

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).

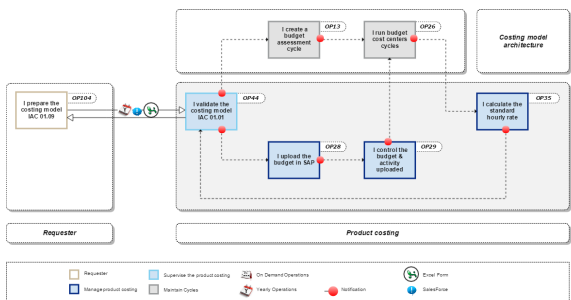
The instruction notes to complete the template of WP2, [under FRA responsibility](#), are below:

[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

Read me first	IAC 01.01	2a-Activity Budget	2b-Activity Hours	2c-Activity Cycles	2d-Activity TOTAL
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IAC 01.01

RCOM Checklist IAC 01.01										
1	2a	2b	2c	WP1	PM	GCCO	RCOM	Comments	Contact	Last control
Europe										
ES Blanda	✓	✓	✓	✓	✓	✓	✓		xxx@solway.com	12-11-2015
FR Belle-Etoile	✓	✓	✓	✓	✓	✓	✓	There is a mistake in the tab 2b	xxx@solway.com	15-11-2015
FR Butachimie Chalmé									xxx@solway.com	
FR Chalampé									xxx@solway.com	
FR Clamecy									xxx@solway.com	
FR Collonges									xxx@solway.com	
FR La Rochelle									xxx@solway.com	
FR Melle									xxx@solway.com	
FR Roussillon									xxx@solway.com	

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

1	2a	2b	2c	WP1	PM	GCCO	RCOM	Comments	Contact	Last control
Asia										
CH Chengyang									PAN, Jun	
CH Feichang									YANG, peng	
CH Liang									ZHOU, xiaoyan	
CH Liyang									YANG, peng	
CH Shanghai									PAN, Jun	
CH Zhangjiagang									LI, Aile	
CH Zhongyuan (normal)									ZHANG, kelin	
CH Zhongyuan (new area)									XU, ling	
CH Zhu									XU, ling	
CH Zhu									ZHAO, ...	
IN Pat									PIHAI, ...	
IR Ind									CICI, ...	
IR Onc									Han, ...	



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_IAC 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 center	Cost C	Description	First	Last	Status	Profit cent	Responsib	Group
7525	7603-1001	EPO Compounding	johan	CHOI	Active	Correct	Correct	EPDXX WORKSHOP
7525	7603-1001	AAO AA Semi Production	johan	CHOI	Active	Correct	Correct	EPDXX WORKSHOP
7525	7603-1001	PVO AA Salt Production	johan	CHOI	Active	Correct	Correct	EPDXX WORKSHOP
7525	7603-1002	PVO Polymerization	johan	CHOI	Active	Correct	Correct	EPDXX WORKSHOP
7525	7603-1101	EPO Blending	johan	CHOI	Active	Correct	Correct	EPDXX WORKSHOP
7525	7603-1201	EPO Packing	johan	CHOI	Active	Correct	Correct	EPDXX WORKSHOP
7525	7603-1211	AAO AA Packing	johan	CHOI	Active	Correct	Correct	EPDXX WORKSHOP
7525	7603-1232	PVO Packing CNP & AMO	johan	CHOI	Active	Correct	Correct	EPDXX WORKSHOP
7525	7603-1400	EPO Utility	johan	CHOI	Active	Correct	Correct	ECPIX VARIABLE COSTS
7525	7603-1402	EPO CP 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 CNY	Additional CNP CNY	Normal capacity CNY
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
 - Other constraints must be explained : it can only be technical constraints (usually bottlenecks)
 - Number of hours for planned

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

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

! 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 PYO AH Salt Production			100				
7603-1052 PYO Polymerisation				100			
7603-1101 EPO Blending						100	
7603-1201 EPO Packing							100
7603-1221 AAO AA Packing		100					
7603-1252 PYO 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						

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

STEP 1

Once a file is completed you send it to group email for each region : GBS_Finance_Management_Acc_Bangkok@syensqo.com

GBS_Finance_Management_Acc_Curitiba@syensqo.com

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				Validation		Comments	Contact	Last control	
	2a	2b	2c	WP1	PM	CCCO				
Asia										
CH Baotou	✓	✓	✓	✓	✗	✓	File sent to the BO	xxx@solway.com	15-11-2015	

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
or
Cost Center(s):
to:

Activity Type
Activity Type Group:
or
Activity Type(s):
to:

Selection Parameters
Version: 0
Fiscal Year: 2015
From Period: 1 to 12
Price Indicator:
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
Version 0
Fiscal Year 2015
Period 1 To 12
Price unit 1

Cost Center	Cost ctr short text	ActType	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	9,916
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

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

Cost Center	Cost ctr short text	ActType	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	9,916
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

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	-	-	-
	9,499,600.000	4,460,000.000	91,500.000
AMO			
MACHI	17,984,000.000	7,791,000.000	-
MANHO	10,406,000.000	4,169,000.000	-
AMO		8,280	8,280
MACHI		8,280	8,280
MANHO		8,280	8,280
		538,647	11,051
AMO			
MACHI		940,942	-
MANHO		503,502	-

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
7603-1221	AA Direct Labor	98320200	4,169,000.000		4,169,000.000
	AA Ind. Labor + M + O	98300207	7,523,000.000	268,000.000	7,791,000.000
	AA AMO	98340200	4,460,000.000		4,460,000.000
7603-1221	AA Packing AMO	98340200	91,500.000		91,500.000
7603-1051	AH Salt direct labor	98320200	458,000.000		458,000.000
	AH Salt AMO	98340200	227,000.000		227,000.000
7603-1052	Polymer direct labor	98320200	2,770,000.000		2,770,000.000
	Polymer Ind. Labor + M + O	98300207	4,238,000.000	201,000.000	4,439,000.000
	Polymer AMO	98340200	2,812,000.000		2,812,000.000
7603-1252	PO Packing AMO	98340200	650,000.000		650,000.000
7603-1201	EP Compounding Labor	98320200	3,059,000.000		3,059,000.000
	EP Ind. Labor + M + O	98300207	5,485,000.000	201,000.000	5,686,000.000
	EP AMO	98340200	1,457,000.000		1,457,000.000
7603-1201	EP Packing AMO	98340200	2,300.000		2,300.000

Read me first Confirmed 2a-Activity Budget 2b-Activity Hours 2c-Activity Cycles 2d-Activity TOTAL

S_ALR_87013611

S_ALR_87013611

Cost Center: Actual/Plan/Variance Date: 19.06.2013

Cost Center/Group: 7603-1021 Person responsible: S001184 AAO AA Semi
Reporting period: 1 to 12 2015

Cost Element	Act	Plan	Variance
98320200 PERSONNEL/LABOR			4,169,000.000
98300207 MAINTENANCE			7,791,000.000
98340200 EP SALVABLE ASSET			4,460,000.000
Details			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

IAC 01.09

ACTIVITIES - KP27						
Cost centers	Activities	Hours				
		10	11	12	13	14
		Personnel	Material	Production	Overhead	Normal capacity
7600-1001	ADD AS Item Production 1	MAH40	400	-	1	1
		MAH40	400	-	1	1
7600-1001	ADD AS Packing	MAH40	400	-	1	1
		MAH40	400	-	1	1
7600-1001	PVC All Lat Production	MAH40	400	-	1	1
		MAH40	400	-	1	1
7600-1001	PVC Polymerization	MAH40	400	-	1	1
		MAH40	400	-	1	1
7600-1001	PVC Packing	MAH40	400	-	1	1
		MAH40	400	-	1	1
7600-1001	PVC Compounding	MAH40	400	-	1	1
		MAH40	400	-	1	1
7600-1001	PVC Packing	MAH40	400	-	1	1
		MAH40	400	-	1	1

S_ALR_87013611

Cost: Cost Center Group	7600-1001	MAH 40 Item Production
Cost: Department/Plant	5001114	
Reporting period:	1-12	12 2015

2C-ACTIVITY CYCLES

Compare the cycle created in the system (code = PPPPBU => PPPP = plant code) with the t-code KSU9

IAC 01.09

ACTIVITIES - KP27						
Cost centers	Activities	Hours				
		10	11	12	13	14
		Personnel	Material	Production	Overhead	Normal capacity
8005-2100	ZIG GM	40	10	4	36	10
8005-2101	ZIG Plant Manager	40	10	4	36	10
8005-2102	ZIG Plant Supervisor1	40	10	4	36	10
8005-2103	ZIG Plant Supervisor2	40	10	4	36	10
8005-2104	Tools and Insurance	40	10	4	36	10
8005-2105	HSE Supplies	40	10	4	36	10
8005-2106	Utilities - Power	40	10	4	36	10
8005-2107	Utilities - Water	40	10	4	36	10
8005-2108	Quality assurance	40	10	4	36	10
8005-2109	Quality control lab	40	10	4	36	10

KSU9

Controlling Area	8114	Rhode Asia Pacific
Cycle	811001	8110 Hengshang - Budget
Segment Name	8110-2100	8110-2100 ZIG GM

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	3	4	5	6	7	8	9	10
	2a	2b	2c	WP1	PM	GMCC	RCOM	Comments	Last control
Asia									
CH Baotou	✓	✓	✓	✓	✓	✓	✓	Fully completed	xxx@solway.com 05-12-2015

STEP 2

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

RCOM Checklist IAC 01.01									
1	2	3	4	5	6	7	8	9	10
	2a	2b	2c	WP1	PM	GMCC	RCOM	Comments	Last control
China									
CH Baotou	✓	✓	✓	✓	✓	✓	✓	Fully completed	xxx@solway.com 05-12-2015
CH Chengyang	✓	✓	✓	✓	✓	✓	✓	Fully completed	xxx@solway.com 06-12-2015
CH Feixiang	✓	✓	✓	✓	✓	✓	✓	Fully completed	xxx@solway.com 07-12-2015
CH Licang	✓	✓	✓	✓	✓	✓	✓	Fully completed	xxx@solway.com 08-12-2015
CH Liyang	✓	✓	✓	✓	✓	✓	✓	Fully completed	xxx@solway.com 09-12-2015
CH Shanghai	✓	✓	✓	✓	✓	✓	✓	Fully completed	xxx@solway.com 10-12-2015
CH Zhangjiagang	✓	✓	✓	✓	✓	✓	✓	Fully completed	xxx@solway.com 11-12-2015
CH Zhenjiang (Aroma)	✓	✓	✓	✓	✓	✓	✓	Fully completed	xxx@solway.com 12-12-2015
CH Zhenjiang (Novicare)	✓	✓	✓	✓	✓	✓	✓	Fully completed	xxx@solway.com 13-12-2015
CH Zhuohai	✓	✓	✓	✓	✓	✓	✓	Fully completed	xxx@solway.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	☒		to		
[H]Start Date			to		
[H]Text language		EN			
[H]Valid To			to		
[H]Created on			to		
[H]Date of last change			to		
[H]Date of the last exec			to		
[H]Type of allocation			to		
[H]Actual/plan indicator			to		
[S]Locked			to		

Choose the following variant "COSTING MODEL"

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

Updating the cycles and start date

Cycle Master Data Extraction Report

[H]Cycle -strt wth oper area	☒	FO01CCCC*	to		
[H]Start Date		01.01.2020	to	31.12.2020	
[H]Text language		EN			
[H]Valid To			to		
[H]Created on			to		
[H]Date of last change			to		

Cycle should be completed like this:

Multiple Selection for [H]Cycle -strt w

Select Single Values (2) Select

O. Single value
☒ FO01CCCC*
☒ 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

Cycle Master Data Extraction Report													
[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
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	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	4056BONUS	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'.

Cycle master data extraction report							
[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	Z001BEPJ01	01.01.2002			1	WATER1	
CCSS	Z001BEPJ01	01.01.2002			2		
CCSS	Z001BEPJ01	01.01.2002			3		
CCSS	Z001BEPJ01	01.01.2002			4		
CCSS	Z001BEPJ01	01.01.2002			5	USTEAM1	
CCSS	Z001BEPJ01	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

Output options

- 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	IECRA000		
3	115T							
3	115T	R	1	50.00	7424	0002022	000237	IECRA00011
3	115T	R	2	50.00	7424	0002022	000237	IECRA00012
4	115							
4	115	R			000		000398	0002027650
4	115	R			000		000398	0002027650
4	115	R	3	10.00	000000000000053289	7424	0002000398	0002027650
4	115	R	4	10.00	000000000000053289	7424	0002000398	0002027650
4	115	R	5	10.00	000000000000053289	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			
		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
A group	0228-FCE	
	0195-1000 to 0195-1300	
	0195-1000 to 0195-1300	
	0195-1000	
Single object	0195-1000	
	0195-1000 to 0195-1300	
	0195-1000 to 0195-1400	
From... to...	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 with oper area: Z026816000 to

[H]Start Date: 01. 01. 2015 to

[H]Text language: EN

Operating concern + "*"

[H]Cycle -strt with oper area: Z026* to

[H]Start Date: 01. 01. 2015 to

[H]Text language: EN

"*" + cycle code

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

[H]Start Date: 01. 01. 2015 to

[H]Text language: EN

No selection

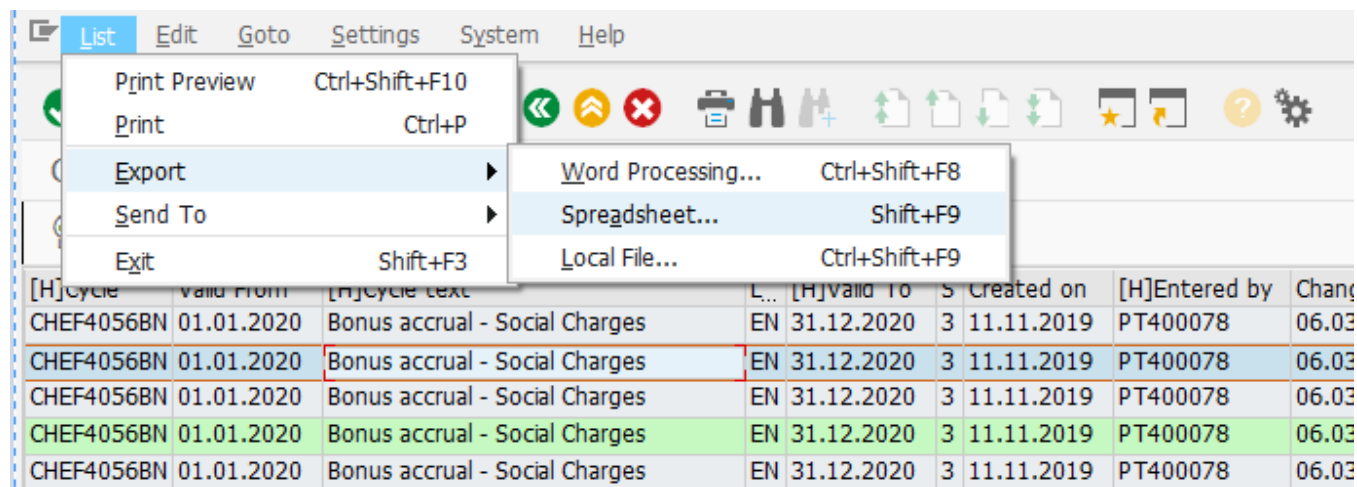
[H]Cycle: to

[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

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

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

Click



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

First segment Attach segment

Segment Overview

Cycle	Name	Text	Sort Field	S Sender Rule	R Rec Rule	Scale	Lo
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..		
ZU11121000	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

First segment Attach 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

First segment Attach 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

Change Actual Assessment Cycle: Segment

◀ ▶ 🏠 🔒 Attach segment 🔒

Controlling Area	CHRF	ERP SOLVAY
Cycle	0125ID	Indirect Cycle
Segment Name	ZU17400000	General services

Segment Header Senders/Receivers Sender Values Receiver Tracing Factor

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

 Disregard Warnings 

6111030008: Display messages

Type	Message text	Link
?	*** General messages for segment 6111030008 *****	
?	Secondary postings in cost center 5512400000 are not supported	
?	Secondary postings in cost center 5512400001 are not supported	
?	Cost center 5512400002 is not supported in all periods	
?	Secondary postings in cost center 5513100000 are not supported	
?	Secondary postings in cost center 5513100001 are not supported	
?	Secondary postings in cost center 5513100002 are not supported	
?	Secondary postings in cost center 5513100003 are not supported	
?	Secondary postings in cost center 5513100004 are not supported	
?	Secondary postings in cost center 5513100005 are not supported	
?	Secondary postings in cost center 5513100006 are not supported	
?	Secondary postings in cost center 5513100007 are not supported	
?	Secondary postings in cost center 5513100008 are not supported	
?	Secondary postings in cost center 5513100009 are not supported	
?	Secondary postings in cost center 5514009999 are not supported	
?	Secondary postings in cost center 5514010000 are not supported	
?	Secondary postings in cost center 5514020000 are not supported	

Technical Information | Current display variant: | Print | 552 | Help

STEP 7



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.

New Incorrect Processed In Process In Background Being Created Locked											
Session name	St...	Created By	Date	Time	Creation Pro...	Lock Date	Authoriz...	Trans.		Screens	D. Q...
KSVY_CHANGE		PT99975362	31.10.2014	17:10:13	/SAP/NC/SAP...		PT99975362	393	0	1,572	14
KSVY_CHANGE		PT99975362	31.10.2014	16:31:30	/SAP/NC/SAP...		PT99975362	35	0	140	14
KSVY_CHANGE		PT99975362	31.10.2014	11:33:55	/SAP/NC/SAP...		PT99975362	37	0	148	14
KSVY_CHANGE		PT99975362	31.10.2014	11:28:10	/SAP/NC/SAP...		PT99975362	245	0	900	14

⚠ 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

Cycle Edit Goto Extras System Help

CO-PA Change Actual Assessment Cycle: Initial Screen

Cycle [] []

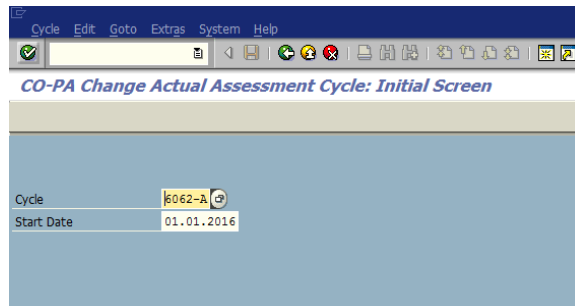
Start Date [] [] []

STEP 2

Enter the cycle code and the starting date

and

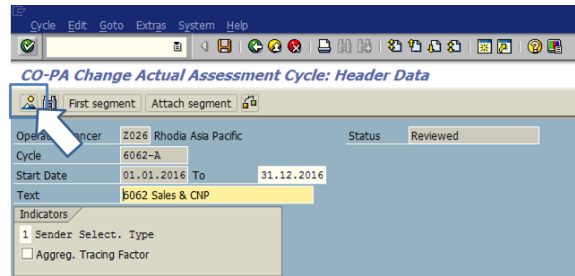
ENTER ↵



STEP 3

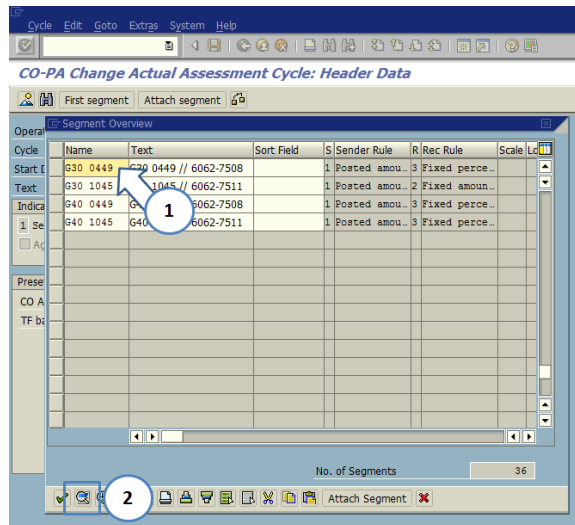
Open the Segment Overview dialog box

Click



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



New Incorrect Processed In Process In Background Being Created Locked											
Session name	St.	Created by	Time	Creation Pr.	Lock Date	Authoriz.	Trans.	8	✓	Screens	D. Q.
KQF01_CHANGE		PP99375362	31.10.2014 17:10:11	/SAPMCR/SAP...		PP99375362	293	0	0	1,572	
KQF09_CHANGE		PP99375362	31.10.2014 16:10:10	/SAPMCR/SAP...		PP99375362	35	0	0	140	
KQF02_CHANGE		PP99375362	31.10.2014 16:10:10	/SAPMCR/SAP...		PP99375362	37	0	0	148	
KQF07_CHANGE		PP99375362	31.10.2014 11:28:30	/SAPMCR/SAP...		PP99375362	245	0	0	989	

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

 Budget Distribution

For budget distribution allocations insert KSV8.

Change Actual Distribution Cycle: Initial Screen

Cycle	0244DV
Start Date	01.01.2015 

and



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

Click



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
6111030000	Auto Insurance Alocated		1 Posted amou..	1 Variable po..	1	
6111040000	Personnel / Travel		1 Posted amou..	1 Variable po..	1	
55800IAS19	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
Sender			
Cost Center	S5800000IN		
Cost Element	6111030000		
Cost Object			
Receiver			
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.



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



611103000B: Display messages

Type	Message text	Exit
***	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 S51240000B 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 S5131P0017 are not supported		
Secondary postings in cost center S5131P0020 are not supported		
Secondary postings in cost center S5131P0037 are not supported		
Secondary postings in cost center S5131P0047 are not supported		
Secondary postings in cost center S5131P0070 are not supported		
Secondary postings in cost center S5131P0089 are not supported		
Secondary postings in cost center S514100999 are not supported		
Secondary postings in cost center S514101000 are not supported		
Secondary postings in cost center S514102000 are not supported		

Technical Information Current display variant Print 552 Help



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 Pro...	Lock Date	Authorizat...	Trans.	Trans.	Trans.	Screens	...
KSV9_CHANGE_	PT99375362	31.10.2014	17:10:13	/SAPFNC/SAP		PT99375362	393	0	0	1.372	14
KSV9_CHANGE_	PT99375362	31.10.2014	16:31:30	/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