully
- Technical: All Docs processed successfully
- Request successfully loaded into PSA - start further update
- Diagnosis: The request has as data target "only PSA". It arrived there successfully.
- System Response: The request has not yet been updated into the data targets.
- Procedure: You can now trigger the update manually. The final target is determined in the request tables. You do not have to make any further settings.

At the bottom of the details pane, there are buttons for 'Process manually' and 'Step-by-Step Analysis'.

To load the corrected data to the ODS\_PCP1, the PSA has to be processed manually.

To do this click on the  button.

The following message will appear.

The screenshot shows an 'Information' dialog box with the following content:

- Information
- Further update of request from PSA started:
- Buttons: [OK] [Cancel]

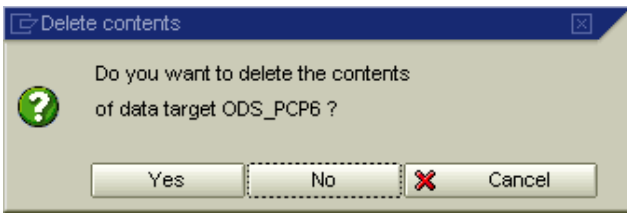
Click on the Continue button and refresh the monitor until to have the loading successfully ended.

## Monitor - Administrator Workbench

The screenshot shows the 'Monitor - Administrator Workbench' interface. The tree view on the left is the same as in the previous screenshot, but the 'DTS\_KEKO\_CKIS' node is now selected and highlighted in blue. The details pane on the right is partially obscured by a large, semi-transparent image of a building's structural frame.

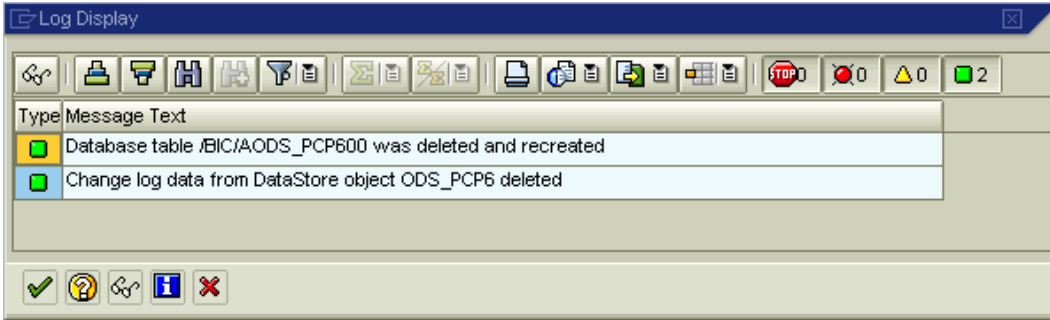
Before to launch the computation, be sure that the request is well activated in the ODS\_PCP1





To empty the ODS\_PCP6, you have to click on the Yes button.

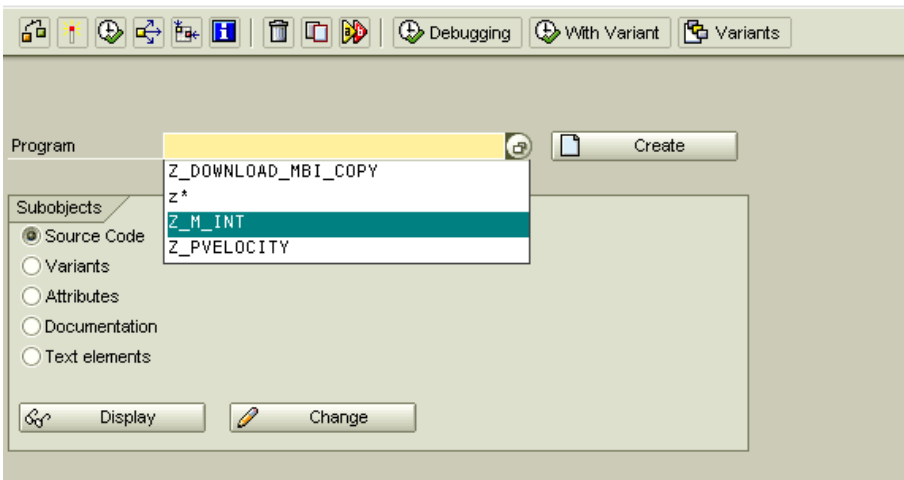
Once the ODS is empty, the following screen will appear:



Once the ODS\_PCP6 is empty, the program can be launch.

Launch the se38 transaction and select the Z\_M\_INT program.

### ABAP Editor: Initial Screen



Then click on the execute button or type on the F8 key on the keyboard.

### ABAP Editor: Initial Screen



The following selection screen will appear.

Select the correct period to compute the integrated margin, 003.2010 in our example.

## Integrated Margin : ODS transactional loading

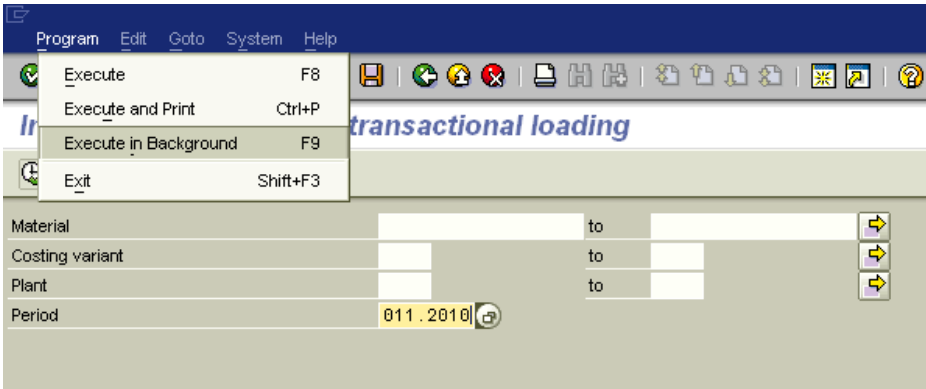
Material: [ ] to [ ]

Costing variant: [ ] to [ ]

Plant: [ ] to [ ]

Period: 003.2010

Then launch the program in background after chose this option in the menu.



Once the program has been launched in background, with the sm37 transaction

## Job Overview

Job overview from: 10.12.2010 at: : :  
 to: 10.12.2010 at: : :  
 Selected job names: \*  
 Selected user names: S8053083

Scheduled  Released  Ready  Active  Finished  Canceled  
 Event controlled Event ID:  
 ABAP program Program name :

Job	Ln	Job Created	Status	Start date	Start time	Duration(sec.)	Delay (sec.)
BIBCTL_6I2PLQAW1M6Q72K8PLDQ3496		S8053083	Finished	10.12.2010	08:19:15	1	0
BIBCTL_6I2PLQAW1M6Q72K8PLDQ3496		S8053083	Finished	10.12.2010	08:19:15	1	0
BIBCTL_6I2PLQAW1M6Q72K8PLDQ3496		S8053083	Finished	10.12.2010	08:19:21	1	0
BIBCTL_6I2PLQAW1M6Q72K8PLDQ3496		S8053083	Finished	10.12.2010	08:19:21	1	0
BIBCTL_6I2PLQAW1M6Q72K8PLDQ3496		S8053083	Finished	10.12.2010	08:19:28	1	0
BIBCTL_6I2PLQAW1M6Q72K8PLDQ3496		S8053083	Finished	10.12.2010	08:19:28	1	0
BIBCTL_6I2PLQAW1M6Q72K8PLDQ3496		S8053083	Finished	10.12.2010	08:19:34	1	0
BIBCTL_6I2PLQAW1M6Q72K8PLDQ3496		S8053083	Finished	10.12.2010	08:19:34	0	0
BIBCTL_6I2PLQAW1M6Q72K8PLDQ3496		S8053083	Finished	10.12.2010	08:19:40	0	0
BIBCTL_ESKHM7CJST76X1DDKWUKDDHEC		S8053083	Finished	10.12.2010	13:52:43	2	0
BIBCTL_ESKHM7CJST76X1DDKWUKDDHEC		S8053083	Finished	10.12.2010	13:52:49	0	0
BIREQU_4K4629ECNE503L05EVRNR0V6		S8053083	Finished	10.12.2010	08:17:40	10	0
RSIMPCURR		S8053083	Finished	10.12.2010	00:10:18	23	18
RSIMPCURR		S8053083	Finished	10.12.2010	00:15:18	5	18
SEBCAST_PMP_0241		S8053083	Finished	10.12.2010	11:00:23	2	23
SEBCAST_PMP_0246		S8053083	Finished	10.12.2010	11:01:23	1	23
SEBCAST_PMP_0248		S8053083	Finished	10.12.2010	11:02:23	1	23
SEBCAST_PMP_0263_0269_0294		S8053083	Finished	10.12.2010	11:03:23	1	23
SEBCAST_PMP_0267		S8053083	Finished	10.12.2010	11:04:23	1	23
SEBCAST_PMP_7315		S8053083	Finished	10.12.2010	11:06:23	1	23
SEBCAST_PMP_CHARLOTTE_NIXON		S8053083	Finished	10.12.2010	11:07:23	1	23
SEBCAST_PMP_DOUG_KNAUER		S8053083	Finished	10.12.2010	11:08:23	1	23
Z_DOWNLOAD_MBI_COPY		S8053083	Finished	10.12.2010	08:50:36	46	0
Z_M_INT		S8053083	Active	10.12.2010	13:56:50	9	0
Z_M_INT		S8053083	Finished	10.12.2010	06:58:57	3.958	0

Once the program is finished, the Active line in the job overview screen will change to Finished:

## Job Overview

Job overview from: 10.12.2010 at: : :  
 to: 10.12.2010 at: : :  
 Selected job names: \*  
 Selected user names: S8053083

Scheduled  Released  Ready  Active  Finished  Canceled  
 Event controlled Event ID:  
 ABAP program Program name :

Job	Ln	Job CreatedB	Status	Start date	Start time	Duration(sec.)	Delay (sec.)
BIBCTL_6I2PLQAWT1M6Q72K8PLDQ349G		S8053083	Finished	10.12.2010	08:19:15	1	0
BIBCTL_6I2PLQAWT1M6Q72K8PLDQ349G		S8053083	Finished	10.12.2010	08:19:15	1	0
BIBCTL_6I2PLQAWT1M6Q72K8PLDQ349G		S8053083	Finished	10.12.2010	08:19:21	1	0
BIBCTL_6I2PLQAWT1M6Q72K8PLDQ349G		S8053083	Finished	10.12.2010	08:19:21	1	0
BIBCTL_6I2PLQAWT1M6Q72K8PLDQ349G		S8053083	Finished	10.12.2010	08:19:28	1	0
BIBCTL_6I2PLQAWT1M6Q72K8PLDQ349G		S8053083	Finished	10.12.2010	08:19:28	1	0
BIBCTL_6I2PLQAWT1M6Q72K8PLDQ349G		S8053083	Finished	10.12.2010	08:19:34	1	0
BIBCTL_6I2PLQAWT1M6Q72K8PLDQ349G		S8053083	Finished	10.12.2010	08:19:34	0	0
BIBCTL_6I2PLQAWT1M6Q72K8PLDQ349G		S8053083	Finished	10.12.2010	08:19:40	0	0
BIBCTL_E5KHM7CJST76X1DDKWUKDDHEC		S8053083	Finished	10.12.2010	13:52:43	2	0
BIBCTL_E5KHM7CJST76X1DDKWUKDDHEC		S8053083	Finished	10.12.2010	13:52:49	0	0
BIREQU_4K4629ECNE503CL05EVRNR0VG		S8053083	Finished	10.12.2010	08:17:40	10	0
RSIMPCURR		S8053083	Finished	10.12.2010	00:10:18	23	18
RSIMPCURR		S8053083	Finished	10.12.2010	00:15:18	5	18
SEBCAST_PMP_0241		S8053083	Finished	10.12.2010	11:00:23	2	23
SEBCAST_PMP_0246		S8053083	Finished	10.12.2010	11:01:23	1	23
SEBCAST_PMP_0248		S8053083	Finished	10.12.2010	11:02:23	1	23
SEBCAST_PMP_0263_0269_0294		S8053083	Finished	10.12.2010	11:03:23	1	23
SEBCAST_PMP_0267		S8053083	Finished	10.12.2010	11:04:23	1	23
SEBCAST_PMP_7315		S8053083	Finished	10.12.2010	11:06:23	1	23
SEBCAST_PMP_CHARLOTTE_NIXON		S8053083	Finished	10.12.2010	11:07:23	1	23
SEBCAST_PMP_DOUG_KNAUER		S8053083	Finished	10.12.2010	11:08:23	1	23
Z_DOWNLOAD_HBI_COPY		S8053083	Finished	10.12.2010	08:50:36	46	0
Z_M_INT		S8053083	Finished	10.12.2010	06:58:57	3.958	0
Z_M_INT		S8053083	Finished	10.12.2010	13:56:50	3.241	0

At this moment, the computation is finished but the data are not yet ready to send to BO. You have to send them to the ODS\_PCP4.

Using the 8ODS\_PCP6 infopackage, you will load the result of the last computation to the final ODS.

## Data Warehousing Workbench: Modeling

The screenshot shows the SAP Data Warehousing Workbench Modeling view. The left pane displays a tree structure of InfoSources. The right pane shows a list of InfoSources with columns for Tech. Name, M..., Execute Function, Display Tree, and Obj... Of. The selected InfoSource is FULL PCP4.

InfoSource	Tech. Name	M...	Execute Function	Display Tree	Obj... Of
80DSFIAP3	80DSFIAP3		Change		
80DSFIAP5	80DSFIAP5		Change		
80DSFIAPR	80DSFIAPR		Change		
80DS_CHG2	80DS_CHG2		Change		
80DS_CHG4	80DS_CHG4		Change		
80DS_DCF	80DS_DCF		Change		
80DS_FI04	80DS_FI04		Change		
80DS_KNV3	80DS_KNV3		Change		
80DS_MALO	80DS_MALO		Change		
80DS_MARM	80DS_MARM		Change		
80DS_OPA7	80DS_OPA7		Change		
80DS_PCP5	80DS_PCP5		Change		
80DS_PCP6	80DS_PCP6		Change		
from CCR: Integrated marg for WBP (E	80DS_PCP6	...	Change		
CCR: Integrated margin first-calcul	80DS_PCP6		Change	DataSources	
FULL PCP4	ZPAK_412ULQBHVS1...		Schedule	DataSources	

There is only one infopackage to load all the content of ODS\_PCP6.

Launch the loading immediately

## Scheduler (Maintain InfoPackage)

Process Chain Maint.

InfoPackage	FULL PCP4(ZPAK_412ULQBHVS1P2CWBJR22PXKC)		
InfoSource	(8ODS_PCP6)		
DataSource	CCR: Integrated margin first-calculation(8ODS_PCP6)		
Data Type	Transaction Dat		
Source System	WBP (BMW Production) - Client 400(WBP_400)		
Last Changed By	S8053083	Date	10.12.2010
		Time	08:17:40

Data Selection | Processing | Data Targets | Update | Schedule

Start Data Load Immediately  
 Start Later in Background

Job Name Prefix/Suffix: BI\_BTCH

Scheduling Options

Gantt Diagram (Plan.Table) | Subsequent Process.

Request Batch Process Runs Until All Data Has Been Updated in BW

Process chains containing this InfoPackage

Start | Job(s)

When the loading will be finished and the request activated, the computation step is finished.

6. Generate the file for BO

To generate the file, the program Z\_DOWNLOAD\_MBI has to be launched with the se38 transaction.

## ABAP Editor: Initial Screen

Debugging | With Variant | Variants

Program: Z\_DOWNLOAD\_MBI | Create



Subobjects


Source Code  
 Variants  
 Attributes  
 Documentation  
 Text elements

Display | Change

Click on the execute button  and the selection screen will appear:

### Z\_DOWNLOAD\_MBI

Plant Type  NDIR to  


QTY in KG

Create File

Choose the period

Period :

Load last period too ?

Sending of E-Mail  


Delete File

Period :

Enter the correct period, 003.2010 in our example.

Uncheck the "Load last period too" checkbox because we just want to generate the file for only the one month.

(By default, in WBP on the date of 26/03/2021, plant type NDIR is excluded).

Click on the execute button 

When the file is generated, you will have a screen which give you the number of records which have inserted in the file.

To check if the file is properly generated, you can launch the al11 transaction.

## SAP-Directories ( 10.12.2010 22:53:31 WBP frparbw2 )

Name of Directory Parameter	Directory
DIR_GRAPH_LIB	/sapmnt/WBP/exe
DIR_HOME	/usr/sap/WBP/D10/work
DIR_INSTALL	/usr/sap/WBP/SYS
DIR_INSTANCE	/usr/sap/WBP/D10
DIR_LIBRARY	/sapmnt/WBP/exe
DIR_LOGGING	/usr/sap/WBP/D10/log
DIR_MEMORY_INSPECTOR	/usr/sap/WBP/D10/data
DIR_ORAHOME	
DIR_PAGING	/usr/sap/WBP/D10/data
DIR_PUT	/usr/sap/put
DIR_PERF	/usr/sap/tmp
DIR_PROFILE	/usr/sap/WBP/SYS/profile
DIR_PROTOKOLLS	/usr/sap/WBP/D10/log
DIR_REORG	/usr/sap/WBP/D10/data
DIR_ROLL	/usr/sap/WBP/D10/data
DIR_RSYN	/sapmnt/WBP/exe
DIR_SAPHOSTAGENT	/usr/sap/hostctrl
DIR_SAPUSERS	./
DIR_SETUPS	/usr/sap/WBP/SYS/profile
DIR_SORTTMP	/usr/sap/WBP/D10/data
DIR_SOURCE	/usr/sap/WBP/SYS/src
DIR_TEMP	/tmp
DIR_TRANS	/usr/sap/trans
DIR_TRFILES	/usr/sap/trans
DIR_TRSUB	/usr/sap/trans
DIR_EXPLOIT	/exploit
DIR_CIS	/exploit/BW/CIS

Then go to the DIR\_CIS folder and sort in the LastChange field by descending order

### Directory : /exploit/BW/CIS

Usea...	Viewed	Changed	Length	Owner	Lastchange	Lastchange	File Name
X	<input checked="" type="checkbox"/>		4029137	wbpadm	10.12.2010	20:31:55	MBI-2010003.csv
X			4220216	wbpadm		09:14:58	MBI-2010008.csv
X			4286624	wbpadm		08:51:21	MBI-2010009.csv
X			4470599	wbpadm		08:51:11	MBI-2010010.csv

The generated file is named MBI-yyyyymm.csv, in our example, the file MBI-2010003.csv is the last file generated in the server.

At this step the file is generated and is available

7. Load the file into BO

New procedure : to be apply at September, 5th (Reverse Shadow) :

Make a child freshdesk tickets for BO team to load the data on BO database about integrated margin.

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▼ **Child Tickets**

[Create Child](#)

No child tickets found

Old procedure :

To load the file generated into the BO database, send an email to DE-ZEEUW, Laurence and ask them to reload the integrated margins file(s) from BW.

You have to rename the file(s).