

# IAC 01.01. Costing model validation

Process: [Product Costing](#)

Responsibility area: [Internal Control Monitor](#)

## Risk

Wrong fixed cost absorption in inventory, plant costing model do not comply with group rules

## Objective

[Service Unit Management accounting](#) control plant costing model yearly update

## Process description

Costing model is the document which explains the way fixed costs and depreciations are allocated to product costing in order to determine the cost of sales and inventory valuation. FRA are in charge of preparing the costing model based on the budget using the respective template of WP2 or provided by SU MAC (e.g. extract of the cycle structure for PF2).

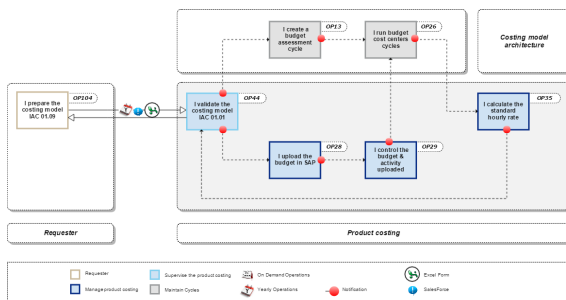
The instruction notes to complete the template of WP2, **under FRA responsibility**, are below:

[Costing Model - FRA preparation](#)

FRA asks for the validation of the GCCO.

## Control description

[Service Unit Management Accounting](#) reviews through a checklist, costing models prepared by each Finance responsible assigned (FRA) of his/her zone and the respective update in SAP done by Service Unit Management accounting. SU MAC is making sure that costing model has been reviewed and validated by the GCCO for each plant in the scope of internal control



## Scope

WP2 / PF2

Frequency

Due date : January

Control owner

Service Unit Management accounting - Costing user by region

## References

**Error rendering**

**macro**

**'contentbylabel'**

parameters should

not be empty

## Content by label

There is no content with the specified labels

## Control evidences

[IAC 01.01 Validation of costing model by SU MAC.xlsx](#)

- Checklist
- Costing model - Provided by FRA
- Validation from GCCO - Provided by FRA

[Costing Model - FRA preparation](#) <<  
IAC 01.01. Costing model validation  
>> [OP.013](#) & [OP.028](#)

**Guideline**

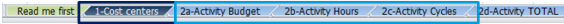
**Download the file [IAC 01.01 Costing Model](#)**

The check list refers to the template that must be completed by the FRA of each production site - [IAC 01.01. Costing model](#)

There is a link between Costing Model file & IAC 01.01

Costing Model file	IAC 01.01
Tab 1-Cost centers	Column B
Tab 2a-Activity Budget	Column C
Tab 2a-Activity Hours	Column D
Tab 2a-Activity Cycles	Column E

**IAC 01.09**



**IAC 01.01**

RCOM Checklist IAC 01.01

	1				2			Validation			Comments	Contact	Last control	
	1	2a	2b	2c	WP1	PM	GCCO	RCOM						
Europe														
ES Biadna	✓	✓	✗	✓	✓	✗	✗	✗			here is a mistake in the tab 2b	xxx@solvay.com	12-11-2015	
FR Belle-Etoile	✓	✓	✓	✓	✓	✓	✓	✓				xxx@solvay.com	15-11-2015	
FR Butachimie Champé												xxx@solvay.com		
FR Chalange												xxx@solvay.com		
FR Clamecy												xxx@solvay.com		
FR Collonges												xxx@solvay.com		
FR La Rochelle												xxx@solvay.com		
FR Melle												xxx@solvay.com		
FR Roussillon												xxx@solvay.com		

Make sure all production sites (2) in your scope (1) are listed with its contact (3)

	1				2			Validation			Comments	Contact	Last control
	1	2a	2b	2c	WP1	PM	GCCO	RCOM					
Asia													
China													
CH Chengde												PAN, Jun	
CH Chengde												YANG, peng	
CH Feixiang												ZHOU, xiaoyan	
CH Likang												YANG, peng	
CH Liyang												PAN, Jun	
CH Shanghai												LI, Ada	
CH Zhangjiagang												ZHANG, kevin	
CH Zhenyuan (normal)												XU, lin	
CH Zhenyuan (new area)												ZHAO, ...	
CH ZHU												...	
IN Pars												PITHA, ...	
KR Incheon												CHOI, ...	
KR Onse												Han, Ji	

✓ Make sure you received all Costing Model file templates in your scope by November D10  
Do not hesitate to send reminders in advance or/and plan meetings and calls with each FRA when you feel it is necessary

Once you receive the file [IAC 01.01. Costing model](#) sent by a FRA, you must perform several controls

**READ ME FIRST**

1. Check that all fields highlighted in yellow are completed
2. Check that you have the approval of the the plant manager & the GCCO to get their approval (3)

## IAC.01.09 - Costing Model



Check list - Yellow fields must be completed before submission to the RCOM

Plant code	7605	Save the file with the name	
Plant name	Incheon	2015_JAC 01.09_7605 Incheon SILICA	
Year	2015		
Currency	KRW		
GBU	SILICA	Compulsory for multi GBU's plants	
1-Cost centers	OK		
2-Activity rates			
2a-Budget	OK		
2b-Hours	OK		
2c-Cycles	OK		
3-Validation	OK		

Read me first 1-Cost centers 2a-Activity Budget 2b-Activity Hours 2c-Activity Cycles

### 1-COST CENTERS

1. Check that all fields are completed

Cost C	Cost C	Description	First	Last	Status	Profit cent	Responsib	Group
7525	7603-1001	EPO Compounding	johan	CHOI	Active	Correct	Correct	EPRODX WORKSHOP
7525	7603-1021	AAO AA Semi Production 1	johan	CHOI	Active	Correct	Correct	EPRODX WORKSHOP
7525	7603-1051	PVO AA Salt Production	johan	CHOI	Active	Correct	Correct	EPRODX WORKSHOP
7525	7603-1052	PVO Polymerization	johan	CHOI	Active	Correct	Correct	EPRODX WORKSHOP
7525	7603-1101	EPO Blending	johan	CHOI	Active	Correct	Correct	EPRODX WORKSHOP
7525	7603-1201	EPO Packing	johan	CHOI	Active	Correct	Correct	EPRODX WORKSHOP
7525	7603-1211	AAO AA Packing	johan	CHOI	Active	Correct	Correct	EPRODX WORKSHOP
7525	7603-1232	PVO Packing CNP & AMO	johan	CHOI	Active	Correct	Correct	EPRODX WORKSHOP
7525	7603-1400	EPO Utility	johan	CHOI	Active	Correct	Correct	ECPIX VARIABLE COSTS
7525	7603-1402	EPO CN Production/Packing	johan	CHOI	Active	Correct	Correct	ECPIX VARIABLE COSTS
7525	7603-1421	AAO STEAM	johan	CHOI	Active	Correct	Correct	ECPIX VARIABLE COSTS
7525	7603-1422	AAO compressed air	johan	CHOI	Active	Correct	Correct	ECPIX VARIABLE COSTS
7525	7603-1423	AAO Water	johan	CHOI	Active	Correct	Correct	ECPIX VARIABLE COSTS
7525	7603-1424	AAO Electricity	johan	CHOI	Active	Correct	Correct	ECPIX VARIABLE COSTS
7525	7603-1425	AAO Waste Water Treatment	johan	CHOI	Active	Correct	Correct	ECPIX VARIABLE COSTS
7525	7603-1426	AAO Incinerator	johan	CHOI	Active	Correct	Correct	ECPIX VARIABLE COSTS

Read me first 1-Cost centers 2a-Activity Budget 2b-Activity Hours 2c-Activity Cycles 2d-Activity TOTAL

### 2A-ACTIVITY BUDGET

1. Check that all fields are completed

Cost centers	Description	Cost elements	CNP Budget CNP	Additional CNP CNP	Normal capacity CNP
7897-1101	Synth. Purif CF1-CF2	Labor costs dir	98320100	3,242.623	3,242.623
7897-1101	Synth. Purif CF1-CF2	Other CNP	98300041	7,390.789	7,390.789
7897-1101	Synth. Purif CF1-CF2	Maintenance	98300207	4,663.271	4,663.271
7897-1302	GUAIACOL PRODUCTION	Labor costs dir	98320100	794.470	794.470
7897-1302	GUAIACOL PRODUCTION	Other CNP	98300041	1,567.523	1,567.523
7897-1302	GUAIACOL PRODUCTION	Maintenance	98300207	709.584	709.584
7897-1401	IBCH	Labor costs dir	98320100	808.826	808.826
7897-1401	IBCH	Other CNP	98300041	1,382.610	1,382.610
7897-1401	IBCH	Maintenance	98300207	393.145	393.145
7897-1501	Flavor	Labor costs dir	98320100	1,007.498	1,007.498
7897-1501	Flavor	Other CNP	98300041	1,813.631	1,813.631
7897-1501	Flavor	Depreciation	98340100	7,244.222	7,244.222
7897-1501	Flavor	Maintenance	98300207	775.000	775.000

Read me first 1-Cost centers 2a-Activity Budget 2b-Activity Hours 2c-Activity Cycles 2d-Activity TOTAL

### 2B-ACTIVITY HOURS

1. Check that all fields are completed
2. Control the calculation of the normal capacity

Cost centers	Activities	Hours					Normal capacity (h)
		Planned maintenance	Intercampaign changeovers	Included in recipe Oyes / 1 mo	(*1)Other constraints	Number of production lines	
7603-1021 AAO AA Semi Production 1	MMWHQ	480		1		1	8.280
	MACHI	480		1		1	8.280
	AMO	480		1		1	8.280
7603-1221 AAO AA Packing	MMWHQ	480		1		1	8.280
	MACHI	480		1		1	8.280
	AMO	480		1		1	8.280
7603-1051 PVO AA Salt Production	MMWHQ	420		1		1	8.340
	MACHI	420		1		1	8.340
	AMO	420		1		1	8.340
7603-1052 PVO Polymerization	MMWHQ	420		1		2	16.680
	MACHI	420		1		2	16.680
	AMO	420		1		2	16.680

Read me first 1-Cost centers 2a-Activity Budget 2b-Activity Hours 2c-Activity Cycles 2d-Activity TOTAL

- Other constraints must be explained : it can only be technical constraints (usually bottlenecks)
- Number of hours for planned

- maintenance should be reasonable
- c. Compare with the previous year

**i** In case of doubt, do not hesitate to ask the FRA for more details. If the calculation of the normal capacity doesn't follow the standard, you can ask the FRA to change the calculation. If you need help you can contact a process expert.

**2C-ACTIVITY CYCLES**

1. Check that all fields are completed
2. Make sure that it is simple (= significant & rounded figures)

Cost centers	7603-1021	7603-1221	7603-1051	7603-1052	7603-1252	7603-1001	7603-1201
7603-1001 EPO Compounding						100	
7603-1021 AAO AA Semi Production 1	100						
7603-1051 PVO AH Salt Production			100				
7603-1052 PVO Polymerisation				100			
7603-1101 EPO Blending						100	
7603-1201 EPO Packing							100
7603-1221 AAO AA Packing		100					
7603-1252 PVO Packing CNP & AMO					100		
7603-1400 EPO Utility						100	
7603-1402 EPO CP Production/Packing						100	
7603-1421 AAO STEAM	100						
7603-1422 AAO Compressed air	100						

**STEP 1**

Once a file is completed you send it to group email for each region : [GBS\\_Finance\\_Management\\_Acc\\_Bangkok@syensqo.com](mailto:GBS_Finance_Management_Acc_Bangkok@syensqo.com)  
[GBS\\_Finance\\_Management\\_Acc\\_Curitiba@syensqo.com](mailto:GBS_Finance_Management_Acc_Curitiba@syensqo.com)  
[GBS\\_Finance\\_Management\\_Acc\\_Lisbon@syensqo.com](mailto:GBS_Finance_Management_Acc_Lisbon@syensqo.com)

They will :

- Upload the budget in the system
- Create the assessment cycle
- Calculate the standard rates

**STEP 2**

**You can also update the check list for the IAC 01.01**

Just update the columns with "Y" if the information is correctly completed or "N" if it is not.

RCOM Checklist IAC 01.01										
1	2			WPI	Validation			Comments	Contact	Last control
	2a	2b	2c		PM	GCCO	RCOM			
Asia										
CH Baotou	✓	✓	✓	✓	✗	✓	✓	✗	File sent to the BO	xxx@solvay.com

**i** When there are changes in the cost centers structure, you must inform the person in charge

[Request the modification of a cost center](#)

I am informed once the standard rates are calculated in the system

**You must compare the activity rates calculated in the system with what is in the file sent by the FRA**

In SAP, you must use the transaction KSBT

In the file IAC 01.01, use the tab : 2b-Activity TOTAL



When the model is too complex, the simulation made in the excel file doesn't work then you have to make further investigation

**STEP 1**

**Open the transaction KSBT**

Enter :

1. The group of cost centers (usually the plant code)
2. Version = 0
3. Enter the fiscal year
4. From Period 1 to 12

Execute



**Activity Type Price Report: Initial Screen**

Selection Options

Cost Center  
Cost Center Group: 7603 (1)

Activity Type  
Activity Type Group: (2)

Selection Parameters  
Version: 0 (2)  
Fiscal Year: 2015 (3)  
From Period: 1 (3) to 12 (4)  
Price Indicator: 1  
Price Unit: 1

Display Only Activity Prices Used for Allocation  
 Display All Selected Prices

**STEP 2**

**Activity Type Price Report**

1. List of cost centers
2. Activity types
3. Price per hour



Make sure you selected the activity price in **object currency** otherwise you must change the layout

You can export the file in excel

**Activity Type Price Report: Overview Screen**

Cost Center Group: 7603  
Activity Type: 0  
Version: 2015  
Period: 1 To 12  
Price unit: 1

Cost Center	Cost ctr short text	ActTyp	A..	ObCur	Fix+vbl.price	OCrCy
7603-1001	EPO Compounding	AMO	H	KRW	30,430	
	EPO Compounding	MACHI	H	KRW	118,338	
	EPO Compounding	MANHO	H	KRW	62,845	
7603-1021	AAO AA Semi Prod1	AMO	H	KRW	538,647	
	AAO AA Semi Prod1	MACHI	H	KRW	940,942	
	AAO AA Semi Prod1	MANHO	H	KRW	503,502	
7603-1051	PYO AH Salt Prod.	AMO	H	KRW	27,218	
	PYO AH Salt Prod.	MACHI	H	KRW	11	
	PYO AH Salt Prod.	MANHO	H	KRW	916	
7603-1052	PYO Polymerization	AMO	H	KRW	168,585	
	PYO Polymerization	MACHI	H	KRW	271,403	
	PYO Polymerization	MANHO	H	KRW	166,067	
7603-1201	EPO Packing	AMO	H	KRW	263	
	EPO Packing	MACHI	H	KRW	0	

**STEP 3**

**Compare the activity rates with the tab : 2b-Activity TOTAL**

If there are discrepancies, you must make further investigations

**Activity Type Price Report: Overview Screen**

Description	Normal capacity KRW	7603-1021	7603-1221
Depreciation	9,499,600.000	4,460,000.000	91,500.000
Labor costs dir	10,406,000.000	4,169,000.000	-
Labor costs ind	-	-	-
Maintenance	17,984,000.000	7,791,000.000	-
Other CNP	-	-	-
AMMO	9,499,600.000	4,460,000.000	91,500.000
MACHI	17,984,000.000	7,791,000.000	-
MANHO	10,406,000.000	4,169,000.000	-
AMMO		8,280	8,280
MACHI		8,280	8,280
MANHO		8,280	8,280
AMMO		538,647	11,051
MACHI		940,942	-
MANHO		503,502	-

Layout: 2b-Activity Hours | 2c-Activity Cycles | 2d-Activity TOTAL

**STEP 4**

**2A-ACTIVITY BUDGET**

Compare the budget loaded in the system (you can use the t-code S\_ALR\_87013611) with the budget sent by the FRA

IAC 01.09

**BUDGET - KP07**

Cost centers	Description	Cost elements	CNP Budget KRW	Additional CNP KRW	Normal capacity KRW
7603-1021	AA Direct Labor	9832000	4,169,000.000		4,169,000.000
	AA Ind. Labor + M + D	98300007	7,523,000.000	268,000.000	7,791,000.000
	LAB AMO	98340000	4,460,000.000		4,460,000.000
7603-1221	AA Packing AMO	98340000	91,500.000		91,500.000
7603-1051	AH Salt direct labor.	98320000	438,000.000		438,000.000
	AH Salt AMO	98340000	227,000.000		227,000.000
7603-1052	Polymer direct labor	98320000	2,770,000.000		2,770,000.000
	Polymer Ind. Labor + M + D	98300007	4,238,000.000	201,000.000	4,539,000.000
	Polymer AMO	98340000	2,812,000.000		2,812,000.000
7603-1201	EP Packing AMO	98340000	400,000.000		400,000.000
7603-1001	EP Compounding Labor	98320000	3,009,000.000		3,009,000.000
	EP Ind. Labor + M + D	98300007	5,485,000.000	201,000.000	5,686,000.000
	EP AMO	98340000	1,407,000.000		1,407,000.000
7603-1201	EP Packing AMO	98340000	2,100.000		2,100.000

Read me first | Edit | Print | 2a-Activity Budget | 2b-Activity Hours | 2c-Activity Cycles | 2d-Activity TOTAL

S\_ALR\_87013611

**S\_ALR\_87013611**

Cost Center: Actual/Plan/Variance Date: 19.04.2015

Cost Center/Group: 7603-1021 AAO AA Prod  
Person responsible: S001194  
Reporting period: 1 to 12 2015

Cost Element	Act. Cycle	Plan Cycle
98320000	PERSONAL/INDIRECT	4,169,000.000
98300007	INDIRECT LABOR	7,791,000.000
98340000	EP SEMI-FINISHED ASSET	4,460,000.000
	DEBIT	16,420,000.000

## 2B-ACTIVITY HOURS

Compare the hours loaded in the system (you can use the t-code S\_ALR\_87013611) with the hours sent by the FRA

IAC01.09

Cost center	Activities	Hours				Normal capacity %	
		Planned maintenance	Overcapacity	Included in budget	Number of production items		
7603-0001	AKO AS Item Production I	MARHO	480	-	1	1	8,380
		MACH	480	-	1	1	8,380
		MACH	480	-	1	1	8,380
7603-1202	AKO AS Packing	MARHO	480	-	1	1	8,380
		MACH	480	-	1	1	8,380
		MACH	480	-	1	1	8,380
7603-0001	PVC AS Ink Production	MARHO	420	-	1	1	8,380
		MACH	420	-	1	1	8,380
		MACH	420	-	1	1	8,380
7603-0001	PVC Polymerization	MARHO	420	-	1	1	8,380
		MACH	420	-	1	1	8,380
		MACH	420	-	1	1	8,380
7603-1202	PVC Packing	MARHO	420	-	1	1	8,380
		MACH	420	-	1	1	8,380
		MACH	420	-	1	1	8,380
7603-0001	EPG Compounding	MARHO	360	420	1	4	47,880
		MACH	360	420	1	4	47,880
		MACH	360	420	1	4	47,880
7603-1202	EPG Packing	MARHO	360	420	1	1	8,380
		MACH	360	420	1	1	8,380
		MACH	360	420	1	1	8,380

S\_ALR\_87013611

Start	End	Actual/Planned/Released	Date
			15-04-2018

Cost Center Group	7603-1202	AKO AS Item Production I
Responsible Person	5001134	
Reporting Period	3-18	12-2018

Activity Type	Actv. Activity	Normal Capacity %
MARHO	MARHO - Polymerization	8,380.00 %
MACH	MACH - PVC AS Ink Production	8,380.00 %
MACH	MACH - PVC Polymerization	8,380.00 %
MACH	MACH - PVC Packing	8,380.00 %

## General presentation

### Objective of the application

Tool Leader + IT leader of the application:

### Usage information

### History

## Roles & Access

### Roles and access

List of application role + menu role and explanation if we have several applications role with specials rules.

Role Code	Role Description	Explanation
ZR_RCS_CA_M731	CT - COSTA Transactions	Role to have access to transaction <b>ZBW_CUST_COSTA</b>

### Authorization objects

List of autorisation objects mandatory for the application.

Authorization object	Explanation

## Dataflow overview

Reporting documentation drive folder:

<https://drive.google.com/drive/folders/0B0qn89R0RGdqYkZZOFZyYXIXVKE>

Example of dataflow overview :

Template Application name DataFlow

Functional and Technical rules on Workbench + Reporting

**Flat files loading - Transaction ZBW\_CUST\_COSTA**

Order Capex Opex

Percentage inflation

Zero Based Budgeting

Resp. Cost Center Determination

**Cluster GBU**

**Group of function**

Rules & Explanations

Dependencies with other applications

**Data loadings**

Info providers and objects loaded

Loading frequency

Average performance

Key Figure	Estimation
~ Average Process Chain Runtime	
~ Average nb of rows loaded per load	
~ Total nb of rows loaded (if full)	
~ Average Runtime for 10k lines	

Record Keeping

**Reporting**

Queries End User Documentation

Main queries

## Main functionalities

Broadcast

## Maintenance

Known bugs

Recurring procedure

Planned Evolution

### STEP 5

Inform the person who calculated the standard in the system if there is a mistake in the system

I inform the requester that the standard rates are in the system

### STEP 1

Once the standard rates of a plant are loaded in WP2 and approved you must update the check list

RCOM Checklist IAC 01.01										
1	2			Validation			Comments	Contact	Last control	
	2a	2b	2c	WP1	PM	GCCO/RCOM				
Asia										
CH Baotou	✓	✓	✓	✓	✓	✓	Fully completed	xxx@solvay.com		05-12-2015

### STEP 2

Once the check list is fully completed for your scope, you must upload in the dedicated folder in the IAC controls repository

RCOM Checklist IAC 01.01										
1	2			Validation			Comments	Contact	Last control	
	2a	2b	2c	WP1	PM	GCCO/RCOM				
China										
CH Baotou	✓	✓	✓	✓	✓	✓	Fully completed	xxx@solvay.com		05-12-2015
CH Chengyang	✓	✓	✓	✓	✓	✓	Fully completed	xxx@solvay.com		06-12-2015
CH Feixiang	✓	✓	✓	✓	✓	✓	Fully completed	xxx@solvay.com		07-12-2015
CH Licang	✓	✓	✓	✓	✓	✓	Fully completed	xxx@solvay.com		08-12-2015
CH Liyang	✓	✓	✓	✓	✓	✓	Fully completed	xxx@solvay.com		09-12-2015
CH Shanghai	✓	✓	✓	✓	✓	✓	Fully completed	xxx@solvay.com		10-12-2015
CH Zhangjiagang	✓	✓	✓	✓	✓	✓	Fully completed	xxx@solvay.com		11-12-2015
CH Zhenjiang (Aroma)	✓	✓	✓	✓	✓	✓	Fully completed	xxx@solvay.com		12-12-2015
CH Zhenjiang (Novecare)	✓	✓	✓	✓	✓	✓	Fully completed	xxx@solvay.com		13-12-2015
CH Zhuhai	✓	✓	✓	✓	✓	✓	Fully completed	xxx@solvay.com		13-12-2015

Use transaction ZWFAR600 to extract the cycles for the year that is ending.

### Cycle Master Data Extraction Report

[H]Cycle -strt wth oper area	<input checked="" type="checkbox"/>	<input type="text"/>	to	<input type="text"/>	
[H]Start Date		<input type="text"/>	to	<input type="text"/>	
[H]Text language		EN			
[H]Valid To		<input type="text"/>	to	<input type="text"/>	
[H]Created on		<input type="text"/>	to	<input type="text"/>	
[H]Date of last change		<input type="text"/>	to	<input type="text"/>	
[H]Date of the last exec		<input type="text"/>	to	<input type="text"/>	
[H]Type of allocation		<input type="text"/>	to	<input type="text"/>	
[H]Actual/plan indicator		<input type="text"/>	to	<input type="text"/>	
[S]Locked		<input type="text"/>	to	<input type="text"/>	

Choose the following variant "COSTING MODEL"

Variant name	Short Description	Environme... P
RESTR CYCLES	Restructuring cycles	A
<b>COSTING MODEL</b>	<b>Costing model extraction</b>	A

Updating the cycles and start date

### Cycle Master Data Extraction Report

[H]Cycle -strt wth oper area	<input checked="" type="checkbox"/>	FO01cccc*	to	<input type="text"/>	
[H]Start Date		01.01.2020	to	31.12.2020	
[H]Text language		EN			
[H]Valid To		<input type="text"/>	to	<input type="text"/>	
[H]Created on		<input type="text"/>	to	<input type="text"/>	
[H]Date of last change		<input type="text"/>	to	<input type="text"/>	

Cycle should be completed like this:

Multiple Selection for [H]Cycle -strt w

Select Single Values (2)

O. Single value	<input checked="" type="checkbox"/>	FO01CCCC*
	<input checked="" type="checkbox"/>	CHEFCCCC*

- FO01CCCC\*: for COPA cycles
- CHEFCCCC\*: for Assessment cycles

Start date, to be completed with the full year that is just ending

And now, transaction can be executed to get the following view

[H]Cycle	Valid From	[H]Cycle text	L	[H]Valid To	S	Created on	[H]Entered by	Changed On	Changed by	Seg...	Segment	[S]Segment text	L	Sender %	Assess. CE	[S]
CHEF4056BN	01.01.2020	Bonus accrual - Social Charges	EN	31.12.2020	3	11.11.2019	PT400078	06.03.2020	PT400078	1	4056BONUS	alloc social charges R33310		3,00	9629200201	
CHEF4056BN	01.01.2020	Bonus accrual - Social Charges	EN	31.12.2020	3	11.11.2019	PT400078	06.03.2020	PT400078	1	4056BONUS	alloc social charges R33310		3,00	9629200201	
CHEF4056BN	01.01.2020	Bonus accrual - Social Charges	EN	31.12.2020	3	11.11.2019	PT400078	06.03.2020	PT400078	2	4056BONU...	alloc social charges R33310		3,00	9629200201	
CHEF4056BN	01.01.2020	Bonus accrual - Social Charges	EN	31.12.2020	3	11.11.2019	PT400078	06.03.2020	PT400078	2	4056BONU...	alloc social charges R33310		3,00	9629200201	

Below see the details of this report:

The report is designed in PF2 & WP2 to extract CO cycle master data with standard ALV layout, which is compatible for kinds of cycles, including:

- COPA Actual assessment cycle
- COPA Plan assessment cycle (not used in RCS)
- Cost center Actual Assessment cycle
- Cost center Plan Assessment cycle
- Cost center Actual Distribution cycle
- Cost center Plan Distribution cycle

## Column label in report output

As a cycle consists of kinds of information at header / segment level, and in each segment, there are fields for sender / receiver respectively, and even for receiver side, the percentage split can be applied for multi-receiver objects.

So, to facilitate identifying the column nature and improve the report understandability, a prefix is assigned for each column label:

- '[H]' stands for header level data, for example '[H]Cycle'.
- '[S]' stands for segment general data, for example '[S]Segment Name'.
- '[S-S]' stands for segment sender data, for example '[S-S]Sender Cost Center / grp'
- '[S-R]' stands for segment receiver data, for example '[S-R]IECRA'
- '[S-T]' stands for segment receiver (or sender) multi objects split data, for example '[S-T] Factor Value'.

[H]Table	[H]Cycle	[H]Start Date	[H]Cycle text	[H]Text language	[S]Segment number	[S]Segment Name	[S]Segment text
CCSS	Z0010228MA	01.01.2005	test maintenance externe	EN	1	MAINTFOR	external maintenance gorzow
CCSS	Z001BEP101	01.01.2002			1	WATER1	
CCSS	Z001BEP101	01.01.2002			2		
CCSS	Z001BEP				3		
CCSS	Z001BEP				4		
CCSS	Z001BEP101	01.01.2002			5	USTEAM1	
CCSS	Z001BEP101	01.01.2002			6	UOTHER1	

## Two options available in output

As a cycle allows for the percentage split in the case of multi receiver objects, it makes difficult to show all information in a single output with good understandability.

With this consideration, 2 output options are designed:

**Output Options**

Standard output

Extended output with multi-object split

- Standard output
  - Each row represents a unique segment in a cycle, showing cycle header data / segment general data / sender data / receiver data.

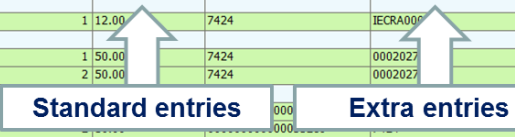
- But multi-object split info is excluded here.
- Column with '[S-T]' prefix in label is not available in the option.
- Extended output with multi-object split
  - This layout is recommended ONLY when user needs to check the multi-object split percentage.
  - Column with '[S-T]' prefix in label is feed in the option.
  - All multi-object split info is showed as extra rows, means, all rows showed in Standard layout will be showed here as well exactly, but append some extra rows which are dedicated to show the multi-object split info. In other words, Extended output = Standard output + extra entries for multi-object split info.

## Coloring the entries for multi-object split info

- In Extended output with multi-object split, the extra entries for split info is highlighted in light green color. See below picture for example.
- PS: Another way to differentiate the extra entries is to use one of below 2 columns:
- [S-T] Sender / Receiver Indicator. When it is not Null, it's the extra entries.
- [S-T] Item Number. When it is not Null, it's the extra entries.

Cycle master data extraction report

[S]Segment number	[S]Segment Name	[S-T]Sender / Receiver Indicator	[S-T]Item Number	[S-T]Factor Value	[S-T]Element1	[S-T]Element2	[S-T]Element3	[S-T]Element4
1	100							
1	100	R	1	10.00	7424	IECRA00006		
1	100	R	2	30.00	7424	IECRA00008		
1	100	R	3	20.00	7424	IECRA00009		
1	100	R	4	40.00	7424	IECRA00011		
2	110							
2	110	R	1	12.00	7424	IECRA00012		
3	115T							
3	115T	R	1	50.00	7424	0002027	000237	IECRA00011
3	115T	R	2	50.00	7424	0002027	000237	IECRA00012
4	115							
4	115	R			000		000398	0002027650
4	115	R			000		000398	0002027650
4	115	R	3	10.00	00000000000053289	7424	0002000398	0002027650
4	115	R	4	10.00	00000000000053289	7424	0002000398	0002027650
4	115	R	5	10.00	00000000000053289	7424	0002000398	0002027650



## Tips to know the cycle category

Below 3 columns can be used to understand the feature of certain cycle.

- **[H]Table**, to know it's cost center or COPA cycle
  - CCSS -- Cost center cycle
  - CE7Z0xx -- COPA cycle (Z0xx is the operation concern code)
- **[H]Actual/plan indicator**, to know it's Actual or Plan cycle.
  - I -- Actual
  - P -- Plan
- **[H]Type of allocation**, to know it's Assessment or Distribution cycle.
  - U -- Assessment
  - V -- Distribution
  - L -- Indirect activity allocation
  - ... etc.

## Receiver / Sender multi-objects split

- In WP1, the percentage split is widely used at receiver side for multi-object case. But in some limited case, a specific amount is given to individual cost elements to restrict the allocation at sender side. For the both cases, in the report output, the information will be showed in the same columns with prefix '[S-T]'.
- For users, to know the split information is for receiver or sender, column '[S-F]Sender / Receiver Indicator' can answer,
  - when the value is 'R', the entry is for receiver factor,
  - when the value is 'S', the entry is for sender factor.

### Cycle master data extraction report

[S-R]MAGNITUDE Market	[S-T]S...	Seq...	[S-T]Factor Value	[S-T]Element1	[S-T]Element2	[S-T]Element3	[S-T]Element4
	R	1	20.00	0195-1000			
	R	2	50.00	0195-1100			
	R	3	10.00	0195-1110			
	R	4	10.00	0195-1200			
	R	5	5.00	0195-1300			
	F	6	5.00	0195-1400			
				0195-1000			
				0195-1100			
				0195-1110			
	R	4	10.00	0195-1200			
	R	5	5.00	0195-1300			
	R	6	5.00	0195-1400			

**R means receiver**

### Combine 'from' 'to' 'group' into one field

- When creating a cycle, to specify sender / receiver, user can input 'from' only to show a single object, or input 'from' and 'to' to show a range, or even use 'group' to show a collection list.
- In order to reduce the column quantity in the report output, the information in 'from' 'to' 'group' is combined into one single column.

### Cycle master data extraction report

[S-R]Order Number	[S-R]Cost Center / grp	[S-R]Product number
<b>A group</b>	0228-FCE	
	0195-1000 to 0195-1300	
	0195-1000 to 0195-1300	
	0195-1000	
<b>Single object</b>	0195-1000	
	0195-1000 to 0195-1300	
	0195-1000 to 0195-1400	
<b>From... to...</b>	0195-1000 to 0195-1300	
	0195-2000	

### '[H]Cycle' code start with operation concern

- When put cycle code as selection criteria, please start with the operation concern code then follow by cycle code, as this is the way SAP store the cycle master data in tables.
- As a tip, all below options work

**Operating concern + cycle code**

[H]Cycle -strt wth oper area: \*026816000 to

[H]Start Date: 01.01.2015 to

[H]Text language: EN

**Operating concern + "\*"**

[H]Cycle -strt wth oper area: \*026\* to

[H]Start Date: 01.01.2015 to

[H]Text language: EN

**"\*" + cycle code**

[H]Cycle -strt wth oper area: \*816000 to

[H]Start Date: 01.01.2015 to

[H]Text language: EN

**No selection**

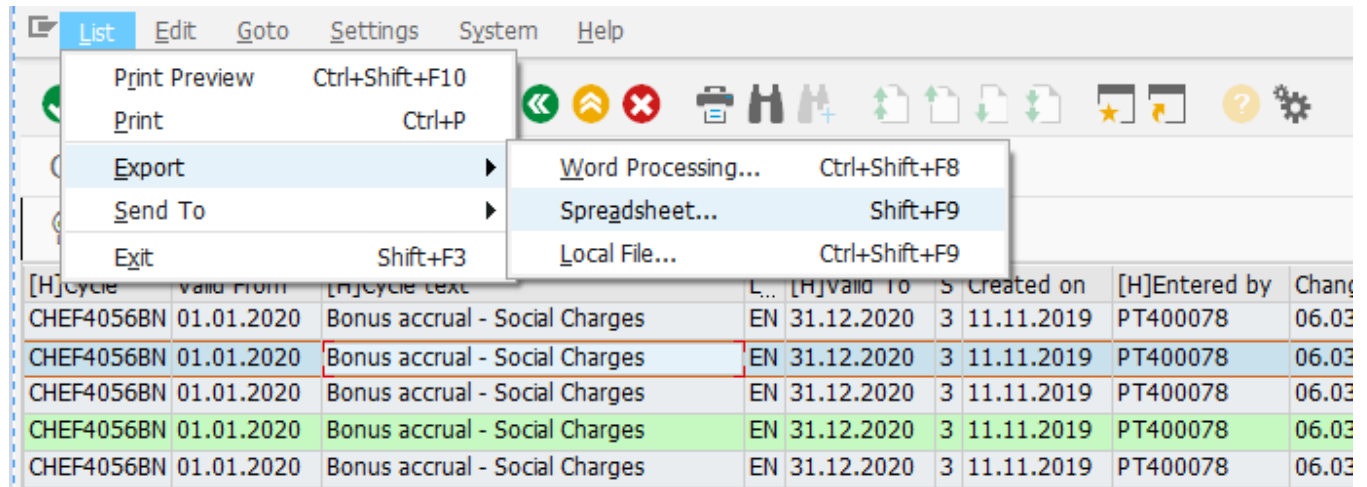
[H]Cycle: to

[H]Start Date: to

[H]Text language: EN

When transaction ZWFAR600 is executed and you have the list of all cycles, it is time to extract to excel.

1) Go to List Export Spreadsheet



This excel document will be the COSTING MODEL of your company.

1) Send through Solvay One the COSTING MODEL extracted in previous step to the FRA/Controller to be used in the review of the cycles for the new year

After the review, I receive from FRA the cycle changes for the new year.

- With the changes highlighted in the COSTING MODEL
- Or, changes detailed in the freshdesk

Depending on the type of cycle, I use KSU2, KEU2, KSV2

**STEP 1**

Start the transaction using transaction code KSU2

**i** Change Actual Assessment Cycle: Initial Screen

*Change Actual Assessment Cycle: Initial Screen*

Cycle

Start Date

**STEP 2**

Enter the cycle code and the starting date

and

*Change Actual Assessment Cycle: Initial Screen*

Cycle

Start Date

**i** If you don't know the Starting Date, do not insert the date,  and choose the most recent one.

STEP 3

Open the Segment Overview dialog box



**Change Actual Assessment Cycle: Header Data**

First segment Attach segment

Controlling Area: CEEF ERP SOLVAY  
 Cycle: 0125ID Status: Saved  
 Start Date: 01.01.2015 To: 31.12.2015  
 Text: Indirect Cycle

Indicators:  Iterative,  Cumulative,  Cumulated Opt  
 Field Groups:  Object Currency,  Transaction Currency

STEP 4

Select the segment to be updated and choose

Or create a new segment by clicking

Attach segment

**Change Actual Assessment Cycle: Header Data**

Segment Overview

Cycle	Name	Text	Sort Field	S	Sender Rule	R	Rec Rule	Scale	Lock
ZU17400000	General services			1	Posted amou..	3	Fixed perce..		
ZU17450000	General services			1	Posted amou..	3	Fixed perce..		
ZU17460000	General services			1	Posted amou..	3	Fixed perce..		
ZU10510000	Maintenance			1	Posted amou..	1	Variable po..	1	
ZU10520000	Maintenance			1	Posted amou..	1	Variable po..	1	
ZU1260000A	ENVIRONNEMENT			1	Posted amou..	3	Fixed perce..		
ZU1260001F	ENVIRONNEMENT			1	Posted amou..	3	Fixed perce..		
ZU1260003K	ENVIRONNEMENT			1	Posted amou..	3	Fixed perce..		
ZU1260004A	ENVIRONNEMENT			1	Posted amou..	3	Fixed perce..		
ZU1270002A	SAFETY HYGIENE			1	Posted amou..	3	Fixed perce..		
ZU1270000A	SAFETY HYGIENE			1	Posted amou..	3	Fixed perce..		
ZU10410000	Technical assistance			1	Posted amou..	3	Fixed perce..		
ZU11120000	Internal logistic			1	Posted amou..	3	Fixed perce..		
ZU111210000	Internal logistic			1	Posted amou..	3	Fixed perce..		
ZU14110000	Laboratory (quality contr..			1	Posted amou..	3	Fixed perce..		

No. of Segments: 21

Attach Segment

STEP 5

Make the appropriate changes to the segment as required

Please see KSU1 - Create Actual Assessment Cycle to better understand the changes that can be performed.

**Change Actual Assessment Cycle: Segment**

Controlling Area: CEEF ERP SOLVAY  
 Cycle: 0125ID Indirect Cycle  
 Segment Name: ZU17400000 General services Lock indicator

Segment Header Senders/Receivers Sender Values Receiver Tracing Factor

Sender	From	To	Group
Cost Center	ZU17400000		
Cost Object			
Cost Element			
Receiver			
Order			
Cost Center			0125IDCC
Cost Object			
WBS Element			
Business entity			
Property			
Building			
Settlement unit			

You can lock a segment, by checking the lock indicator box


Lock indicator

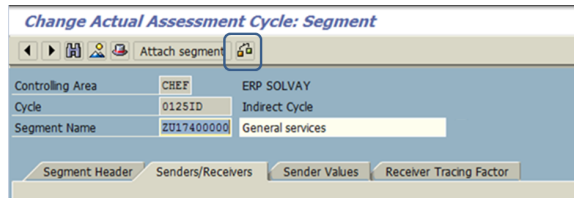
**Change Actual Assessment Cycle: Segment**

Controlling Area: CEEF ERP SOLVAY  
 Cycle: 0125ID Indirect Cycle  
 Segment Name: ZU17400000 General services Lock indicator

Segment Header Senders/Receivers Sender Values Receiver Tracing Factor


**STEP 6**

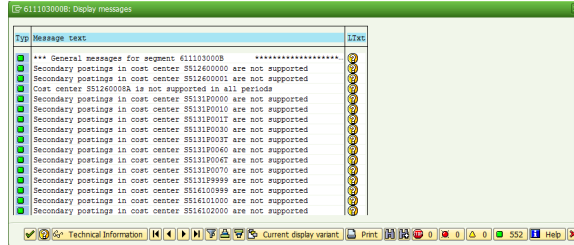
After the appropriate changes to the segment, click on  , to do a Formal Check.




If there is any errors you need to analyse and correct.

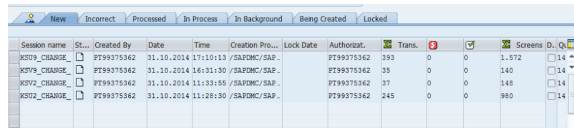


Disregard Warnings 



**STEP 7**

After the appropriate changes and the formal check Save  .



**STEP 8**

It is also possible to perform mass changes on cycles in terms of dates.

To do so, please contact IS Team by the appropriate tool, requesting the creation of a LSWM and providing the respective list of the cycles to be changed.

Afterwards, IS Team will request to process the batches sessions created for this purpose.



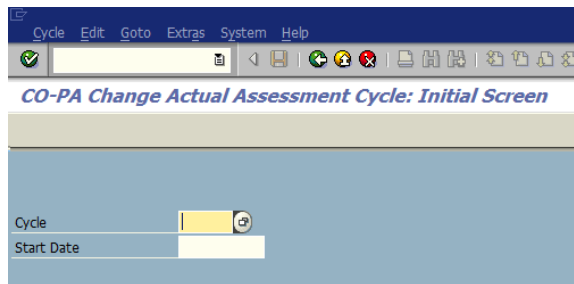
Before starting, make sure you are in the right operating concern with KEBC - [Setting Operating concern](#). List of operating concern : Rules - CO structure

**STEP 1**

Start the transaction using transaction code KEU2



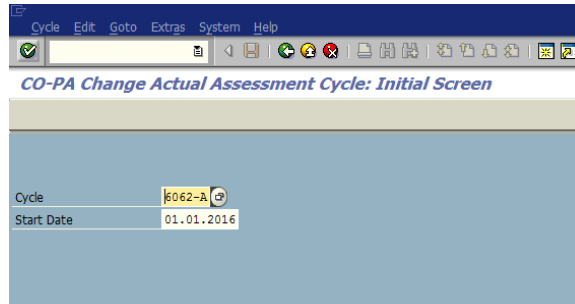
CO-PA Change Actual Assessment: Initial Screen



**STEP 2**

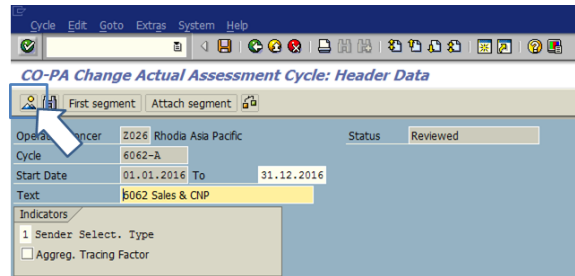
Enter the cycle code and the starting date

and 



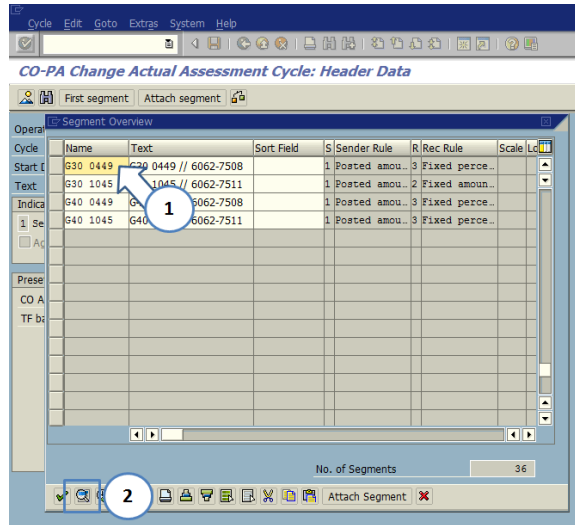
**STEP 3**

Open the Segment Overview dialog box



**STEP 4**

Select the segment to be updated and choose

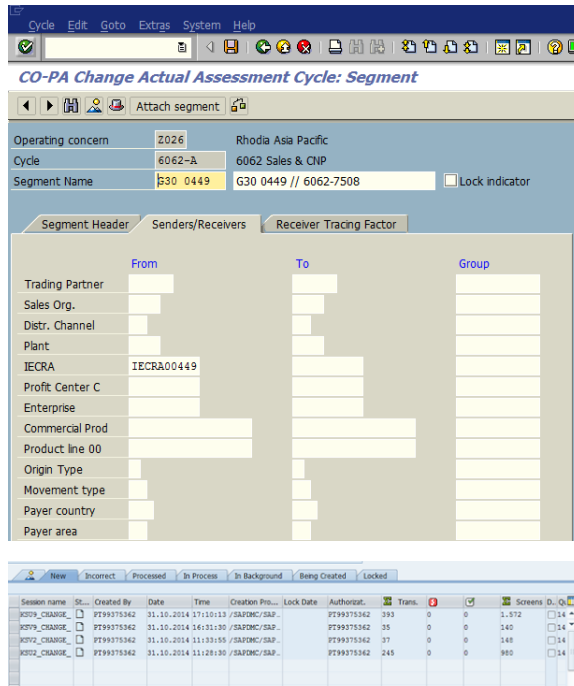


Or create a new segment by clicking

**Attach segment**

**STEP 5**

Make the appropriate changes to the segment as required and save



**STEP 6**

It is also possible to perform mass changes on cycles in terms of dates.

To do so, please contact IS Team by the appropriate tool, requesting the creation of a LSMW and providing the respective list of the cycles to be changed.

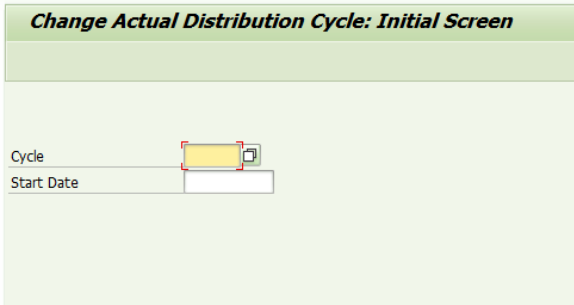
Afterwards, IS Team will request to process the batches sessions created for this purpose.

**STEP 1**

Start the transaction using transaction code KSV2

**i** Change Actual Distribution Cycle: Initial Screen

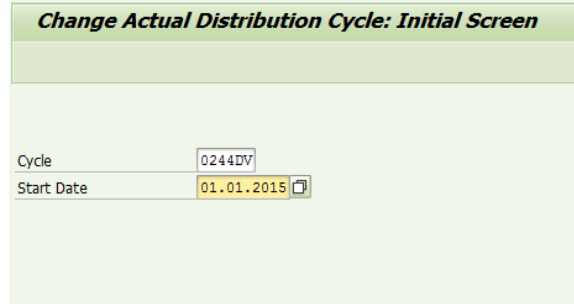
**!** **Budget Distribution**  
For budget distribution allocations insert KSV8.



**STEP 2**

Enter the cycle code and the starting date

and



**i** If you don't know the Starting Date, do not insert

Enter ↵

the date, and choose the most recent one.

**STEP 3**

**Open the Segment Overview dialog box**



**Change Actual Distribution Cycle: Header Data**

First segment Attach segment

Controlling Area: CREF ERP SOLVAY  
Cycle: 0244DV Status: Saved  
Start Date: 01.01.2015 To: 31.12.2015  
Text: Insurance + IAS

Indicators:  Iterative,  Cumulative,  Cumulated Opt  
Field Groups:  Consumption,  Object Currency,  Transaction Curren

**STEP 4**

**Select the segment to be updated and choose**



Or create a new segment by clicking

**Attach segment**

**Change Actual Distribution Cycle: Header Data**

First segment Attach segment

Controlling Area: CREF ERP SOLVAY  
Cycle: 0244DV Status: Saved  
Start Date: 01.01.2015 To: 31.12.2015  
Text: Insurance + IAS

Indicators:  Iterative,  Cumulative,  Cumulated


**Segment Overview**

Name	Text	Sort Field	S	Sender Rule	R	Rec Rule	Scale	Li
6111030008	Auto Insurance Allocated		1	Posted amou..	1	Variable po..	1	
6111060000	Personnel / Travel		1	Posted amou..	1	Variable po..	1	
S5800IAS19	IAS19		1	Posted amou..	1	Variable po..	1	

No. of Segments: 3

**STEP 5**

**Make the appropriate changes to the segment as required**

 Please see [KSV1 - Create Actual Distribution Cycle](#) to better understand the changes that can be performed.

### Change Actual Distribution Cycle: Segment


Attach segment

Controlling Area: CHEF ERP SOLVAY  
 Cycle: 0244DV Insurance + IAS  
 Segment Name: 611103000B Auto Insurance Allocated  Lock indicator

Segment Header Senders/Receivers Sender Values Receiver Tracing Factor


	From	To	Group
<b>Sender</b>			
Cost Center	S5800000IN		
Cost Element	6111030000		
Cost Object			
<b>Receiver</b>			
Order			
Cost Center			E_0244
Cost Object			
WBS Element			
Business entity			
Property			
Building			
Settlement unit			

**STEP 6**

After the appropriate changes to the segment, click on  , to do a Formal Check.


### Change Actual Distribution Cycle: Segment

Attach segment


 If there is any errors you need to analyse and correct.

611103000B: Display messages

Type	Message text	Sizact
***	General messages for segment 611103000B	
Secondary postings in cost center S512400000 are not supported		
Secondary postings in cost center S512400001 are not supported		
Cost center S51240000A is not supported in all periods		
Secondary postings in cost center S5131P0000 are not supported		
Secondary postings in cost center S5131P0010 are not supported		
Secondary postings in cost center S5131P0011 are not supported		
Secondary postings in cost center S5131P0010 are not supported		
Secondary postings in cost center S5131P0037 are not supported		
Secondary postings in cost center S5131P0040 are not supported		
Secondary postings in cost center S5131P0041 are not supported		
Secondary postings in cost center S5131P0070 are not supported		
Secondary postings in cost center S5131P9989 are not supported		
Secondary postings in cost center S51410999 are not supported		
Secondary postings in cost center S51410100 are not supported		
Secondary postings in cost center S51410200 are not supported		

 Disregard Warnings

**STEP 7**

After the appropriate changes and the formal check Save .

**STEP 8**

It is also possible to perform mass changes on cycles in terms of dates.

To do so, please contact IS Team by the appropriate tool, requesting the creation of a LSWM and providing the respective list of the cycles to be changed.

Afterwards, IS Team will request to process the batches sessions created for this purpose

Session name	Created by	Date	Time	Creation Pr...	Lock Date	Authorizat...	Trans.	0	0	0	Screens	0	0
KSV1_CHANGE	PT99375362	31.10.2014	17:10:13	/SAPFNC/SAP		PT99375362	353	0	0	1,372	14		
KSV2_CHANGE	PT99375362	31.10.2014	14:31:30	/SAPFNC/SAP		PT99375362	35	0	0	140	14		
KSV2_CHANGE	PT99375362	31.10.2014	11:33:55	/SAPFNC/SAP		PT99375362	37	0	0	148	14		
KSV2_CHANGE	PT99375362	31.10.2014	11:28:30	/SAPFNC/SAP		PT99375362	245	0	0	960	14		

I inform FRA/Controller that the cycles are updated in SAP