

**SAP ERP Solution**



**FICO-Reconciliation Tool**

**Reconciliation (SAP FI-GL with CO-PA)  
Based on SAP-ICR-002 (Intercompany-Reconciliation)**

**For Fast and transparent Closing Processes**

## Definition of Terms



Nr	Topic
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- |    |                            |
|----|----------------------------|
| 1. | Definition of Terms        |
| 2. | General Information        |
| 3. | Functional description     |
| 4. | Illustration on the system |
| 5. | Technical characteristics  |

### Monthly Local Closing Processes in FI-CO:

❑ Special steps in Closing process are:

- Reconciliation COGS (Cost of Goods Sold) FIGL → COPA
  - Reconciliation Production Variances COPC → COPA
  - P&L Postings without Cost element FI/MM → COPA
- 
- All these postings are not easy to reconcile with FI-GL and CO-PA
  - Most of them are posted automatically by the logistic process chain
  - Many different issues cause always variances in the Closing
  - The new FICO-Reconciliation Tool support this topic in the best way
  - The closing process can be accelerated significant
  - Much better User motivation for Reconciliation
  - Transparent, easy to find the reason of the missing or wrong posting
  - The Tool is based on ICR-002 Process (Intercompany Reconciliation)
  - Has the same User Interface as the Intercompany Reconciliation for
    - Customer/Vendor.

## General Information: User Problems



### Negativ impacts to find the differences

- 01 Analysis of differences not easy, too many records to download into Excel and to match
- 02 Matching FIGL-Documents with COPA invoice data not easy
- 03 Many different kind of Business Processes cannot be handeld manually
- 04 Missing or wrong processes are not shown for the User
- 05 Posted in a different Period cannot be shown
- 06 Partly reversed processes are not shown
- 07 Currency and costing variances are not shown
- 08 Find the relevant wrong or missing postings is often impossible
- 09 Reporting structure completly different in FIGL and COPA
- 10 No tracking and comunication tool, etc.

## General Information: Customer benefits for Users



### Advantage with the FICO-Reconciliation Tool

- 01 Only the items with differences appear in the Tool
- 02 The differences are shown in 2 screen blocks | [FIGL](#) | [COPA](#) |
- 03 Documents can be analyzed by clicking on the document flow
- 04 Tracking the items for further intervention with the relevant person
- 05 Communication by e-mail and or Workflow
- 06 Reconcile can be done any time in the month
- 07 Perfect monitoring Tool for fast Closing
- 08 Relevant documents can be downloaded for i.e. Audit purposes
- 09 Very user friendly User Interface with many useful functions
- 10 Reconcile in local currency
- 11 Tolerances for matching can be customized by level Company
- 12 Can also be used in the Logistic to monitor Processes,etc.

## General Information: Customer benefits



- Requirements are known, draft and Solution available
- Proven solution available and running in a huge international Group
- All development has been done within SAP Standard with BAdI's, U-Exit
- It is based on the SAP ICR (Intercompany Reconciliation Tool)
- Solution in several Releases available
- Docu: for Key-user, Customizing, technical implementation in EN available
- Going live support, User training
- Expert with comprehensive Know-how in FI,CO,Logistic does implement it

Solution

- Timely implementation is possible
- Project times is depending on your Bus.-processes and project team
- The shorter the better

Time

- Cost estimation is possible after analyzing your Business Processes (BBP)
- Technical implementation (Customizing)
- Documentation like key-user and others, Training
- No running cost like User licenses and maintenance fees
- One time cost for the Tool ( can be asked by e-mail), see last slide
- Free maintenance ½ Year after going live.

Cost

## General Information: Scope



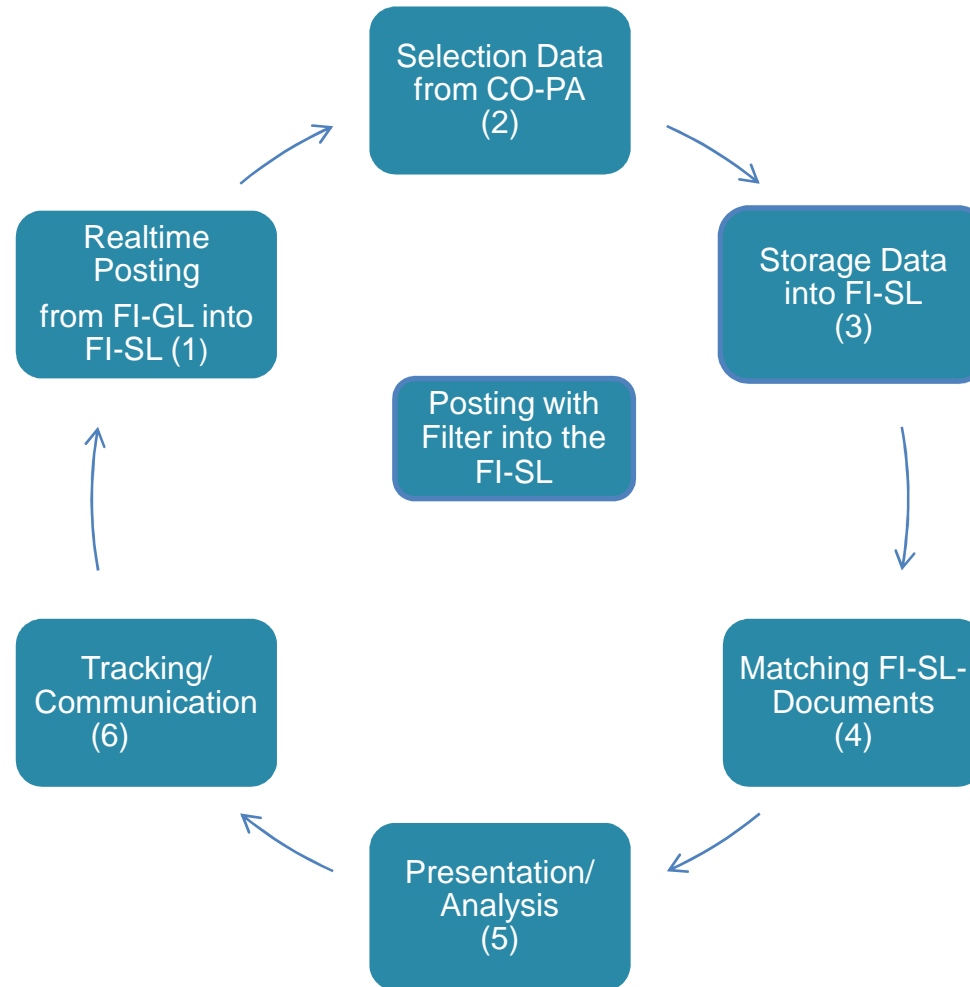
### Fixprice

- FICO-Reconciliation Tool i.e. Add-On
- Key-user Documentation in english
- Customizing document in english
- 6 months after going live Support, only error correction.

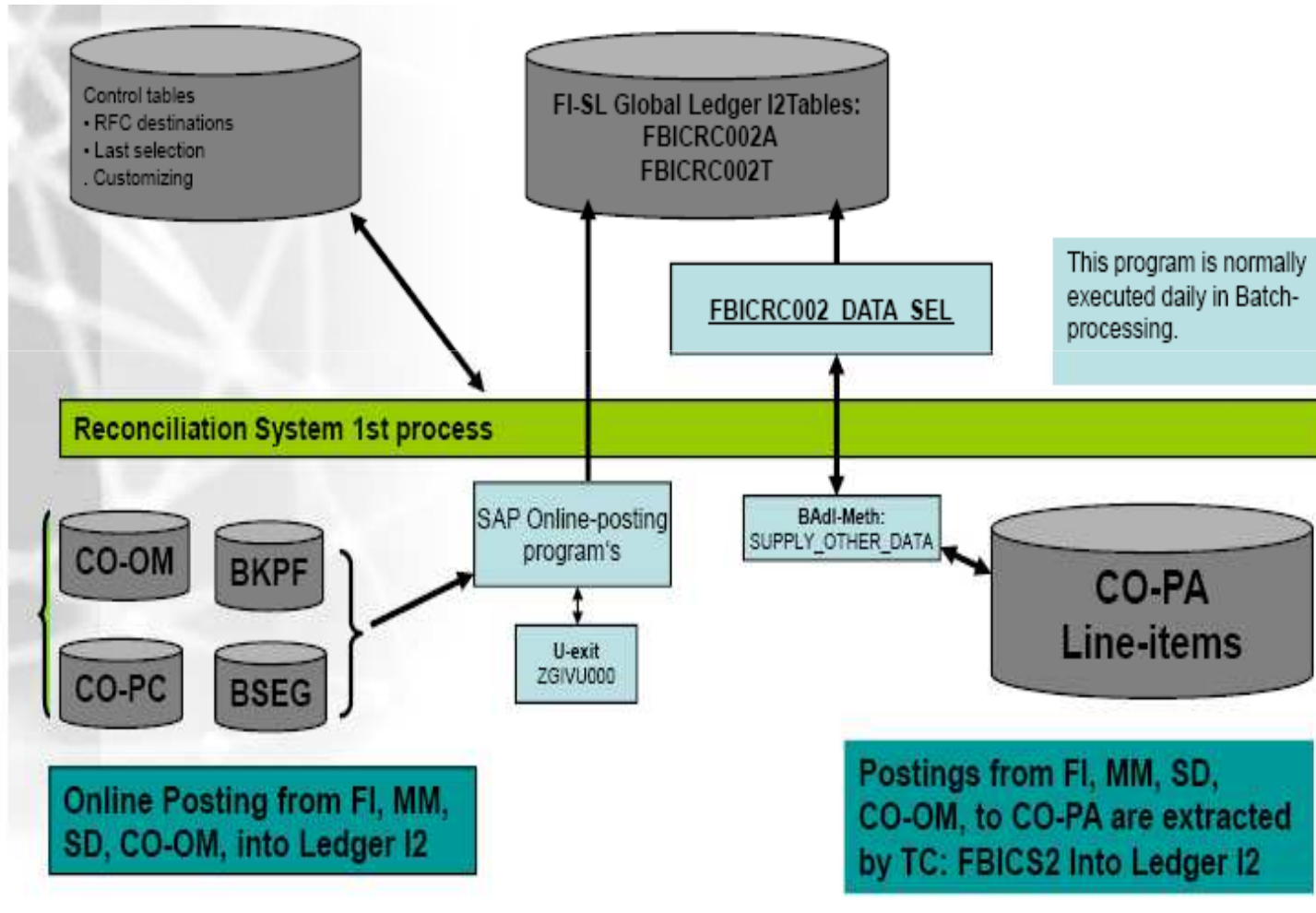
### Variable Cost

- Business Blue Print
- Technical implementation of the Tool
- Customer specific development in BAdI's or User-Exit
- Key-user Training
- Extension of documentation
- SAP CCC specific requirements.

## Functional description: data flow overview (1)



## Functional description: data flow overview (2)



## Functional description: supported Business Processes



- ✓ Cost estimation in MM or SD, i.e. Involved variances in CO-PA with Goods issue
- ✓ Production Orders with Variances
- ✓ CO-PA –Costing for i.e. HALB/FERT
- ✓ Billing / Return / Credit note / debit note
- ✓ Reversal
- ✓ Stock transfer
- ✓ Free of charge
- ✓ Third party deal
- ✓ Intercompany business
- ✓ Goods movements belonging to the above processes
- ✓ Various handling of foreign currency
- ✓ Matching in local currency, i.e. Company currency
- ✓ MIRO (Logistic Invoice Verification)
- ✓ Tolerances for automatic matching
- ❑ The following CO-PA-record type's can be matched if customizing is done:
  - ✓ B: 'Direct Posting from FI/MM'
  - ✓ C: 'Order Settlement' → only Production Variances  
→ for all other postings the Tool can be extended by open Filters in FI-SL  
and extending the BAdI for reading data from CO-PA
  - ✓ F: 'Billing'
    - ✓ COGS is the most important issue
    - ✓ All other posting can be activated
  - ❖ D: 'Cost Center Assessment' → not realized

## Functional description: activities for End-User



### Periodically, Monitoring:

- Check the total amount, posted in FI-GL and CO-PA
- Analyze the documents in the '**Unassigned Data Area**'
- Set processing status for specific processes i.e. items
- Tracking the process i.e. specific items
- Find out the reason why this posting is wrong or missing
- Inform the responsible people by sending items by mail
- Manual matching if approved by the User
- Download items for the Auditor if needed
- and others useful functions
- ask for correct posting from the responsible people

## Illustration in the System: User Interface (1)

SPC

### Tree Company and Differences

#### Company xxxxx Unassigned Data Records (here are always Data from FI, legal entity)

Line items not matched in the previous process.  
Must be matched and treated manually

#### Partner COPA Unassigned Data Records (here are always data from CO-PA)

Line items not matched in the previous process.  
Must be matched and treated manually

#### Assigned Data Records

this Area normally is not shown to the key-user as it is empty according to ALV-GRID filter.

Behind are:

A) Assigned data records with 0 differences → from Standard Matching

B) Assigned data records with small differences (Tolerance) → from BAdI-Matching

BAdI-Meth.  
CHANGE\_DATA\_TABLE  
ID\_EVENT\_5'

FBICRC002\_DATA\_REC

FI-SL Global Ledger I2Tables:  
FBICRC002A  
FBICRC002T

This Transaction FBICR2 can be started any time by the User. It is the only User-transaction to control and match the items in both areas.

## Illustration in the System: User Interface (2)



The yellow marked 'Set Description' below are: 1<sup>st</sup> column is COGS FI-GL, 2<sup>nd</sup> column is COGS COPA, 3<sup>rd</sup> column is the variances between FIGL and COPA.

Reconciliation Edit Goto System Help

Intercompany Reconciliation: Accounts: Reconcile Documents

000210 / COPA: Cost of Goods Sold

Set Description	Amount	Amount	Difference
COGS: Cost of Goods Sold	63.132.917,45	63.123.524,12-	9.393,33

Company 000210: Unassigned Data Records

Group acct	SD Doc.	Item	Material	LCurr	LC Amount	Purch.
4300100			100076	CHF	831,09	45010
				CHF	831,09	45010
				CHF	472.569,09	
1135984	1	100592		CHF	1.677,73	
				CHF	1.677,73	
	2	100592		CHF	1.677,73	
				CHF	1.677,73	
	3	100592		CHF	1.677,73	
				CHF	1.677,73	
	4	100592		CHF	1.677,73	
				CHF	1.677,73	
	5	100592		CHF	1.677,73	
				CHF	1.677,73	
	6	100592		CHF	1.677,73	
				CHF	1.677,73	
113599				CHF	10.066,38	
11426662	1	127595		CHF	1.778,65	45009

Partner COPA: Unassigned Data Records

Group acct	SD Doc.	Item	Material	LCurr	LC Amount	Purch.
4300100	11237173	1	1065116	CHF	1.894,58	
				CHF	1.894,58	
	2	1065116		CHF	1.894,57	
				CHF	1.894,57	
	3	1028042		CHF	172,25	
				CHF	172,25	
	4	1028043		CHF	172,25	
				CHF	172,25	
	5	1028045		CHF	468,74	
				CHF	468,74	
	6	1028044		CHF	205,99	
				CHF	205,99	
	7	1032881		CHF	550,08	
				CHF	550,08	
	8	1032880		CHF	369,96	
				CHF	369,96	
	9	1028049		CHF	18,59	

Assigned Data Records

Group	Co.	DocumentNo	Crcy	Tr.Pr	Ptr.doc.no	LCurr	Pr.cu	LC Amount	LC Amount	DGC	Diff.doc.gp	cur	Processing	Processing	Tran	Tran
-------	-----	------------	------	-------	------------	-------	-------	-----------	-----------	-----	-------------	-----	------------	------------	------	------

## Illustration in the System: User Interface (3)



Here below the reversal process of Sales Order 11262314 is not completed. Either wrong in COPA or in MM.

The screenshot displays two panels of unassigned data records. The left panel, titled 'Company 000160 : Unassigned Data Records', shows a list of records for sales order 11262314. The right panel, titled 'Partner COPA : Unassigned Data Records', shows a list of records for partner COPA, including sales order 11262314 and its reversal 11262316.

Document	Item	Material	LCurr	Amount in Local Crcy	Purch.Doc.
11262314	1	134685	DKK	8,255.11	
			DKK	8,255.11	
			DKK	8,255.11	
			DKK	8,255.11-	
			DKK	8,255.11-	
			<b>DKK</b>	<b>8,255.11</b>	
	2		DKK	8,255.11	
			DKK	8,255.11	
			DKK	8,255.11	
			DKK	8,255.11-	
			DKK	8,255.11-	
			<b>DKK</b>	<b>8,255.11</b>	
	3		DKK	8,255.11	
			DKK	8,255.11	
			DKK	8,255.11	
			DKK	8,255.11-	
			DKK	8,255.11-	
			<b>DKK</b>	<b>8,255.11</b>	
	4		DKK	8,255.11	
			DKK	8,255.11	
			DKK	8,255.11	
			DKK	8,255.11-	
			DKK	8,255.11-	
			<b>DKK</b>	<b>8,255.11</b>	
	5		DKK	8,255.11	

Document	Item	Material	LCurr	Amount in Local Crcy	Purch.Doc.
11261807			DKK	60,245.23-	
11262314	1	134685	DKK	8,254.80-	
			<b>DKK</b>	<b>8,254.80-</b>	
	2		DKK	8,254.80-	
			<b>DKK</b>	<b>8,254.80-</b>	
	3		DKK	8,254.80-	
			<b>DKK</b>	<b>8,254.80-</b>	
	4		DKK	8,254.80-	
			<b>DKK</b>	<b>8,254.80-</b>	
	5		DKK	8,254.80-	
			<b>DKK</b>	<b>8,254.80-</b>	
11262314			DKK	41,274.00-	
11262316	1	134685	DKK	8,254.80-	
			<b>DKK</b>	<b>8,254.80-</b>	
	2		DKK	8,254.80-	
			<b>DKK</b>	<b>8,254.80-</b>	
	3		DKK	8,254.80-	
			<b>DKK</b>	<b>8,254.80-</b>	
	4		DKK	8,254.80-	
			<b>DKK</b>	<b>8,254.80-</b>	
	5		DKK	8,254.80-	
			<b>DKK</b>	<b>8,254.80-</b>	
11262316			DKK	41,274.00-	
			DKK	317,990.92-	
de			DKK	2,341,235.21-	





# Illustration in the System: User Interface (6)



See PO 4500877417 below and on the right side:  
 → here below 1 reversal + 1 Goods Issue

the same PO (Purchase Order)  
 here below reversal differences, but same amount

Company 000210 : Unassigned Data Records							Partner COPA : Unassigned Data Records							
Document	Ite...	Material	LCurr	LC Amount	Purch.Doc.	Ite...	Document	Ite...	Material	LCurr	LC Amount	Purch.Do...	Ite...	F
		102126	CHF	151,594.66	4500876591				102126	CHF	168,732.02	4500876591	5	1
			CHF	172,455.19	4500876593					CHF	168,732.02	4500876591		
			CHF	172,455.19	4500876593					CHF	75,109.44	4500877114	6	3
			CHF	168,735.19	4500876598					CHF	75,109.44	4500877114		
			CHF	168,735.19	4500876598					CHF	144,602.35	4500877417	4	0
			CHF	75,109.44	4500877114					CHF	144,602.35	4500877417		
			CHF	75,109.44	4500877114					CHF	144,602.35	4500877417		
			CHF	144,602.35	4500877417					CHF	144,602.35	4500877417		
			CHF	144,602.35	4500877417					CHF	144,602.35	4500877417		
			CHF	144,602.35	4500877480					CHF	144,602.35	4500877480	4	1
			CHF	144,602.35	4500877480					CHF	144,602.35	4500877480		
			CHF	144,602.35	4500877677					CHF	144,602.35	4500877677	4	1
			CHF	144,602.35	4500877677					CHF	144,602.35	4500877677		
			CHF	72,289.91	4500877982					CHF	144,602.35	4500877677	4	1
			CHF	72,289.91	4500877982					CHF	144,602.35	4500877677		
		102128	CHF	126,570.54	4500876557				102128	CHF	126,569.15	4500876557	7	1
			CHF	126,570.54	4500876557					CHF	126,569.15	4500876557		
			CHF	270,860.02	4500876584					CHF	72,557.37	4500876557	7	1
			CHF	270,860.02	4500876584					CHF	72,557.37	4500876557		
			CHF	270,860.02	4500876584					CHF	54,297.82	4500876598	6	1
			CHF	72,558.16	4500876593					CHF	54,297.82	4500876598		
			CHF	72,558.16	4500876593					CHF	135,413.64	4500876390	1	1
			CHF	54,298.41	4500876598					CHF	135,413.64	4500876390		
			CHF	54,298.41	4500876598					CHF	1,354,136.36	4500876400	1	1
		102130	CHF	135,407.33	4500876390					CHF	1,354,136.36	4500876400		
			CHF	135,407.33	4500876390					CHF	176,027.84	4500876450	2	1

# Illustration in the System: User Interface (7)



Several processing and communication status and icons can be stored to the relevant items

Reconciliation Edit Goto System Help SAP

**Intercompany Reconciliation: GL Open Items: Reconcile Documents**

Company	Difference (EUR)
JH01	1.834.465,50-
JH02	1.000,00-
All Accounts	1.000,00-
JH03	622,00-
JH04	5.709,50
JH06	4.000,00
JH07	1.842.553,00-
JH02	14.600,00-
JH03	12.222,00-
JH04	3.709,50
JH06	4.000,00

Company JH01 : Unassigned Data Records					
DocumentNo	Processing	Com...	Crcy	Tran. Crcy	
100000018	⚙️	📧	EUR	5.000,00	
100000081	⚙️	📧	EUR	21.000,00	
100000084	⚙️	📧	EUR	21.000,00	
100000085	⚙️	📧	EUR	23.000,00	
100000082	⚙️	📧	EUR	23.000,00	
				EUR	93.000,00
				EUR	93.000,00

Partner JH02 : Unassigned Data Records					
DocumentNo	Processing	Com...	Crcy	Tran. Crcy	
100000005	⚙️	📧	EUR	5.000,00-	
100000025	⚙️	📧	EUR	9.000,00-	
100000026	✅	📧	EUR	11.000,00-	
100000027	⚙️	📧	EUR	21.000,00-	
100000028	⚙️	📧	EUR	23.000,00-	
100000029	✅	📧	EUR	25.000,00-	
				EUR	94.000,00-
				EUR	94.000,00-

Assigned Data Records											
Group	Co.	DocumentNo	Crcy	Tran. Crcy	Tr.prt	Ptr doc.no.	itm	Pr cu	Amount	DGC	± Difference
92	JH01	100000006	EUR	2.000,00-	JH02	100000001	2	EUR	2.000,00	EUR	0,00
	JH01	100000007	EUR	1.000,00	JH02	100000008	2	EUR	1.000,00	EUR	2.000,00
					JH02	100000007	1	EUR	1.000,00-	EUR	1.000,00-
										EUR	1.000,00
	JH01	100000031	EUR	2.000,00	JH02	100000014	2	EUR	4.000,00-	EUR	2.000,00-
	JH01	100000030	EUR	1.000,00	JH02					EUR	1.000,00
										EUR	1.000,00-
										EUR	0,00

## Technical Characteristics: Customizing



### Customizing FICO-Reconciliation Tool (ICR-002)

The screenshot shows the SAP Customizing tool interface. On the left, the 'Structure' pane is expanded to 'Cross-System Intercompany Reconciliation' > 'Preparations in the Reconciliation System' > 'Generate Default Customizing'. An arrow points from this menu item to the right-hand pane, which shows the 'Special Purpose Ledger' configuration tree. In this tree, the path is: 'Special Purpose Ledger' > 'Basic Settings' > 'Perform Preparation' (highlighted with a dashed box). Other visible items in the tree include 'Edit Coding Block', 'Tables', 'Definition', 'Execute Express Installation', 'Define Table Group', 'Technical Help', 'Maintain Table Directory', 'Maintain Fixed Field Movements', 'Master Data', 'Maintain Activities', 'Maintain Field Movements', 'Ledger', 'Maintain Global Companies', 'Maintain Company Codes', and 'Maintain Integrated Master Data'.

#### Matching rules between postings in FIGL and COPA:

- Sales Order and Sales Item identically within the tolerance
    - Sales Order identically within the tolerance
  - Purchase Order and item identically within the tolerance
    - Purchase Order identically within the tolerance
  - Material number identically within the tolerance
  - other rules can be defined and implemented
- FIGL and COPA  
FIGL and COPA  
FIGL and COPA  
FIGL and COPA  
FIGL and COPA

## Technical Characteristics



- FI-SL: Special Global Ledger must be implemented
- ICR-002: Process must be implemented i.e. customized
- BAdI's and one User-exit is involved
- One BAdI read line items from CO-PA, by an index and set a flag in CO-PA
- Postings (which GL-Accounts or Cost Elements) can be customized for:
  - FI-SL and with the
  - BAdI reading data from CO-PA
- Ledger Data can be reorganized after not using for matching
- Reporting with
  - Report Painter
  - Recherche
  - BI can be activated
- The Ledger data base will be actualized daily in batch
- System runtime for:
  - Load data from CO-PA and
  - Matching is very short, depending on the Configuration
- Easy to maintain
- SAP Releases > 4.7
- SAPGUI for Windows, SAPGUI for HTML
- BAdI = Business Add-In from SAP (new User-Interface techn.)
- Most Company already use the Intercompany Reconciliation for Customer/Vendor
  - the FICO-Recon-Tool use the same User Interface

## Contact



# Thank you! Any questions?



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