SAP P2P, O2C

By: CMA Jayesh P Desai

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About

CMA Jayesh P Desai

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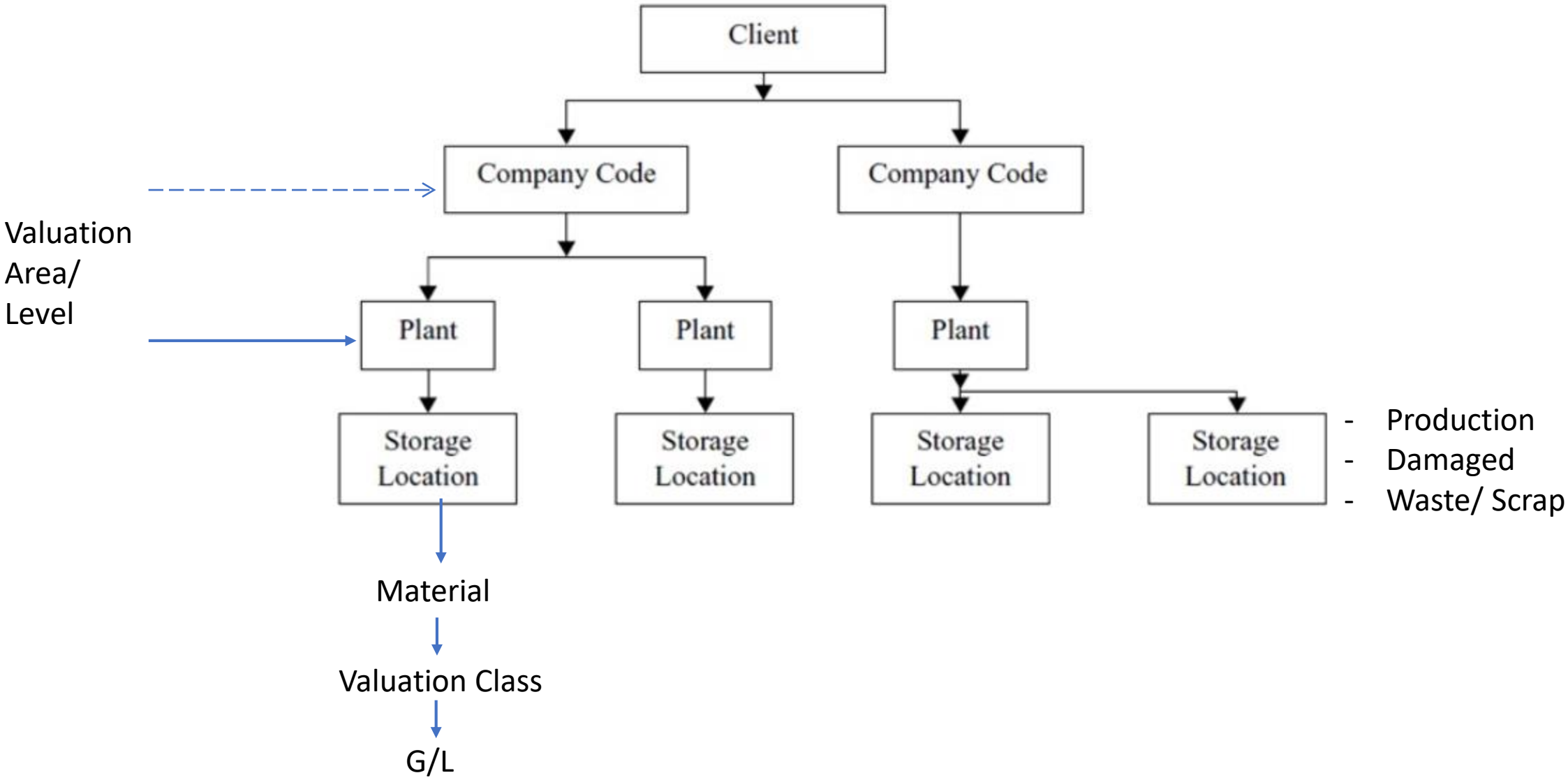
- Worked on SAP since 1997 as end-user, core team member, consultant and delivery manager
- End-user experience in SAP FI (AP, AR, GL, AA), SAP CO (CCA, PC, PA,PCA)
- Implemented 4 projects in SAP FICO with integration
- Specialised in Product Costing, Profitability Analysis
- Delivered on several large and global SAP & Data Analytics projects
- Head SAP Team (all modules), Head Data Analytics
- Worked with General Motors, Shaw Wallace, Bayer, Colgate, IBM, General Mills

Content

- Integration
- Procure to Pay
- Order to Cash
- Plan to Produce

PROCURE TO PAY

P2P – Understanding MM



Plant in SAP

Org Structure

- The plant is an operating area or branch within a company.
- The plant is assigned to a single company code. A company code can have several plants.
- Several storage locations in which material stocks are managed can belong to a plant.
- A single business area is assigned to a plant and to a division.
- A plant can be assigned to several combinations of sales organization and distribution channel.
- A plant can have several shipping points. A shipping point can be assigned to several plants.
- A plant can be defined as a maintenance planning plant.

Importance

The plant plays an important role in the following areas:

Material valuation

If the valuation level is the plant, the material stocks are valuated at plant level. Each plant can have its own account determination.

Inventory management

The material stocks are managed within a plant.

MRP

Material requirements are planned for each plant. costing In costing, valuation prices are defined only within a plant.

Plant maintenance

If a plant performs plant maintenance planning tasks, it is defined as a maintenance planning plant.

Movement Type

- Any transaction in MM with the respect to material movements happens with a movement type. Each Material movement such as goods receipt against purchase order, goods issue to production order, scrapping of goods, transfer of goods, goods issue for sale, initial stock upload, has a Movement type defined in the system. Thus the various account assignments (**transaction keys**) are linked to an MM movement type.
- In the Material master we have various views such as the Basic view, purchasing view, Sales view, MRP view, Quality view, the **Accounting** and the **costing view**. In the Accounting view of the Material master we update the valuation class. Each material type will have a certain valuation classes. The valuation class will determines the GL codes for the stock postings.

Material Type, Valuation Class

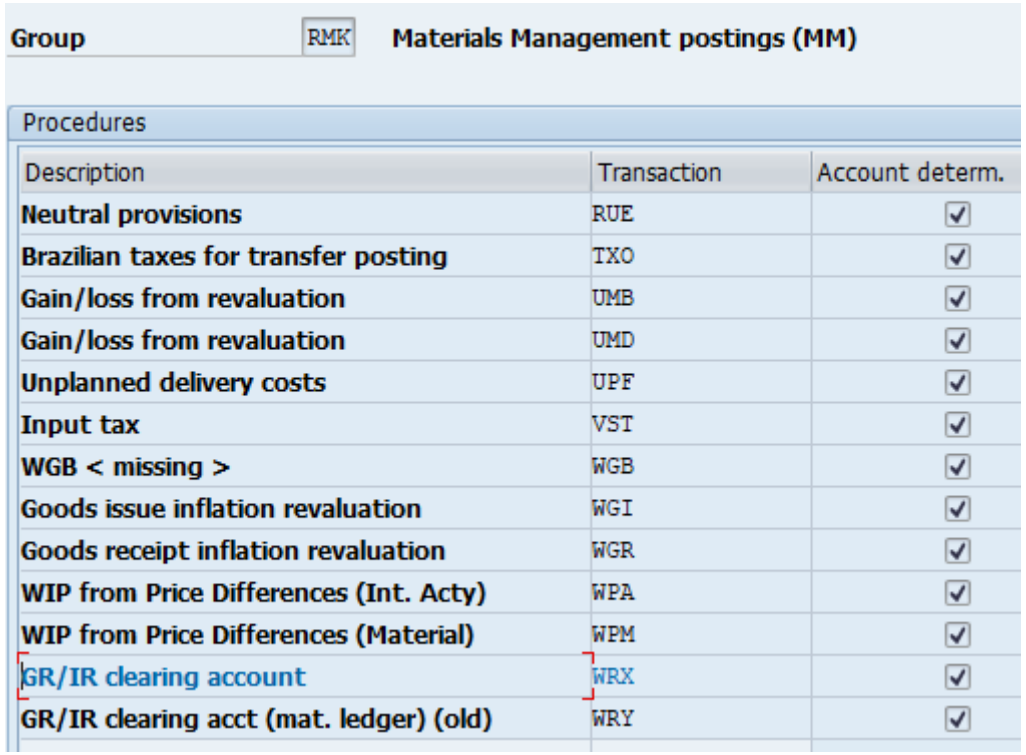
Material Type	Description
ROH	Raw Material
VERP	Packaging
HALB	Semi-finished product
FERT	Finished product
HAWA	Trading goods

For Company Code 0005

Valuation Class	Description	Account
3000	Raw materials 1	300000
3001	Raw materials 2	300010
3002	Raw materials 3	300010
3030	Operating supplies	303000
3040	Spare parts	304000
3050	(Returnable) packaging	305000
3100	Trading goods	310000
3200	Services	300000
7900	Semi-finished products	790000
7910	Semi-finished (external)	790010
7920	Finished products	792000
7925	Finished products MTO	792500

Account Determination (SPRO)

T-code: OBYC



Group	RMK	Materials Management postings (MM)

Procedures

Description	Transaction	Account determ.
Neutral provisions	RUE	☑
Brazilian taxes for transfer posting	TXO	☑
Gain/loss from revaluation	UMB	☑
Gain/loss from revaluation	UMD	☑
Unplanned delivery costs	UPF	☑
Input tax	VST	☑
WGB < missing >	WGB	☑
Goods issue inflation revaluation	WGI	☑
Goods receipt inflation revaluation	WGR	☑
WIP from Price Differences (Int. Acty)	WPA	☑
WIP from Price Differences (Material)	WPM	☑
GR/IR clearing account	WRX	☑
GR/IR clearing acct (mat. ledger) (old)	WRY	☑

T-code: OBYC>BSX

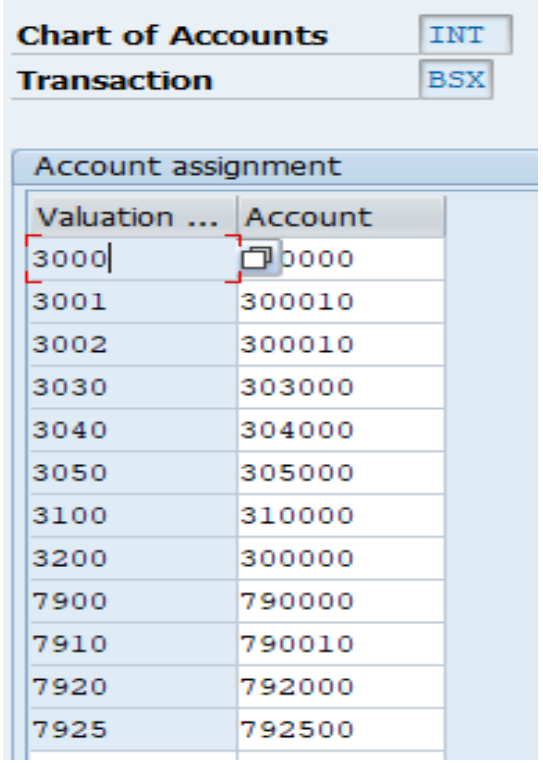


Chart of Accounts	INT
Transaction	BSX

Account assignment

Valuation ...	Account
3000	0000
3001	300010
3002	300010
3030	303000
3040	304000
3050	305000
3100	310000
3200	300000
7900	790000
7910	790010
7920	792000
7925	792500

For Debiting Material

T-code: OBYC>WRX

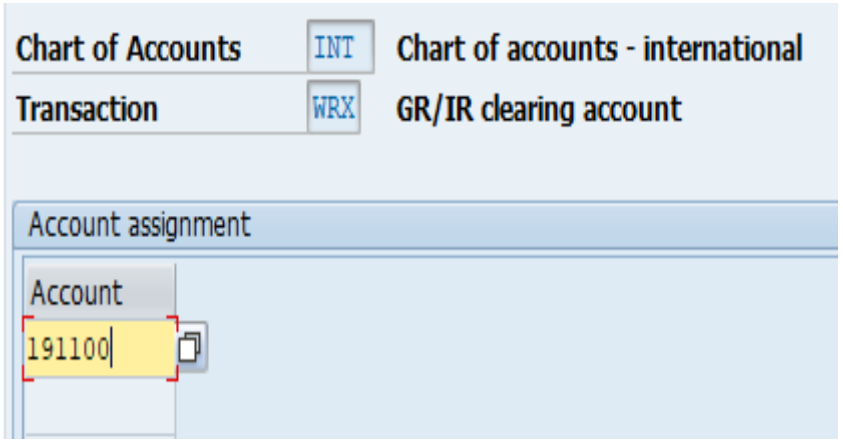


Chart of Accounts	INT	Chart of accounts - international
Transaction	WRX	GR/IR clearing account

Account assignment

Account
191100

For Crediting GR/ IR account

Other Pre-requisite

- Vendor Account Purchasing and Company Code view
- Material Master
- Purchase Order (‘GR-Bsd IV’ ticked)
- GL Accounts (OI managed & Auto posted)
- Posting period in MM & FI open for posting (OMSY, OB52)

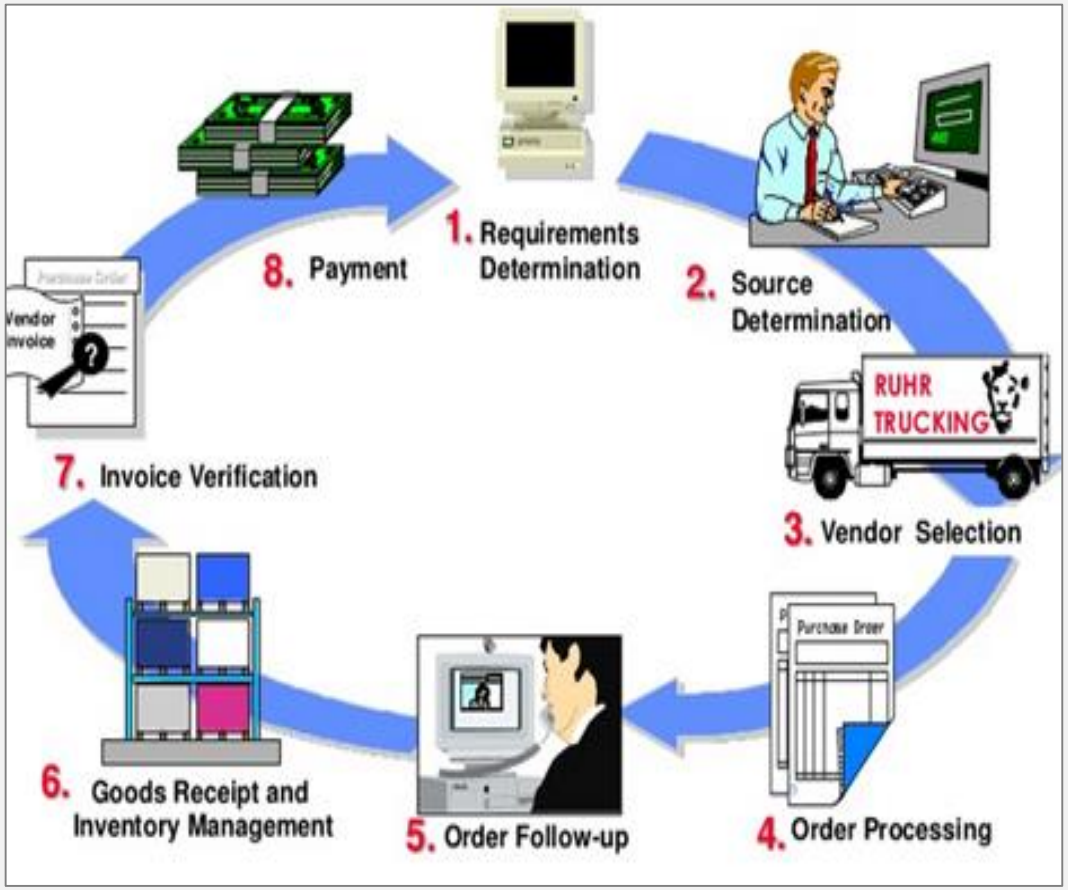
P2P Accounting

No Accounting

Payment Run
Dr: Vendor
Cr: Bank

MIRO
Dr: GR/IR
Cr: Vendor

MIGO
Dr: Material or Expense or AUC
Cr: GR/IR



No Accounting

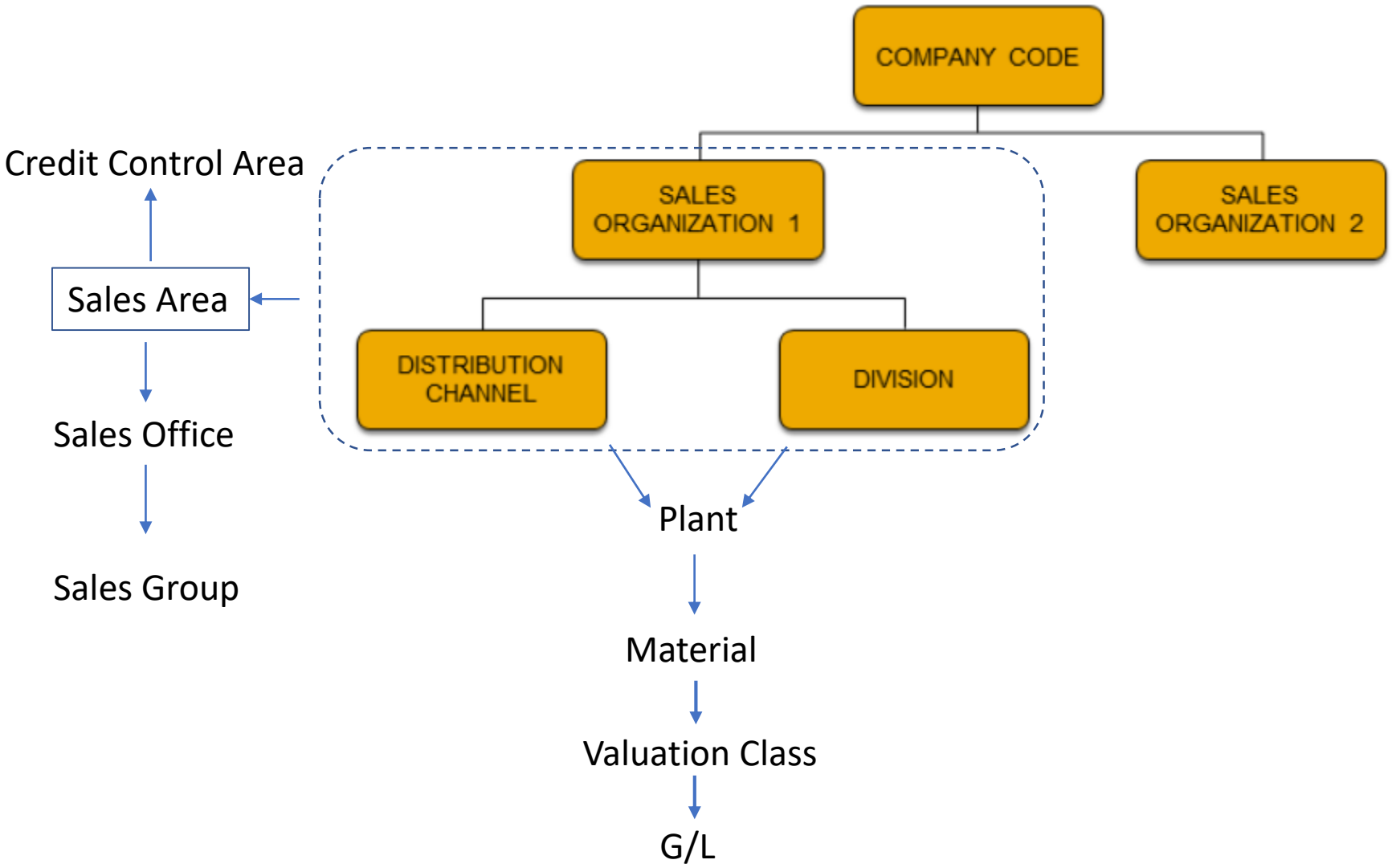
MK01/ FK01
Create
Vendor
Master

MR51N/ ME21N
No Accounting

No Accounting

ORDER TO CASH

Business Integration with ERP



O2C Accounting

VA21
No Accounting

Dr: Bank
Cr: Customer

F-28

VA01
No accounting

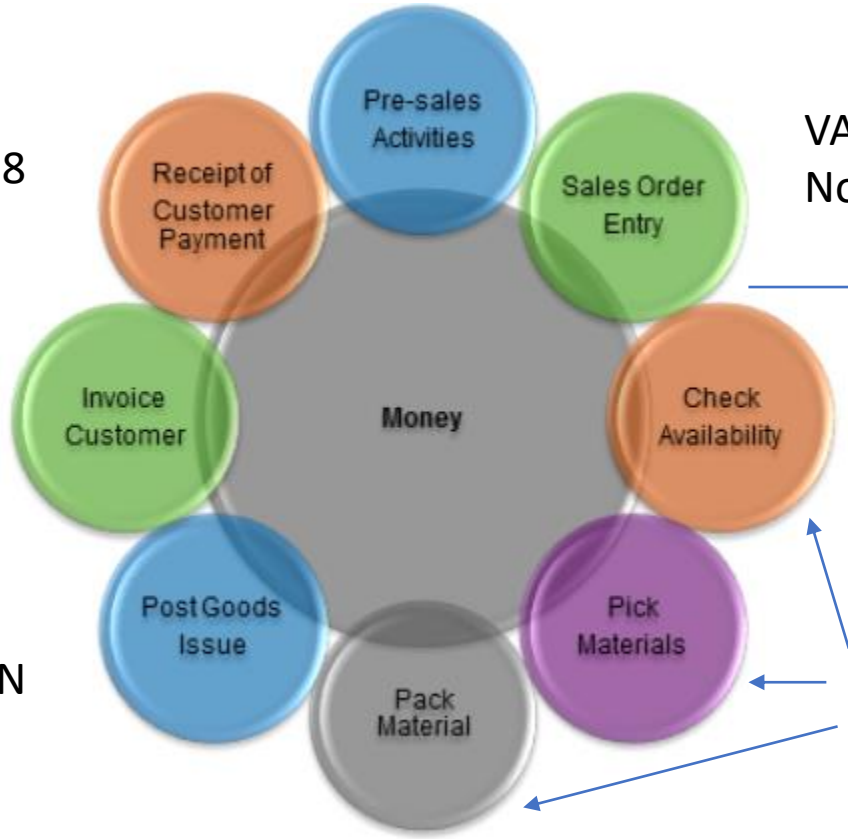
- Credit Management (Advance)
- Credit Check

Dr: Customer
Cr: Sales
Cr. GST

VF01

Dr: COGS
Cr: FG

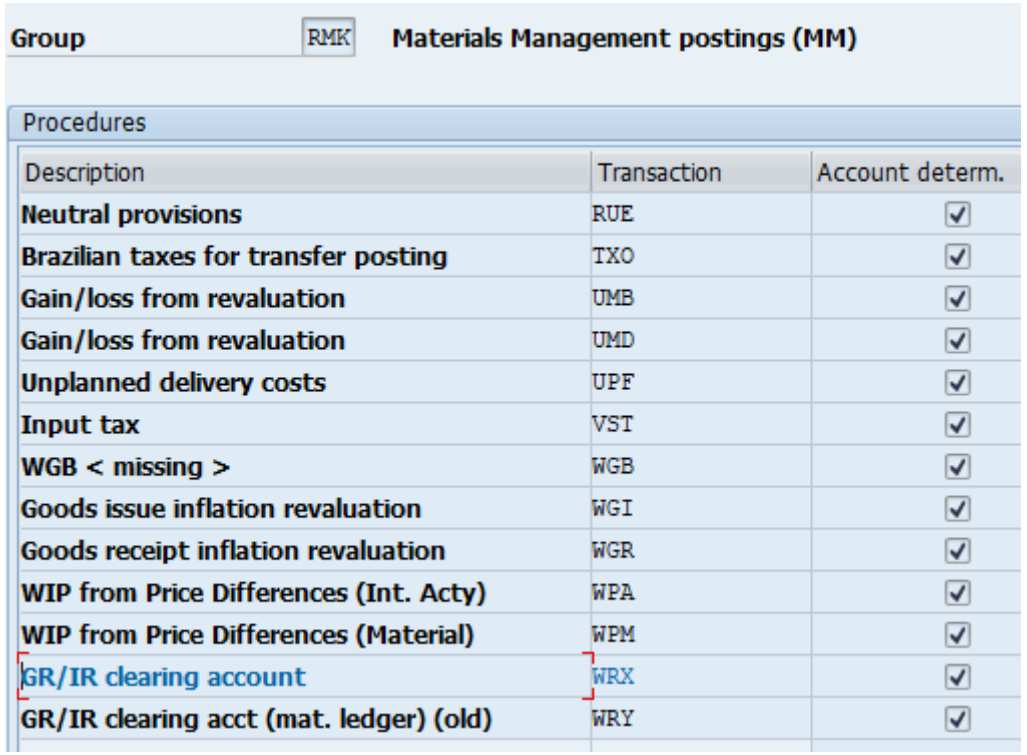
VL02N



No Accounting

Account Determination (SPRO)

T-code: OBYC



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GR/IR clearing account	WRX	☑
GR/IR clearing acct (mat. ledger) (old)	WRY	☑

T-code: OBYC>BSX

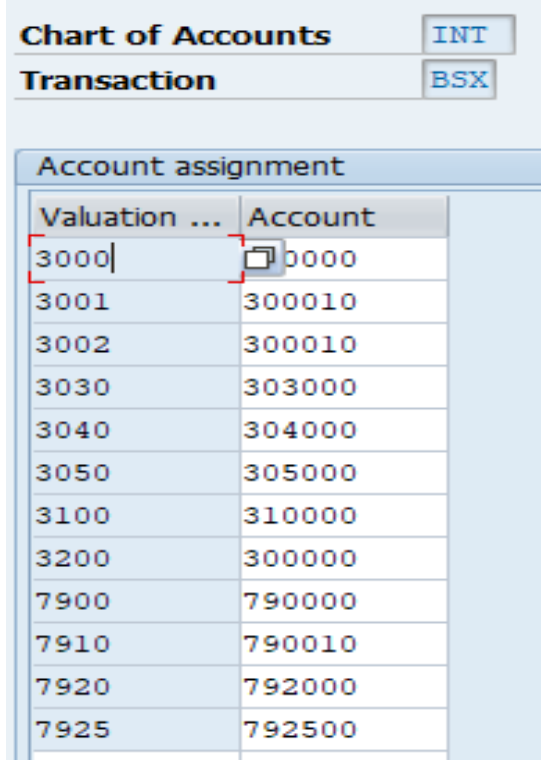


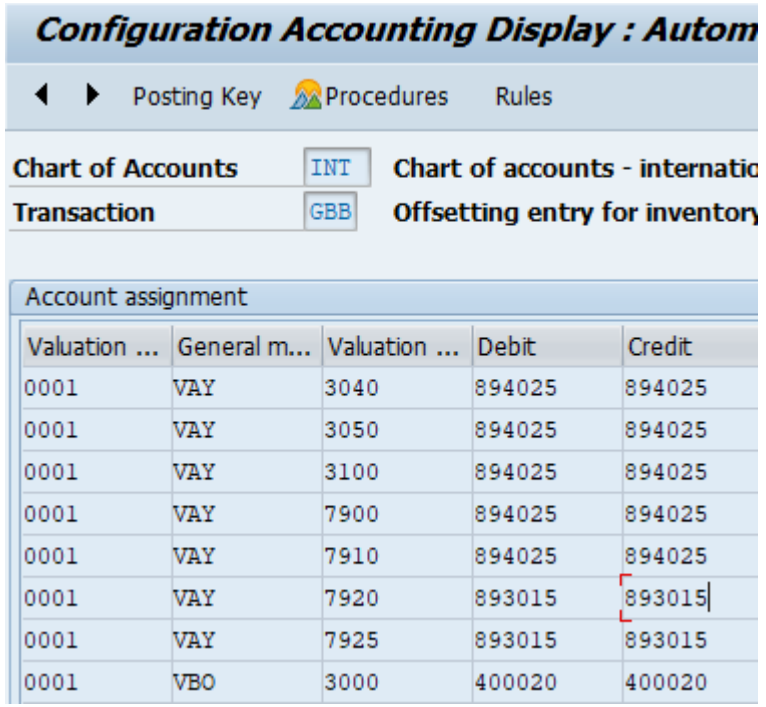
Chart of Accounts	INT
Transaction	BSX

Account assignment

Valuation ...	Account
3000	0000
3001	300010
3002	300010
3030	303000
3040	304000
3050	305000
3100	310000
3200	300000
7900	790000
7910	790010
7920	792000
7925	792500

For Crediting FG

T-code: OBYC>GBB



Configuration Accounting Display : Autom

Posting Key | Procedures | Rules

Chart of Accounts	INT	Chart of accounts - internatio
Transaction	GBB	Offsetting entry for inventory

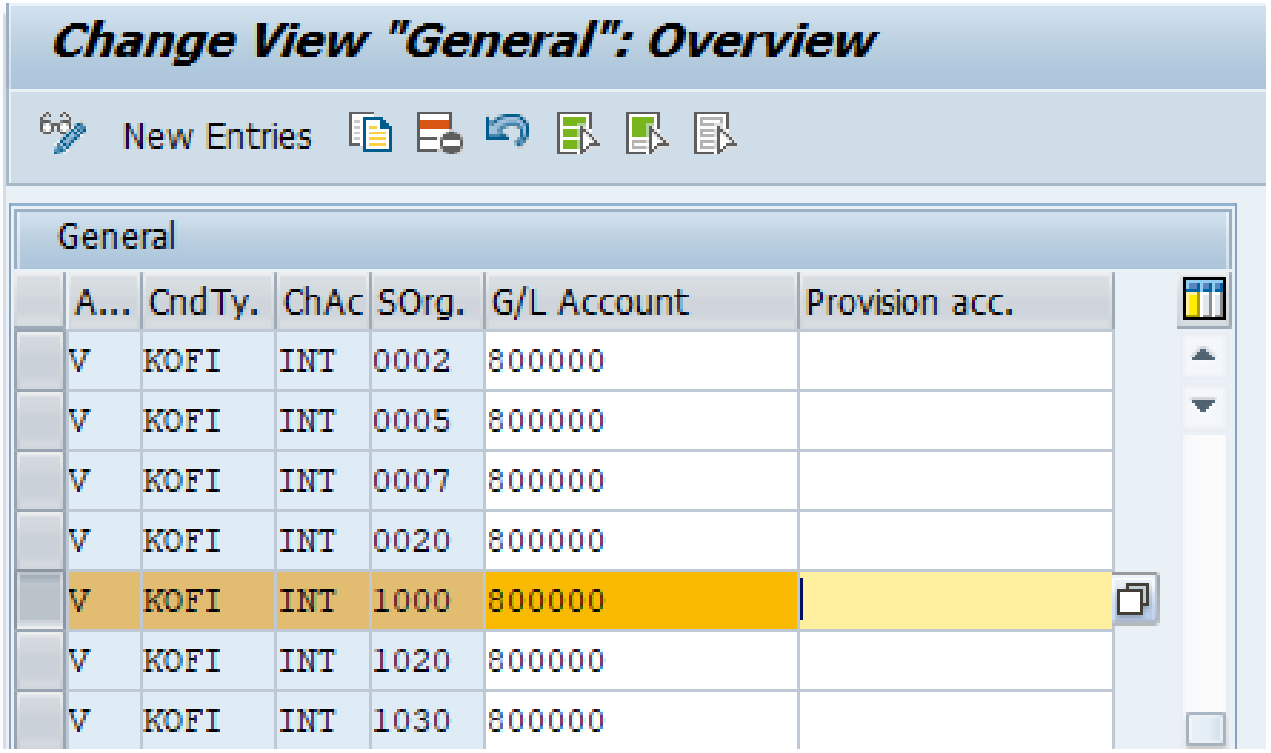
Account assignment

Valuation ...	General m...	Valuation ...	Debit	Credit
0001	VAY	3040	894025	894025
0001	VAY	3050	894025	894025
0001	VAY	3100	894025	894025
0001	VAY	7900	894025	894025
0001	VAY	7910	894025	894025
0001	VAY	7920	893015	893015
0001	VAY	7925	893015	893015
0001	VBO	3000	400020	400020

For Debiting COGS

Account Determination (SPRO)

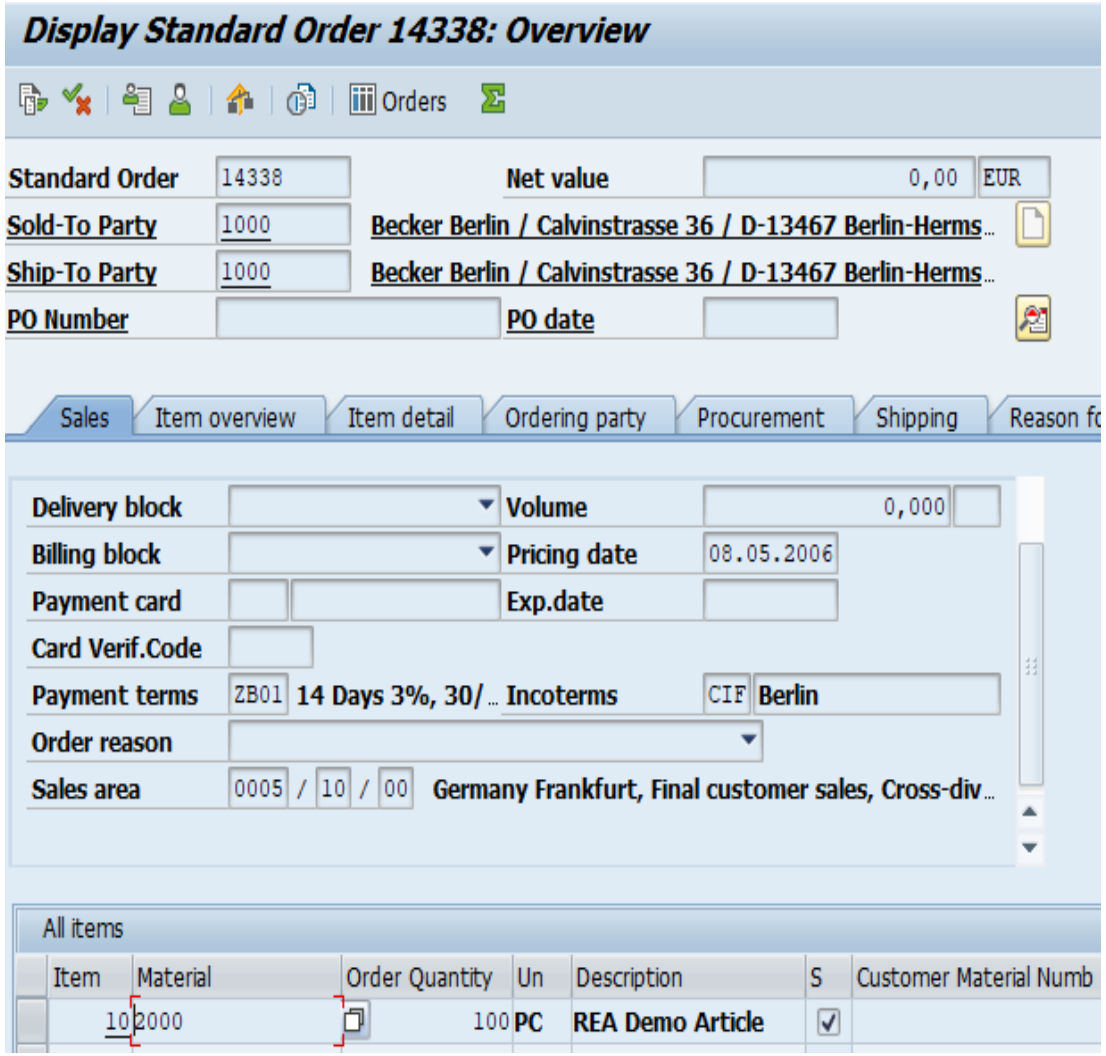
T-code: VKOA

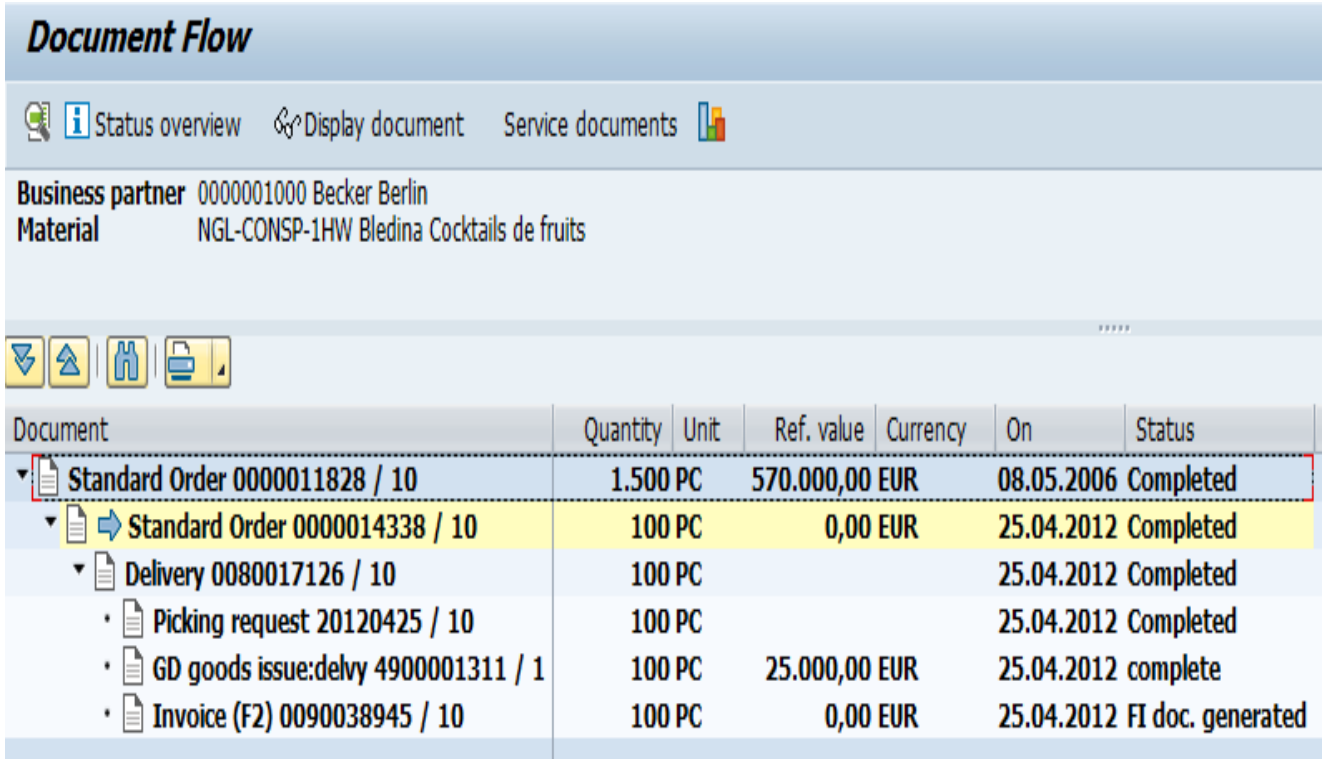


Other Pre-requisite

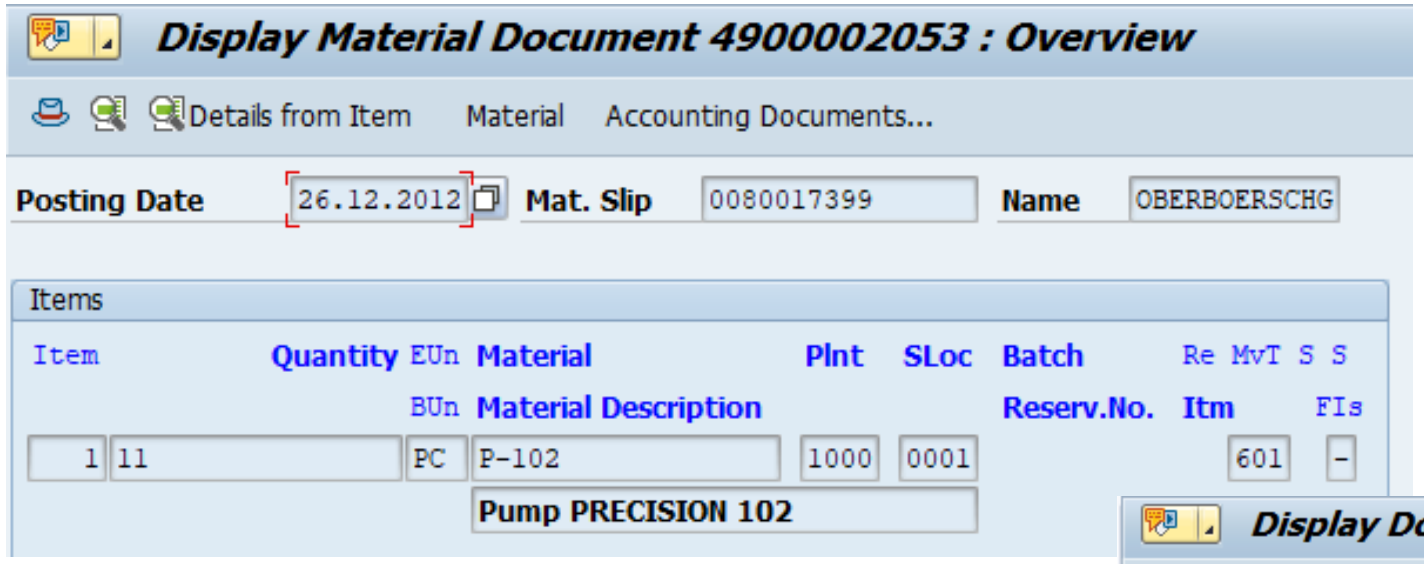
- Customer Account Sales and Company Code view
- Material Master
- GL Accounts (OI managed & Auto posted)
- Posting period in MM & FI open for posting (OMSY, OB52)
- Sales Order
- SD Enterprise Structure

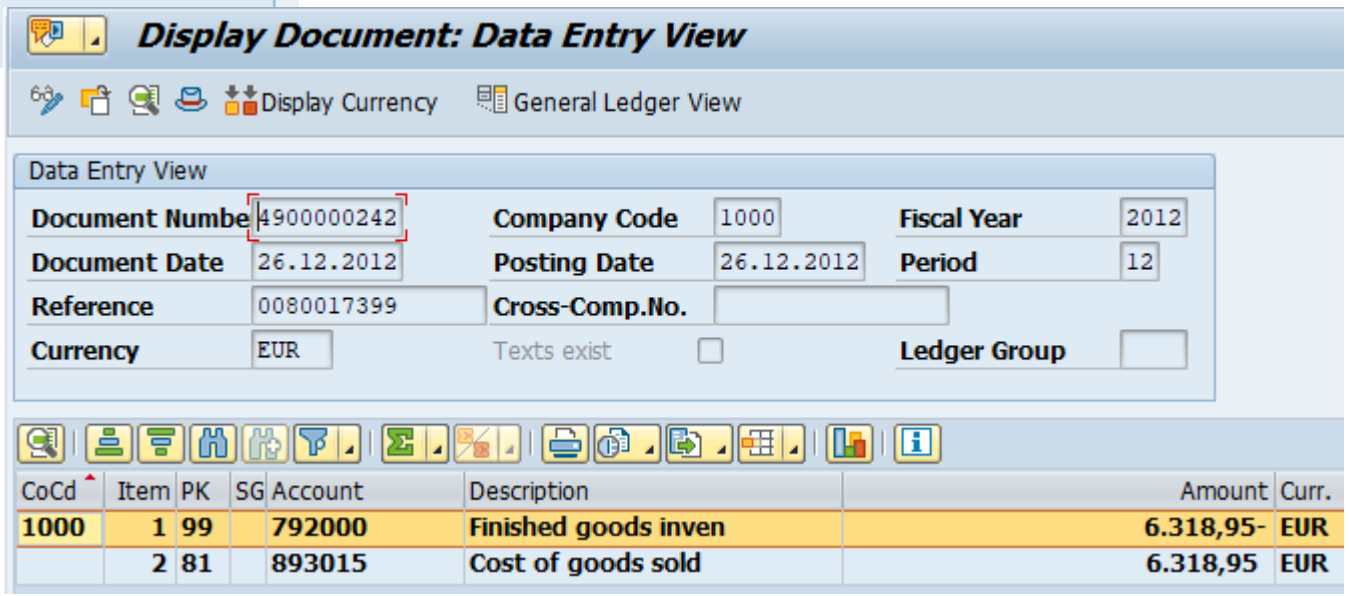
Order VA01/02/03



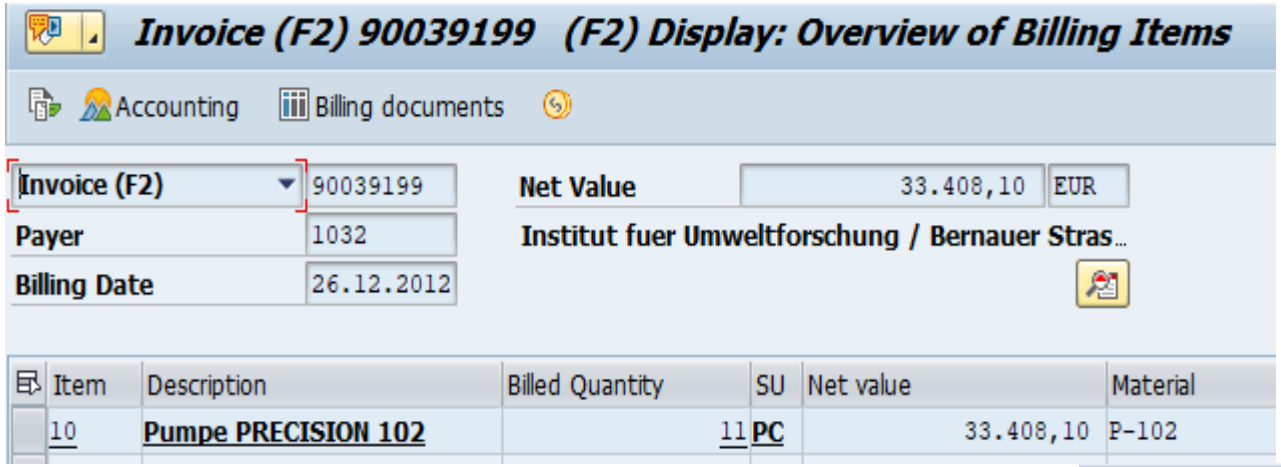


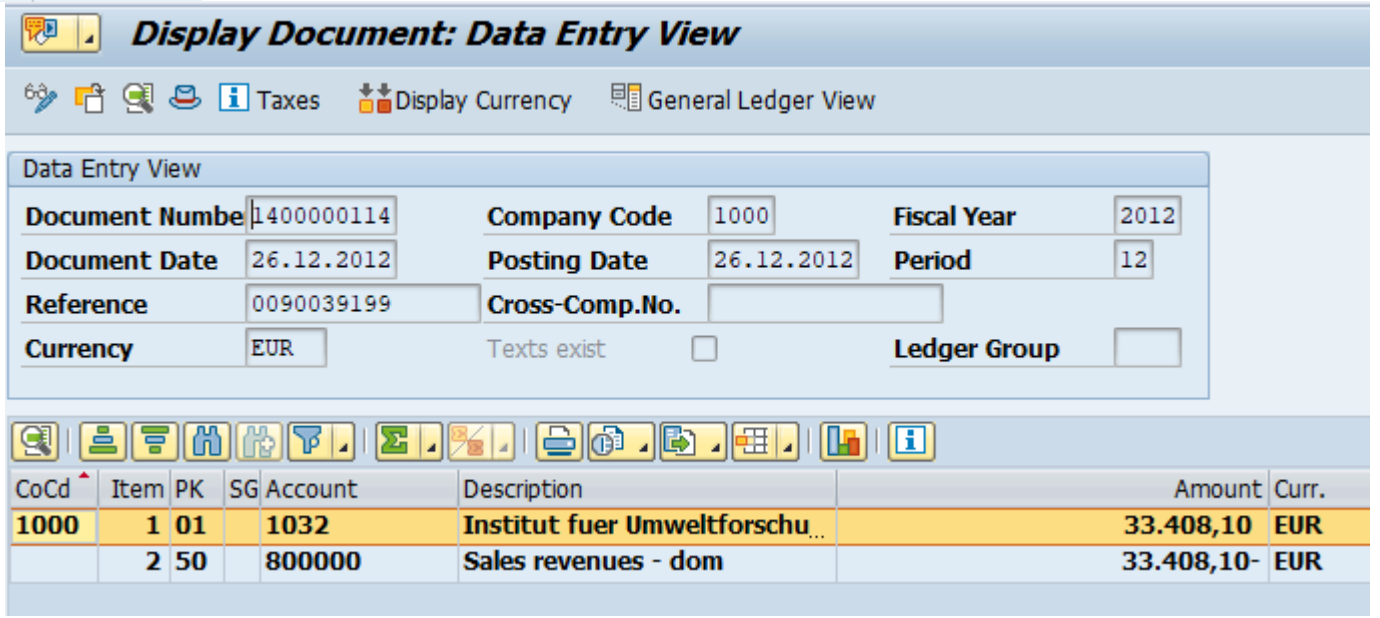
Delivery


Display Material Document 4900002053 : Overview
Details from Item
Material
Accounting Documents...
Posting Date
26.12.2012
Mat. Slip
0080017399
Name
OBERBOERSCHG
Items
Item
Quantity
EUn
Material
Plnt
SLoc
Batch
Re
MvT
S
S
BUn
Material Description
Reserv.No.
Itm
FIs
1
11
PC
P-102
1000
0001
601
-
Pump PRECISION 102


Display Document: Data Entry View
Display Currency
General Ledger View
Data Entry View
Document Numbe
4900000242
Company Code
1000
Fiscal Year
2012
Document Date
26.12.2012
Posting Date
26.12.2012
Period
12
Reference
0080017399
Cross-Comp.No.
Currency
EUR
Texts exist
Ledger Group
CoCd
Item
PK
SG
Account
Description
Amount
Curr.
1000
1
99
792000
Finished goods inven
6.318,95-
EUR
2
81
893015
Cost of goods sold
6.318,95
EUR

Invoice VF01/02/03





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Thanks!