Inter Company Billing - Automatic Posting To Vendor Account (SAP-EDI)

Automatic posting to vendor account is done by EDI. In our case where both companies are proccessed in the same system (& client), it is sufficient to create Idoc.

This proccess requires several steps:

1. Creating a ***Customer*** to represent the receiving Company.
2. Creating a ***Vendor*** to represent the supplying company.
3. Creating a ***Port***
4. Maintain an ***Output Type***
5. Creating a ***Logical Address***
6. Creating a ***Partner Profile*** for both Customer & Vendor
7. The relevant MM customizing is maintained.
8. The relevant FI customizing is maintained.

1. Creating a *Customer* to represent the receiving Company.

The customer has already been created (XD01) for the purpose of Intercompany processing and entered in the approperiate transction in customizing (Sales and Distribution → Billing → Intercompany Billing → Define Internal Customer Number By Sales Organization).

Note: The cutomer has been created in the supplying company code. The organizational data in this case is:

Supplying Company Code:	1180
Supplying Plant:	1180
Supplying Sales Organization:	1180
Supplying Distribution Channel:	01
Supplying Division:	00
Receiving Company Code:	3100
Customer representing the receiving Company Code:	P3100

You enter the Customer that represents the supplying Sales Organization and not the one that represents the receiving Sales Organization.

2. Creating a *Vendor* to represent the supplying company.

The Vendor is created with the standard transaction (XK01).
Note: The Vendor is created in the receiving Company Code. The organizational data in this case is the same as above.

Vendor representing the supplying Company Code: P1180

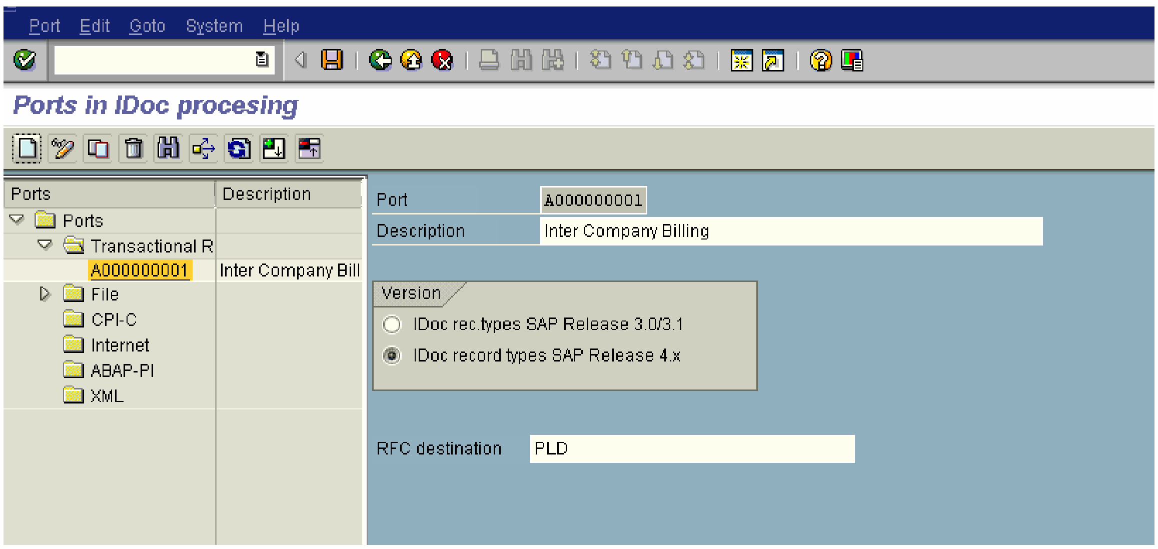
NOTE: There is **NO** need to “connect” vendor to customer in the control screen.

3. Creating a Port

Tools → Business Communication → IDoc Basis → Idoc → Port Definition
(T. Code WE21)

Maintain Transactional RFC: (Choose Transactional RFC and press the create icon).
A dialog box will open asking whether you want the system to generate an automatic name or whether you wish to use your own name.

Port name:	Automatically generated
Version:	4.x
RFC destination:	PLD (This was defined by the basis people).



4. Maintain *output type*

Output Type RD04 - Invoice Receipt MM is a special function, responsible for the execution of the Idoc and will be entered in the Partner Profile later on.

Output type RD04 is maintained: Img: Sales and Distribution → Basic functions → Output control → Output Determination → Output Determination Using the Condition Technique → Maintain Output Determination for Billing Documents → Maintain Output Types (T. Code V/40).

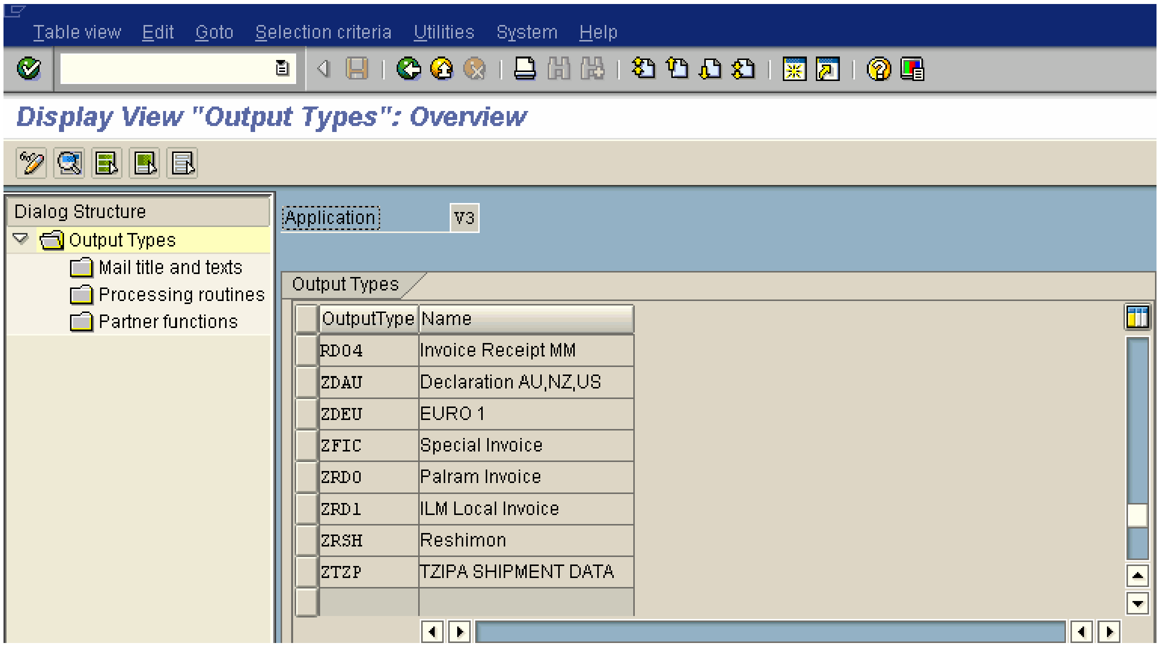


Table view Edit Goto Selection criteria Utilities System Help
Display View "Output Types": Overview
Dialog Structure
Output Types
Mail title and texts
Processing routines
Partner functions
Application V3
Output Types
OutputType Name
RD04 Invoice Receipt MM
ZDAU Declaration AU,NZ,US
ZDEU EURO 1
ZFIC Special Invoice
ZRD0 Palram Invoice
ZRD1 ILM Local Invoice
ZRSH Reshimon
ZTZP TZIPA SHIPMENT DATA

Details

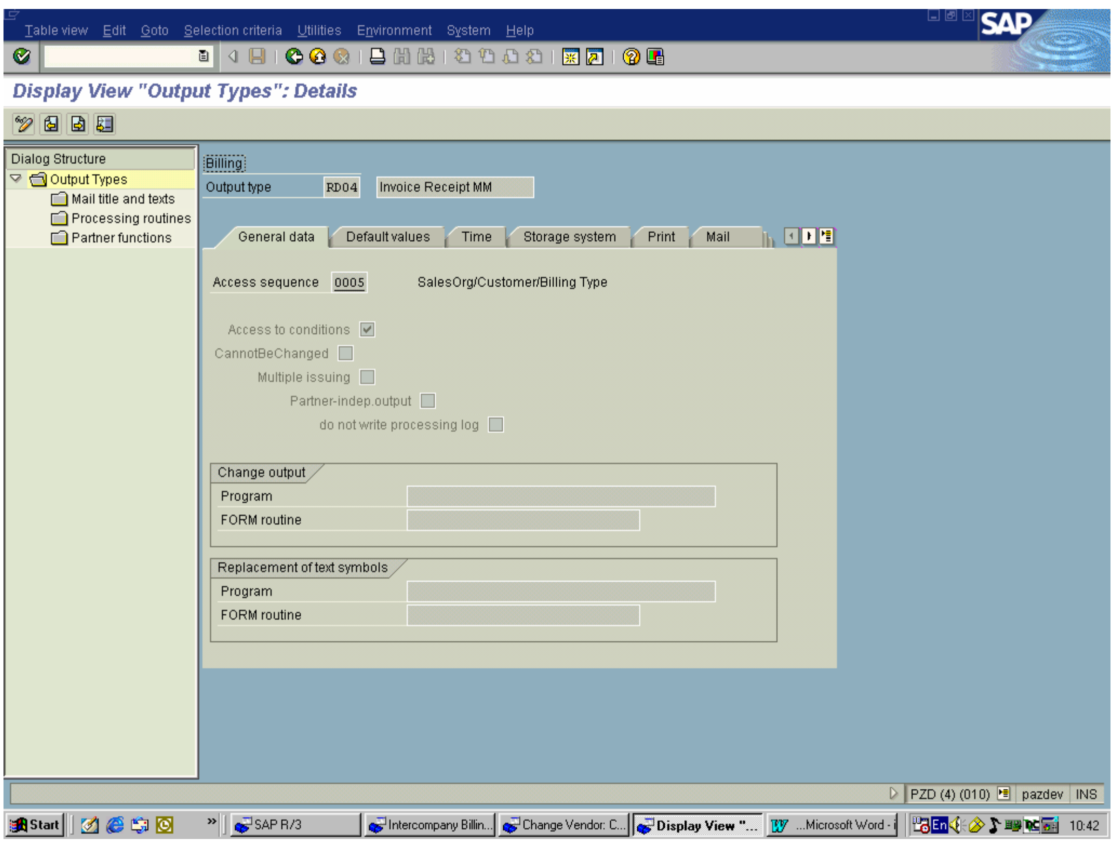


Table view Edit Goto Selection criteria Utilities Environment System Help
Display View "Output Types": Details
Dialog Structure
Output Types
Mail title and texts
Processing routines
Partner functions
Billing
Output type RD04 Invoice Receipt MM
General data Default values Time Storage system Print Mail
Access sequence 0005 SalesOrg/Customer/Billing Type
Access to conditions
CannotBeChanged
Multiple issuing
Partner-indep.output
do not write processing log
Change output
Program
FORM routine
Replacement of text symbols
Program
FORM routine
PZD (4) (010) pazdev INS

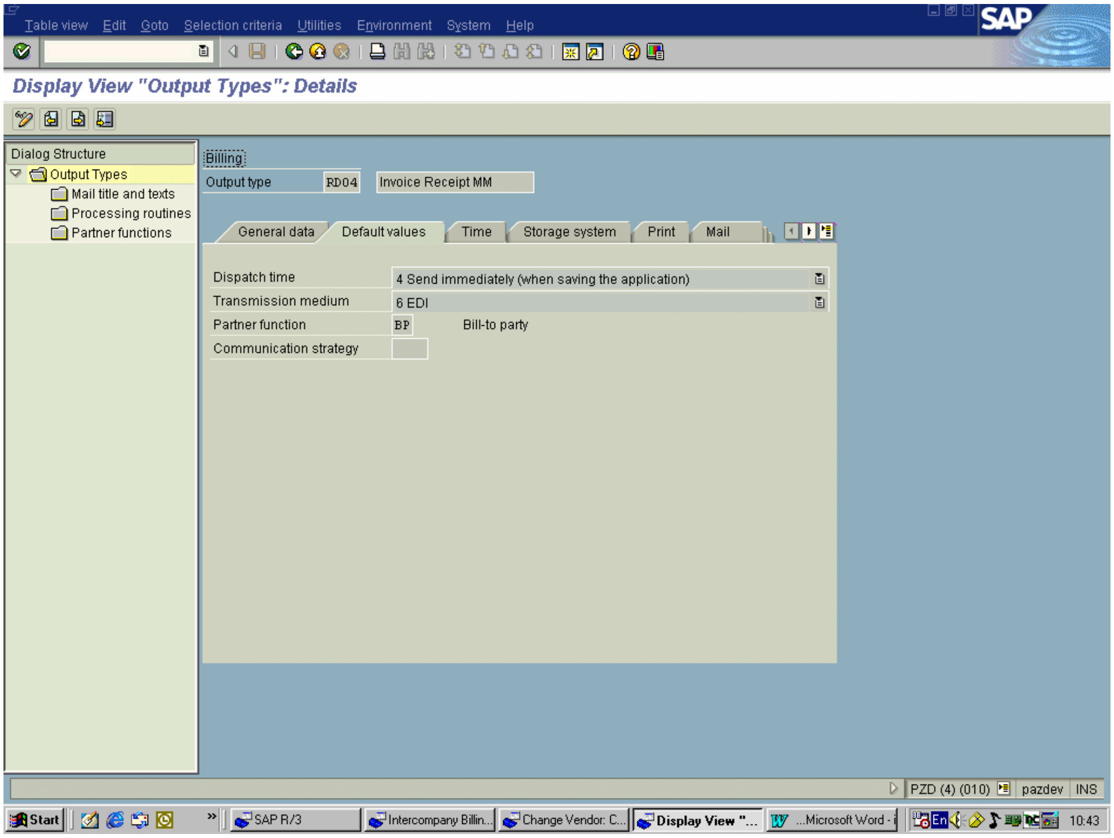


Table view Edit Goto Selection criteria Utilities Environment System Help
Display View "Output Types": Details
Dialog Structure
Output Types
Mail title and texts
Processing routines
Partner functions
Billing
Output type RD04 Invoice Receipt MM
General data
Default values
Time
Storage system
Print
Mail
Dispatch time 4 Send immediately (when saving the application)
Transmission medium 6 EDI
Partner function BP Bill-to party
Communication strategy
PZD (4) (010) pazdev INS

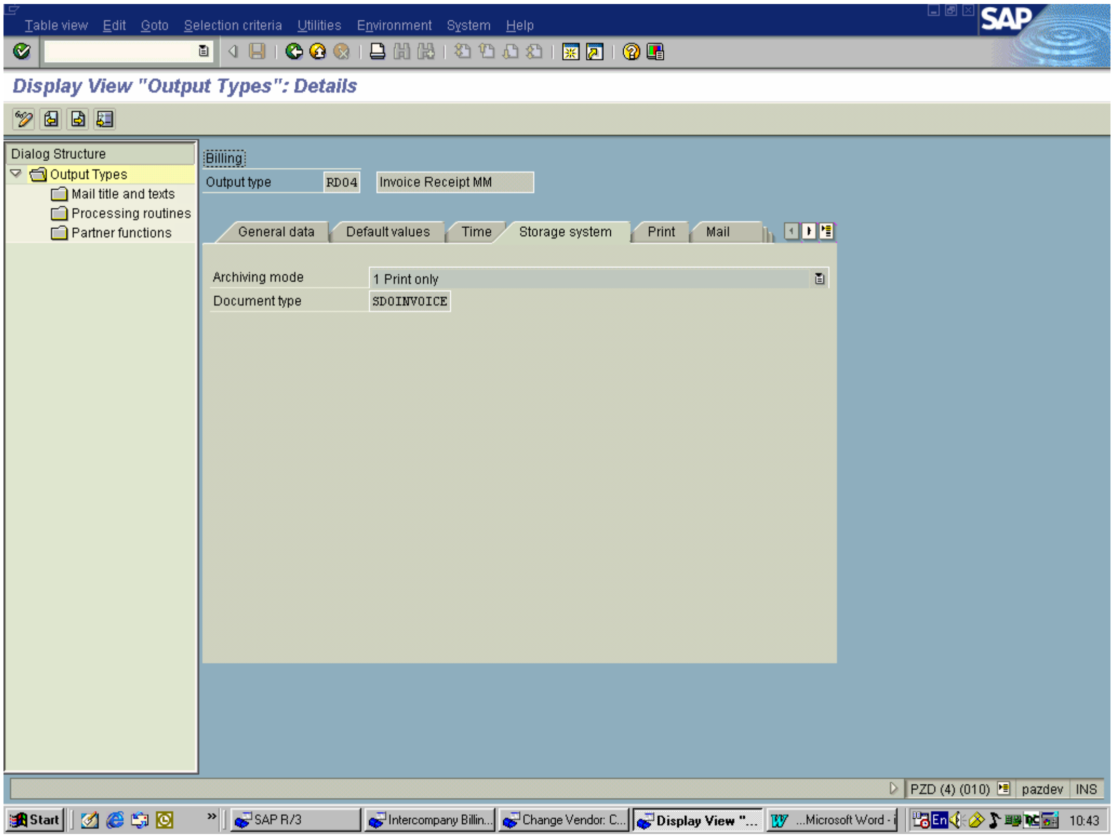


Table view Edit Goto Selection criteria Utilities Environment System Help
Display View "Output Types": Details
Dialog Structure
Output Types
Mail title and texts
Processing routines
Partner functions
Billing
Output type RD04 Invoice Receipt MM
General data
Default values
Time
Storage system
Print
Mail
Archiving mode 1 Print only
Document type SDOINVOICE
PZD (4) (010) pazdev INS
Start
SAP R/3
Intercompany Billin...
Change Vendor: C...
Display View "...
...Microsoft Word -
10:43

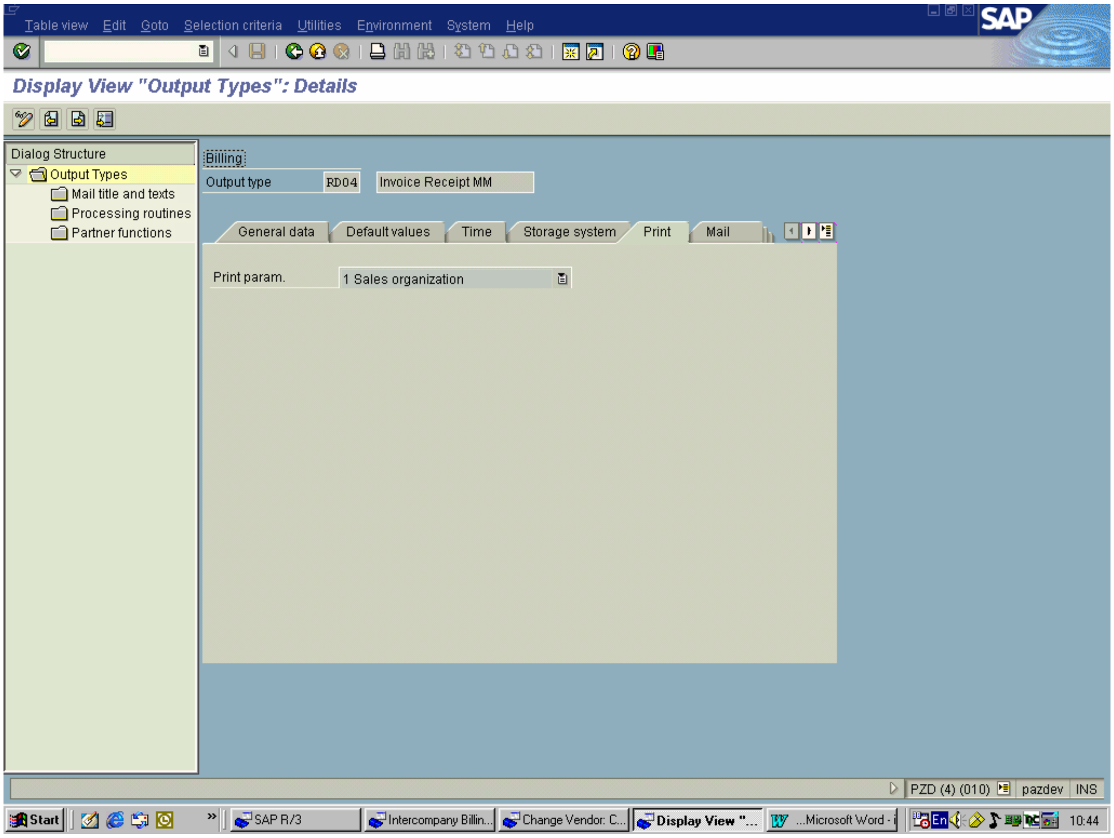
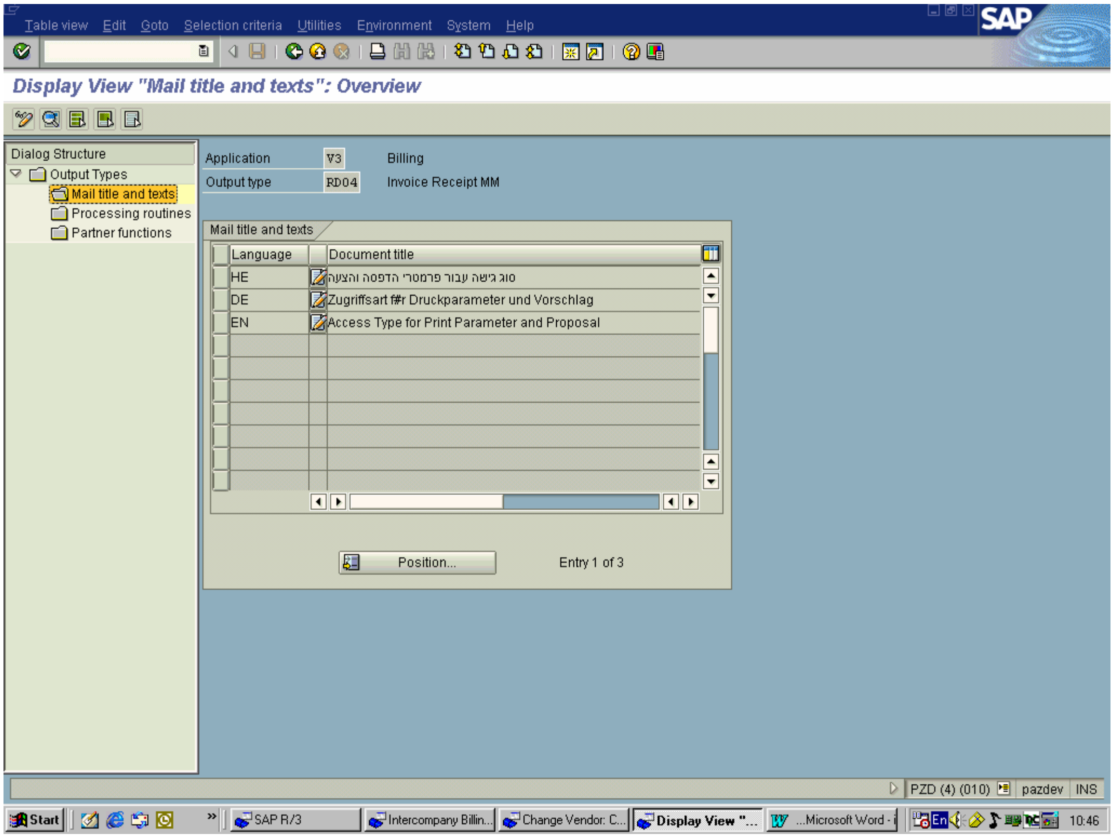
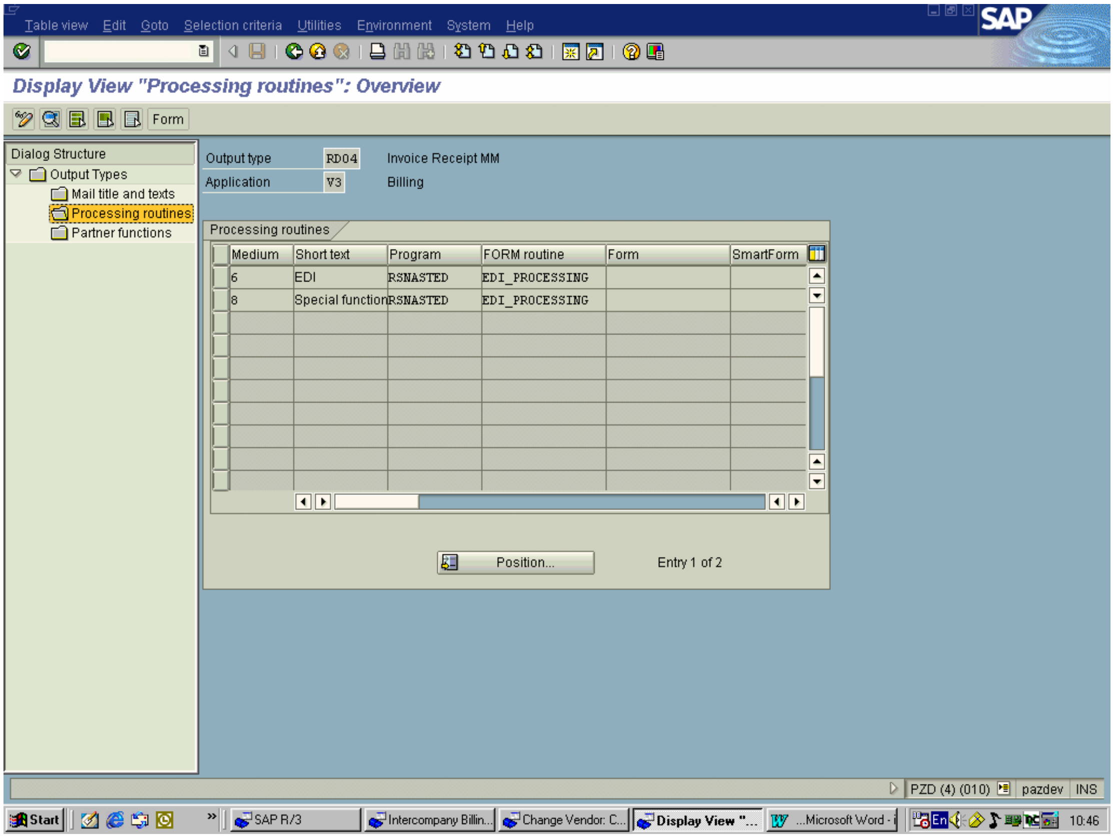


Table view Edit Goto Selection criteria Utilities Environment System Help
Display View "Output Types": Details
Dialog Structure
Output Types
Mail title and texts
Processing routines
Partner functions
Billing
Output type
RD04
Invoice Receipt MM
General data
Default values
Time
Storage system
Print
Mail
Print param.
1 Sales organization
PZD (4) (010)
pazdev
INS
Start
SAP R/3
Intercompany Billin...
Change Vendor: C...
Display View "...
...Microsoft Word -
10:44

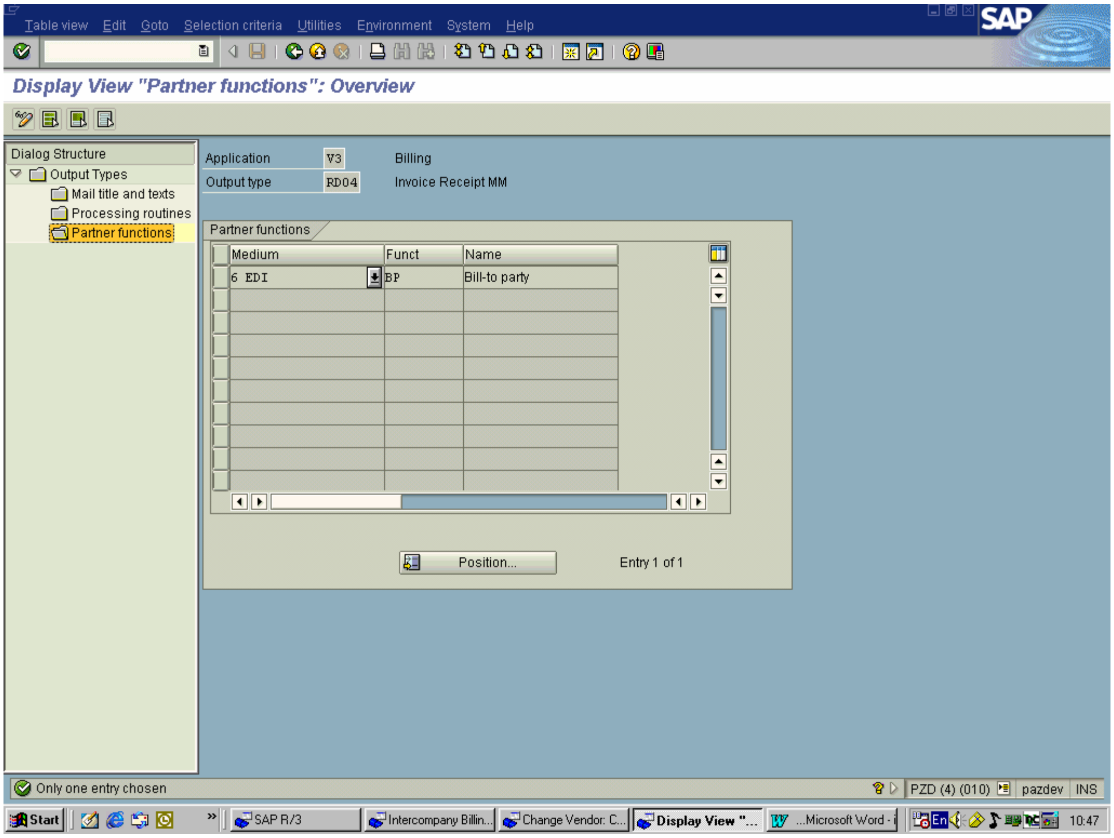
Mail title and texts



Processing routines

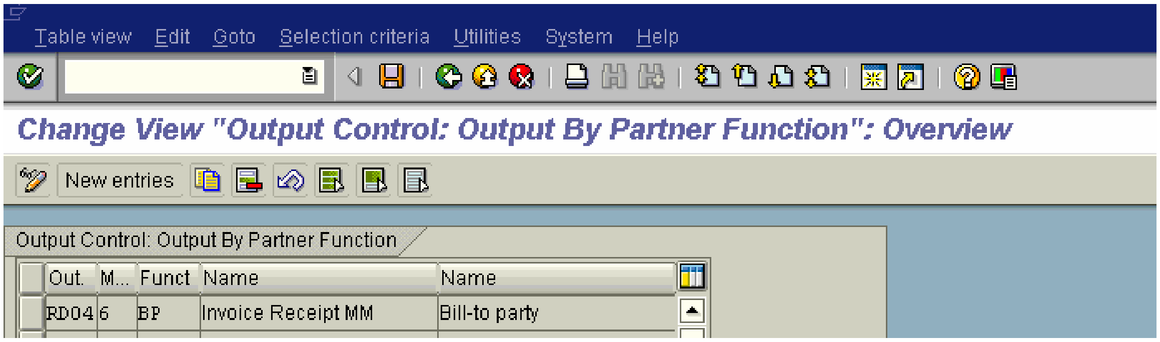


Partner functions

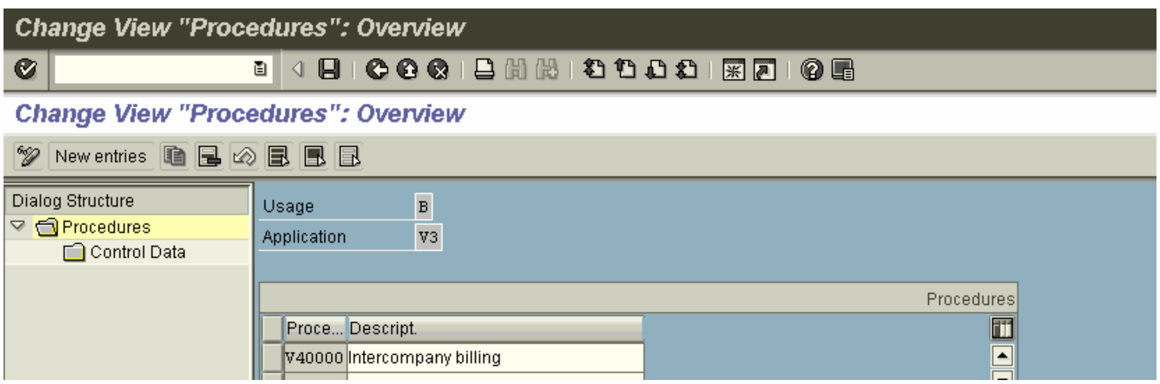


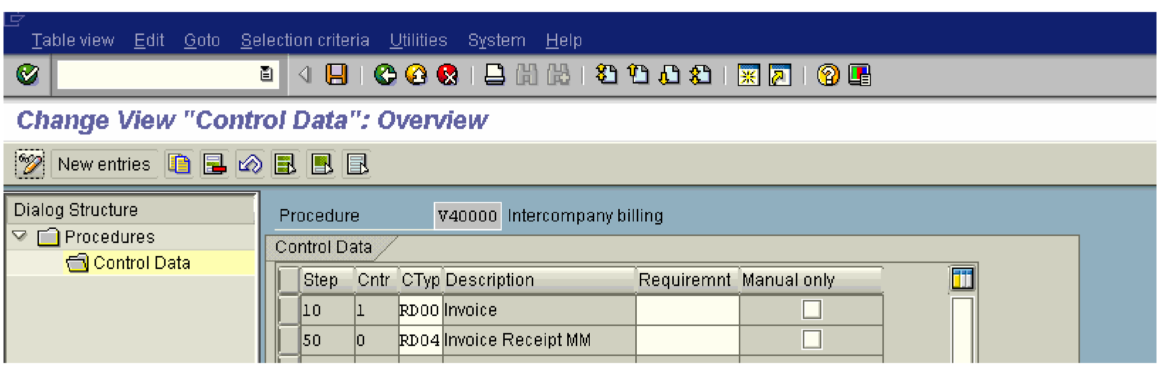
Sales and Distribution → Basic Functions → Output Control → Output Determination → Output Determination Using the Condition Technique → Maintain Output Determination for Billing Documents

Assign Output Types To Partner Functions

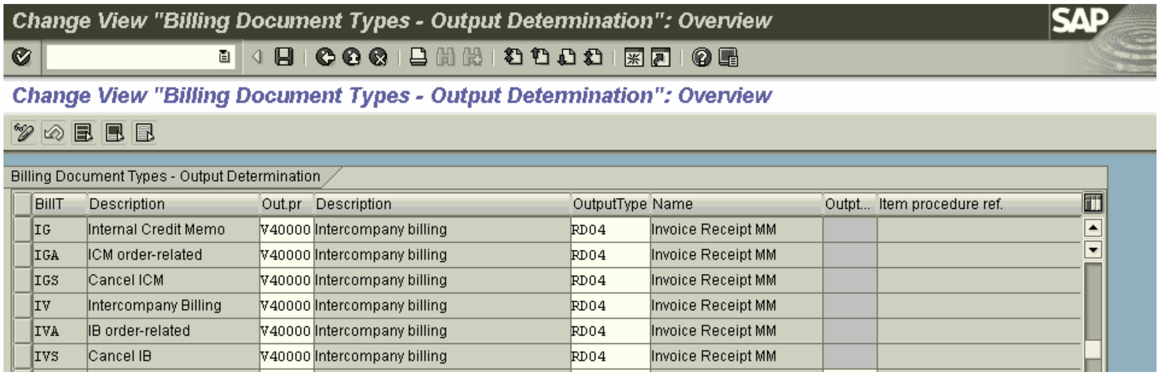


Maintain Output Determination Procedure





Assign Output Determination Procedures



BillT	Description	Out.pr	Description	OutputType	Name	Outpt...	Item procedure ref.
IG	Internal Credit Memo	V40000	Intercompany billing	RD04	Invoice Receipt MM		
IGA	ICM order-related	V40000	Intercompany billing	RD04	Invoice Receipt MM		
IGS	Cancel ICM	V40000	Intercompany billing	RD04	Invoice Receipt MM		
IV	Intercompany Billing	V40000	Intercompany billing	RD04	Invoice Receipt MM		
IVA	IB order-related	V40000	Intercompany billing	RD04	Invoice Receipt MM		
IVS	Cancel IB	V40000	Intercompany billing	RD04	Invoice Receipt MM		

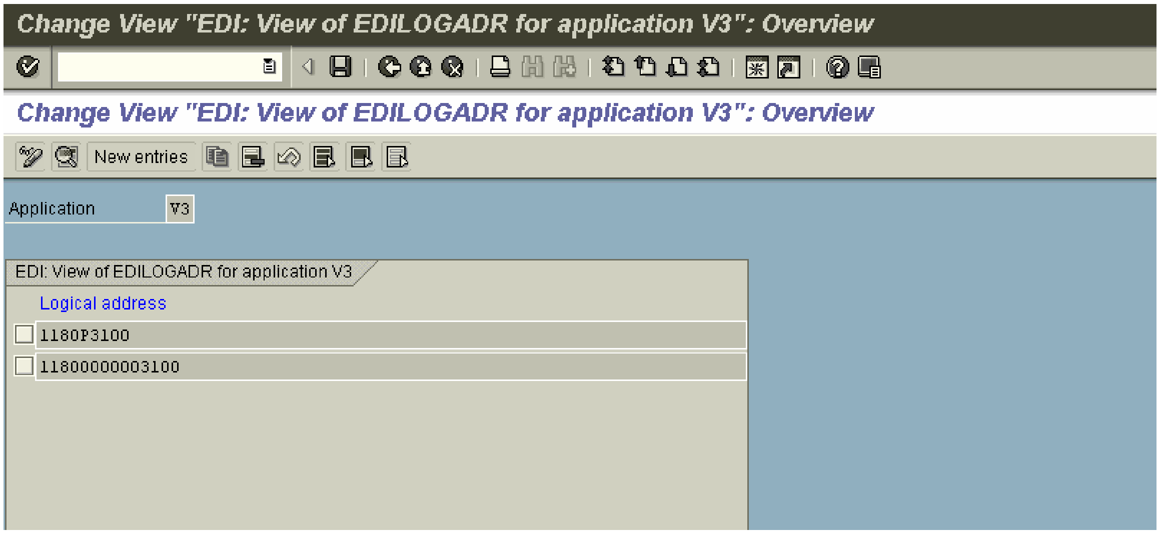
<u>Master Data</u>

Maintain output Master Data

Logistics → Sales and Distribution → Master Data → Output → (T. Code VV31)

5. Create Logical Address

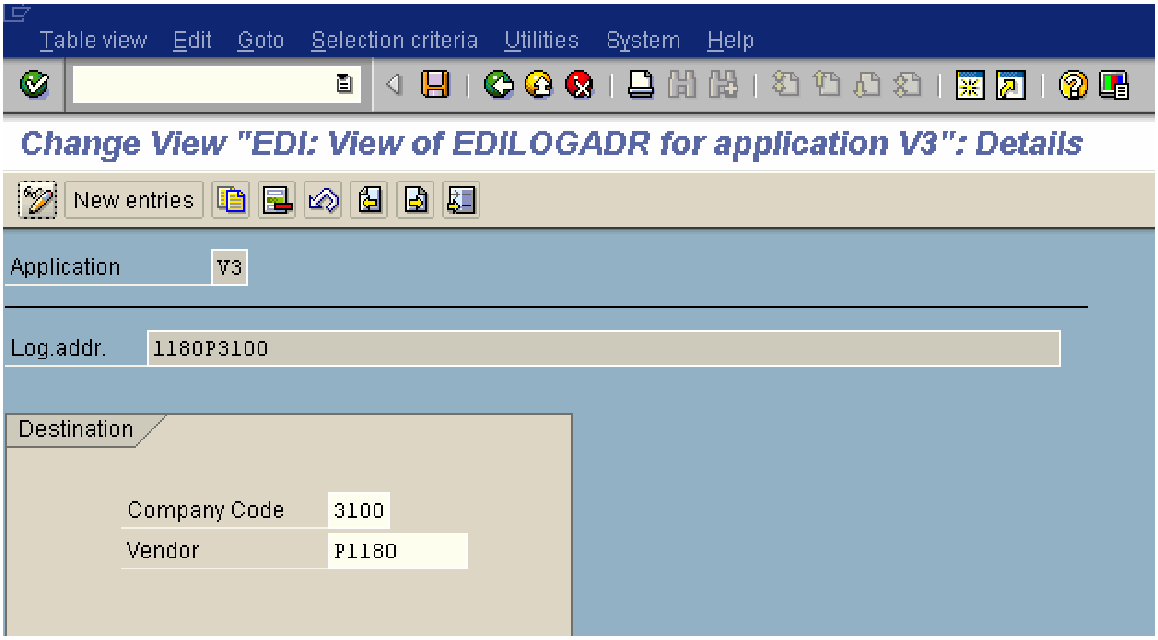
Img: Sales and Distribution → Billing → Intercompany Billing → Automatic Posting To Vendor Account (SAP-EDI) → Assign vendor. (T. Code WEL1)



Logical address 1180P3100 is made of the supplying Company Code (1180) and the receiving Customer (P3100).

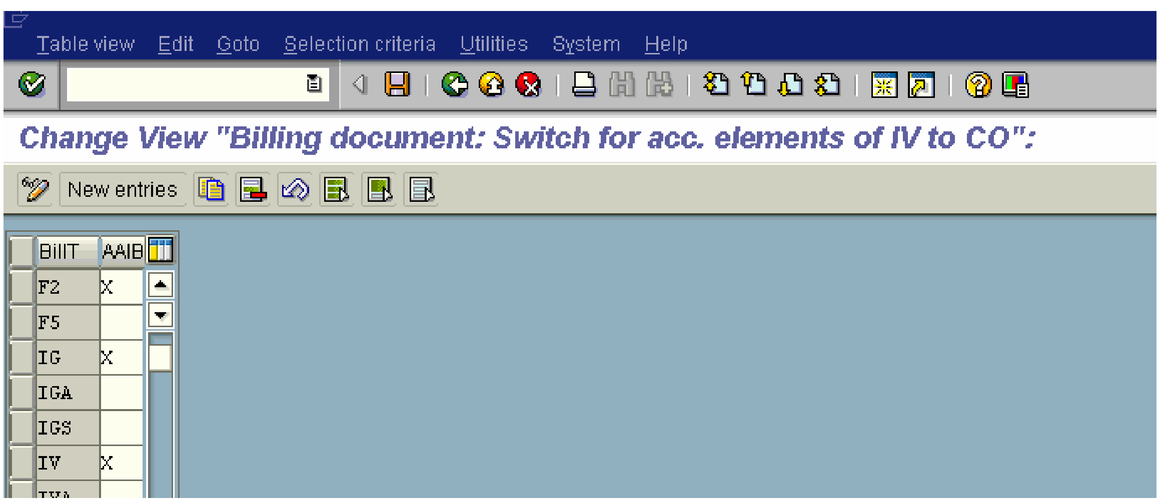
Note: If the receiving Customer is a numeric number you must add zeros between the Company code and Customer number so the Logical Address will be 14 digits.
E.g if the customer number was 3100, than the logical address would have been 1180**0000003**100 as can be seen in the second line. (In our case the customer is an alpha numeric number so the second line was not necessary. It was created just for this documentation and was not saved)

The Logical address is completed when the receiving Company Code and the Vendor are entered in the detail screen.



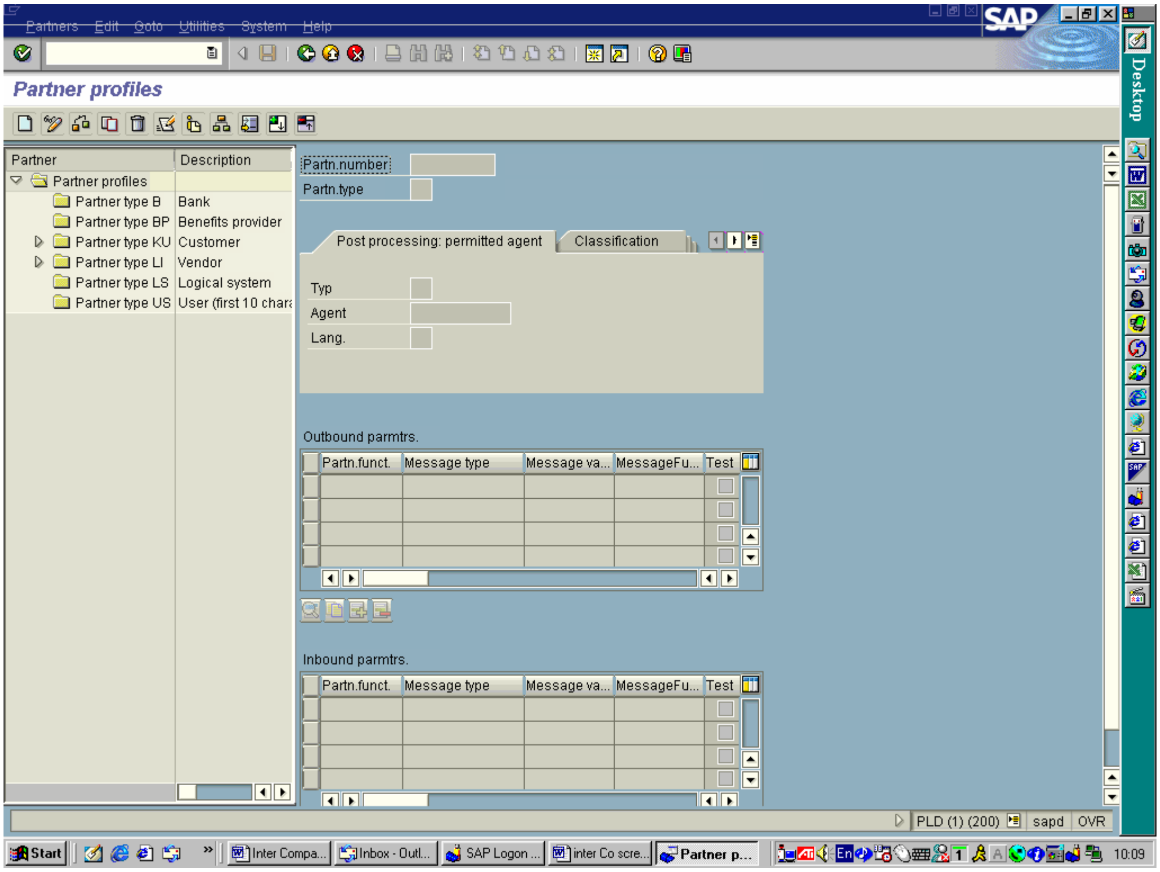
It is also necessary to activate the account assignment.

Img: Sales and Distribution → Billing → Intercompany Billing → Automatic Posting To Vendor Account (SAP-EDI) → Activate account assignment.

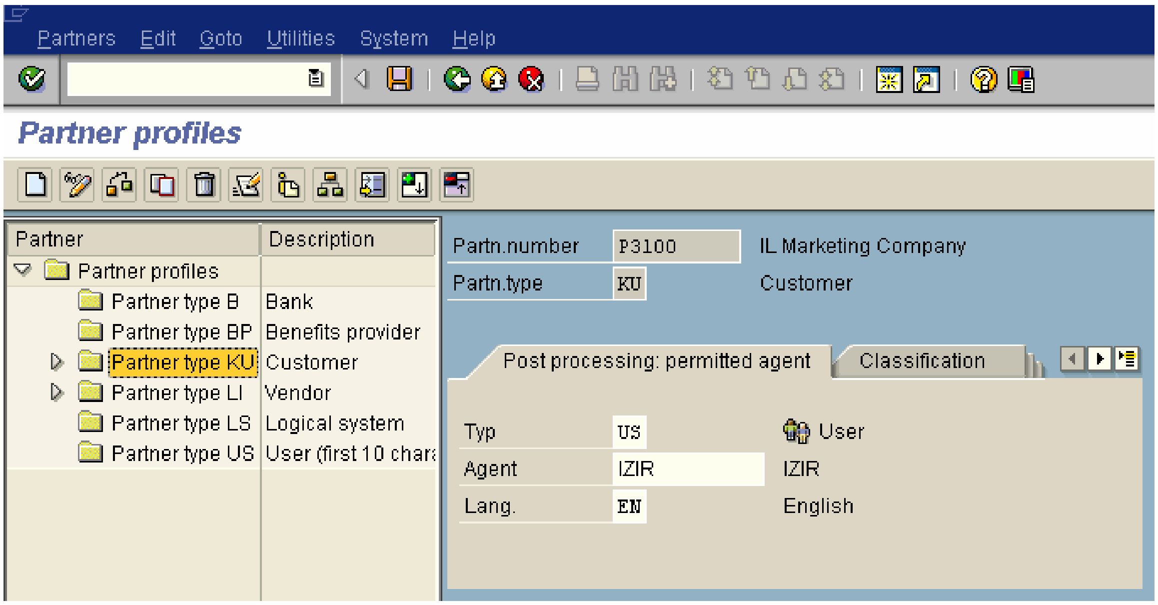


6. Creating a *Partner Profile* for both Customer & Vendor

Tools → Business Communication → IDoc Basis → Idoc → Partner Profile (T. Code WE20)

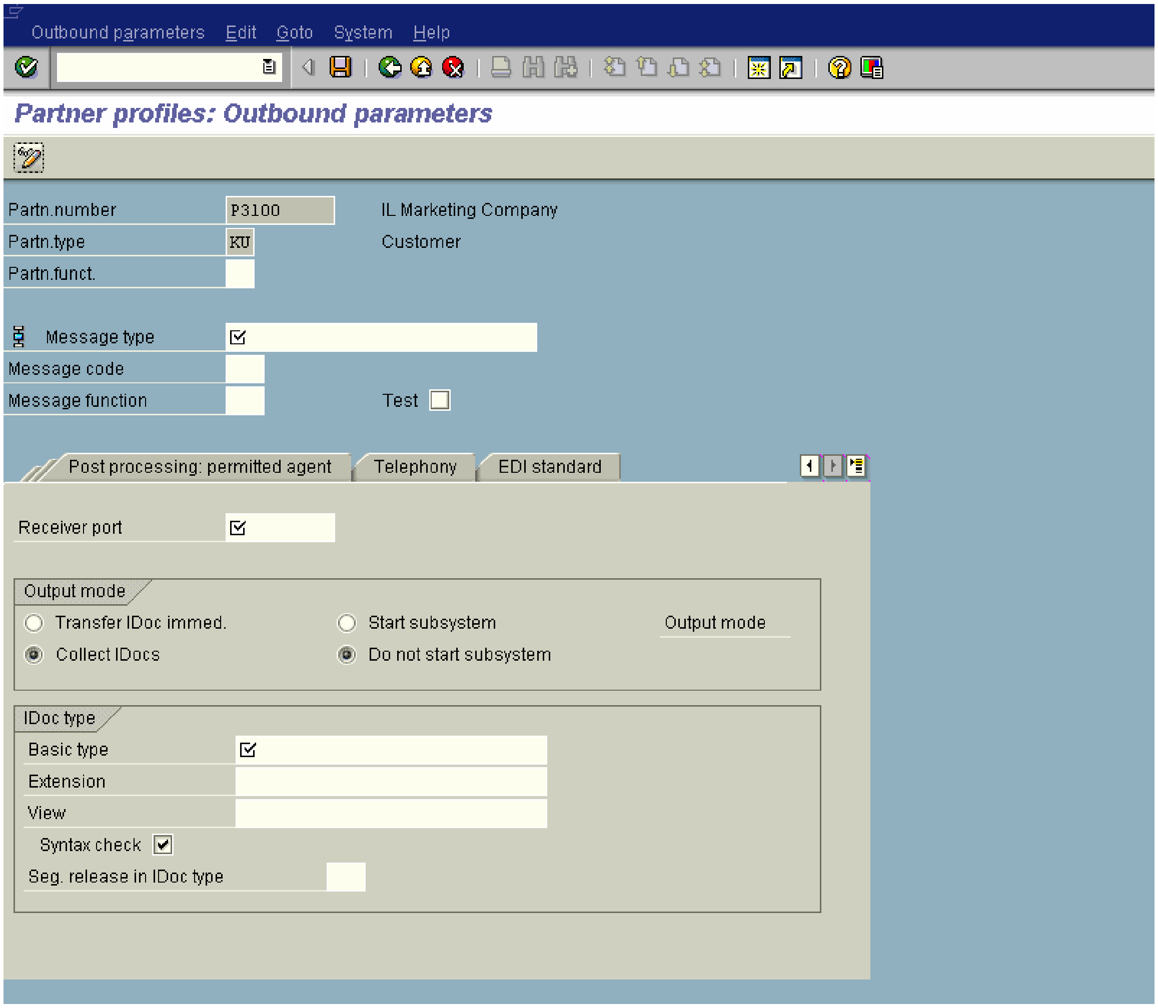


Customer:
Put cursor on Partner type KU and press create.
Enter typ, Agent & Lang,
SAVE



Press  in outbound paratrs. Section, to maintain detail screens

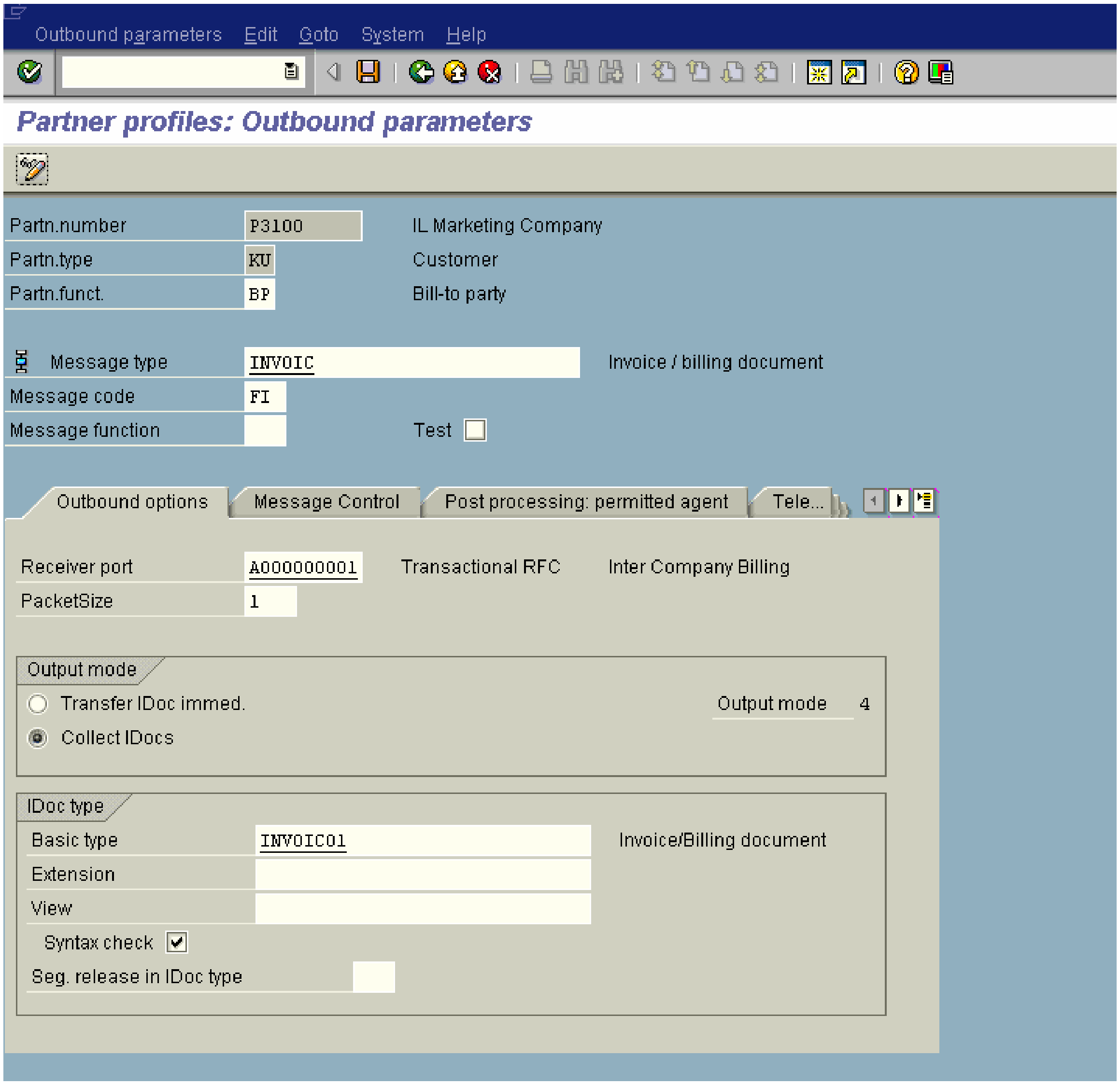
The following screen will appear.



Enter the following data in the appropriate fields:

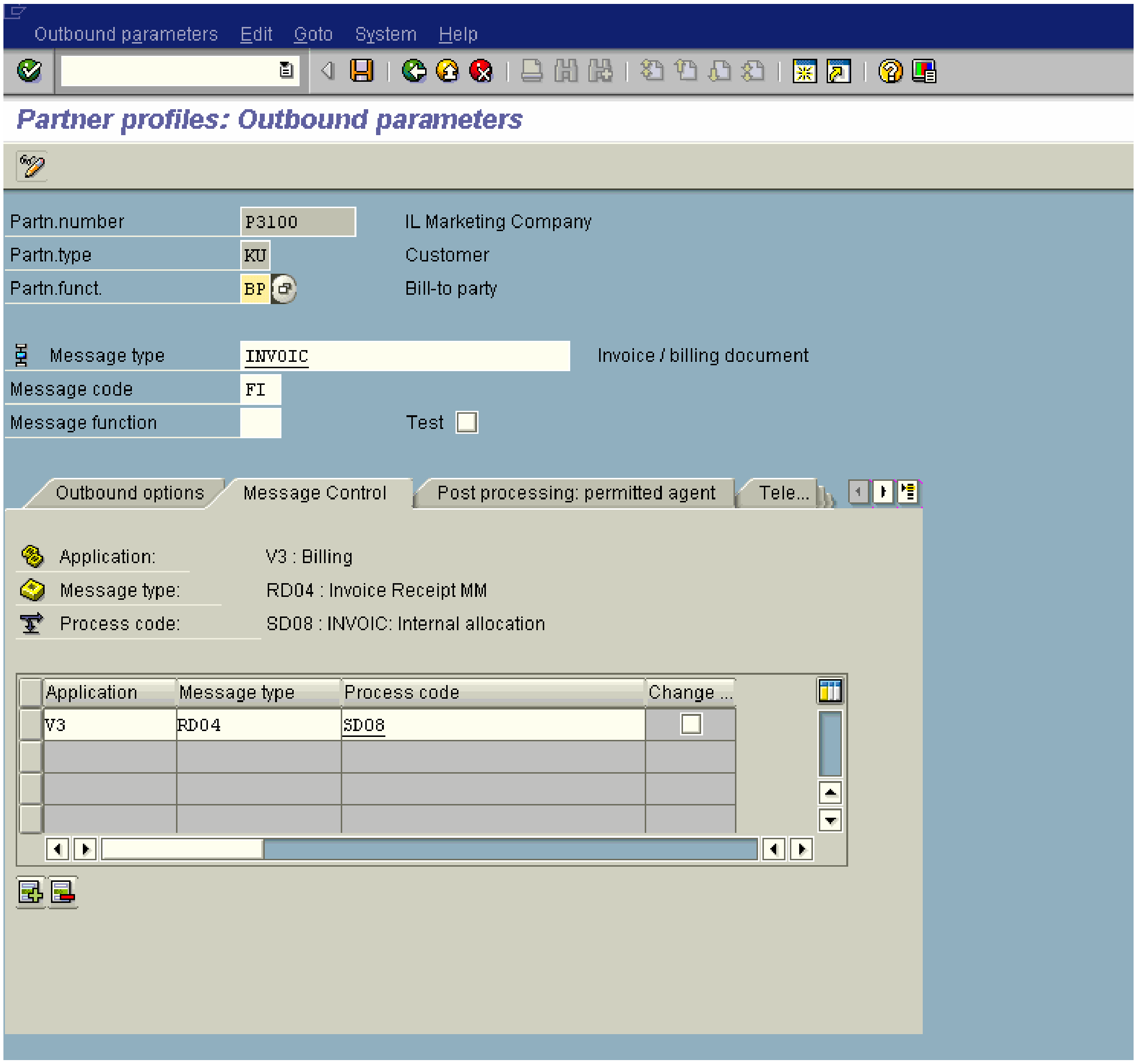
Partn.funct.	BP
Message type	INVOIC
Message Code	FI
Receiving port	A000000001
Basic Type	INVOIC01

Press enter and the screen will change to the following:

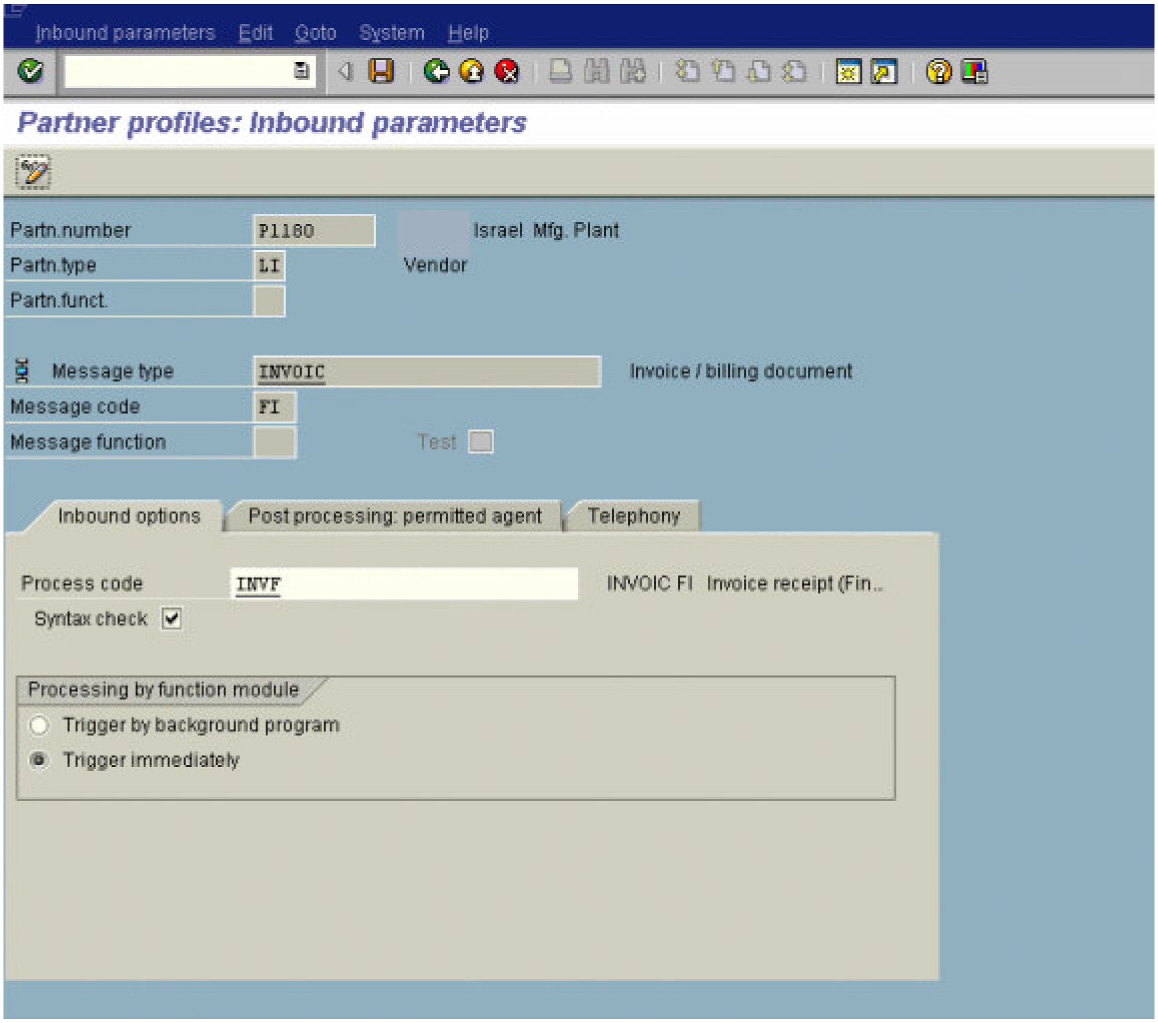


Enter PaketSize 1

Go to the Message Control tab press and enter the data as specified in the following screen



You can repeat the process for cases where invoice verification is done against purchase order. in this case enter MM in “message code field.

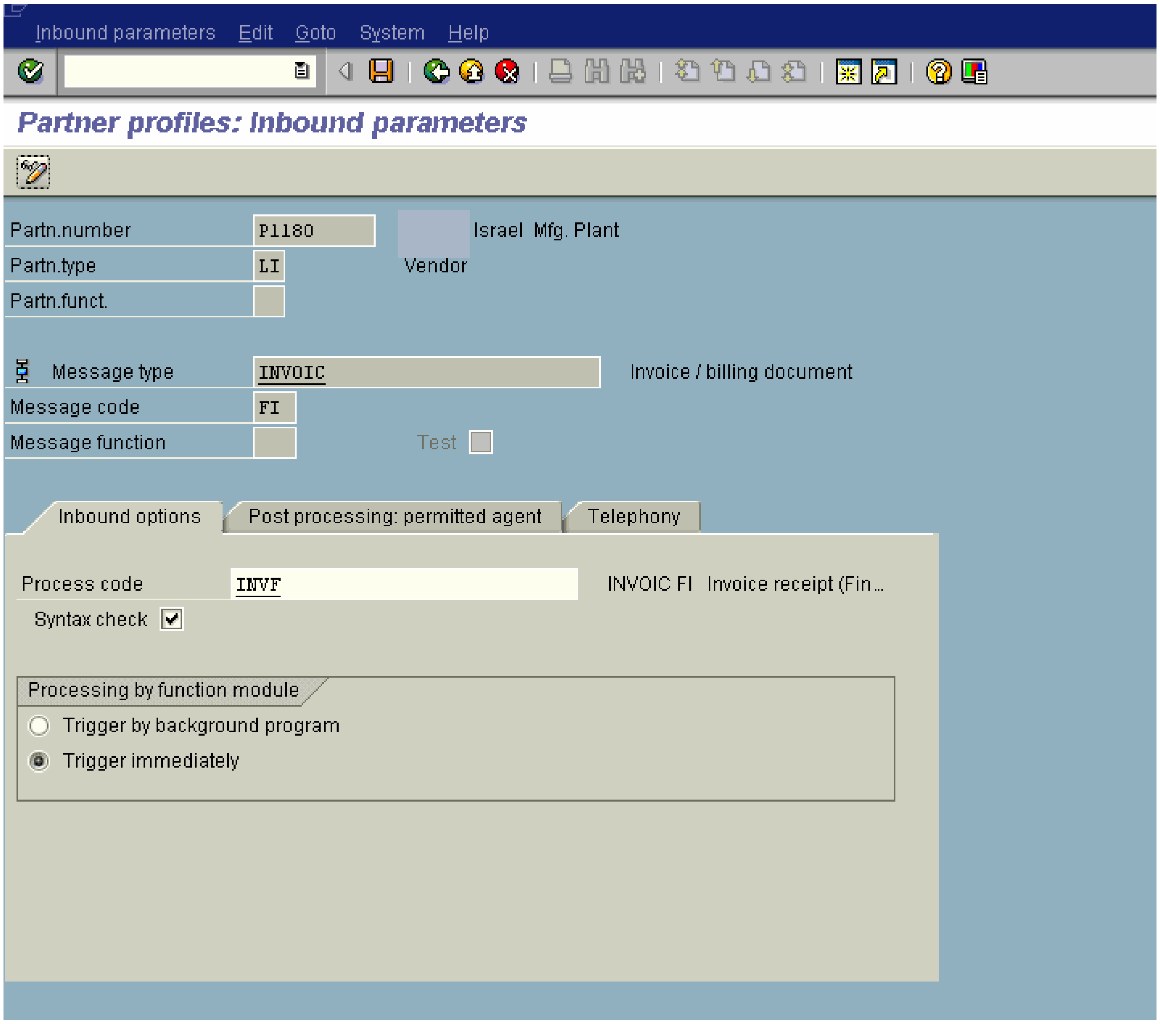


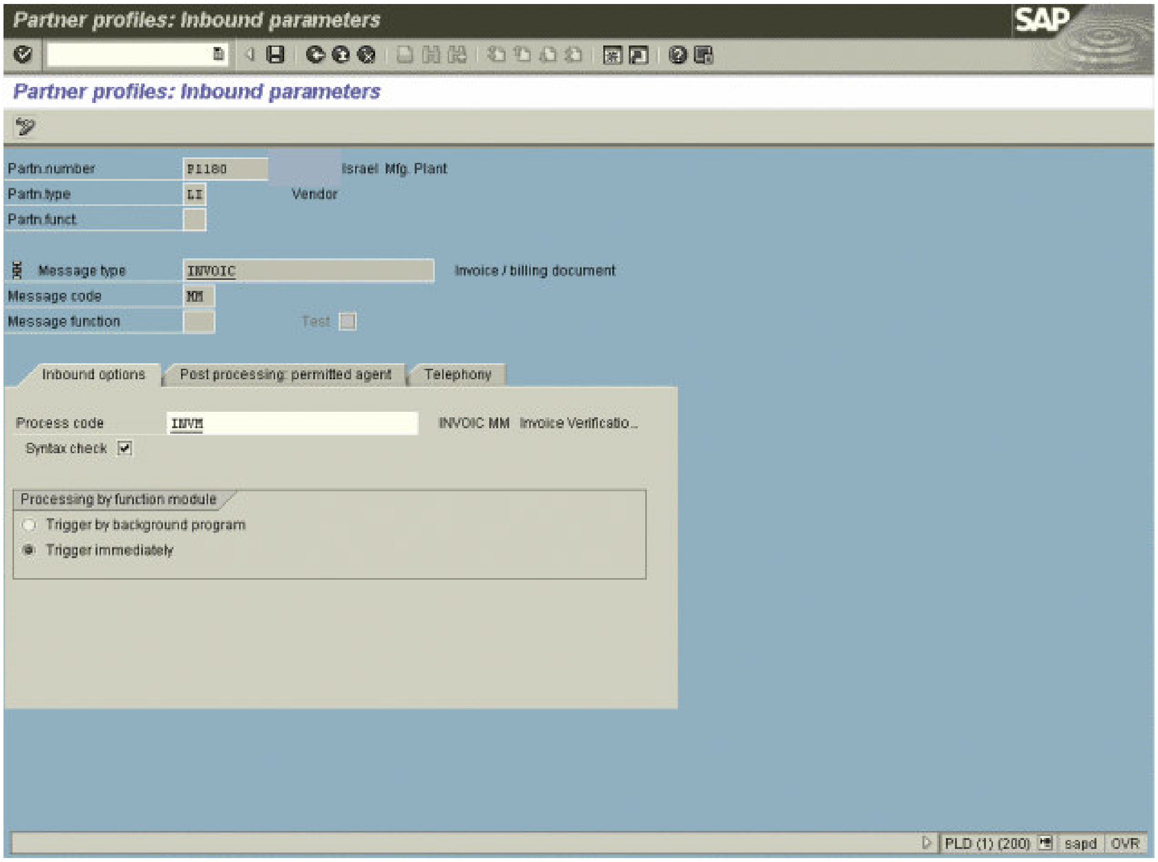
As you can see the only difference between the FI & MM invoice is in the message code and output type.

NOTE: You cannot use output type RD04 again therefore you must copy it in customizing to another output type (in this case RD00)

Vendor

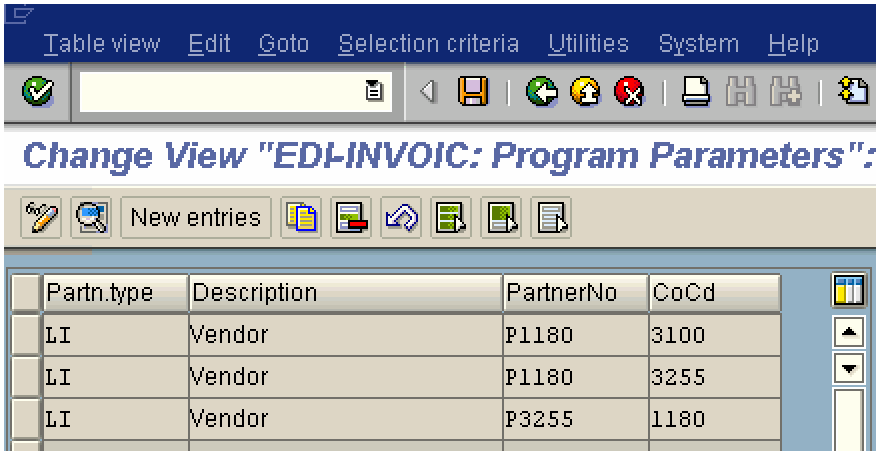
Follow the same procedures but maintain the inbound paratrs. Screen as follows:




Partner profiles: Inbound parameters
SAP
Partner profiles: Inbound parameters
Partn.number
P1180
Israel Mfg. Plant
Partn.type
LI
Vendor
Partn.funct.
Message type
INVOIC
Invoice / billing document
Message code
MM
Message function
Test
Inbound options
Post processing: permitted agent
Telephony
Process code
INVM
INVOIC MM Invoice Verificatio...
Syntax check
Processing by function module
Trigger by background program
Trigger immediately
PLD (1) (200)
sapd
OVR

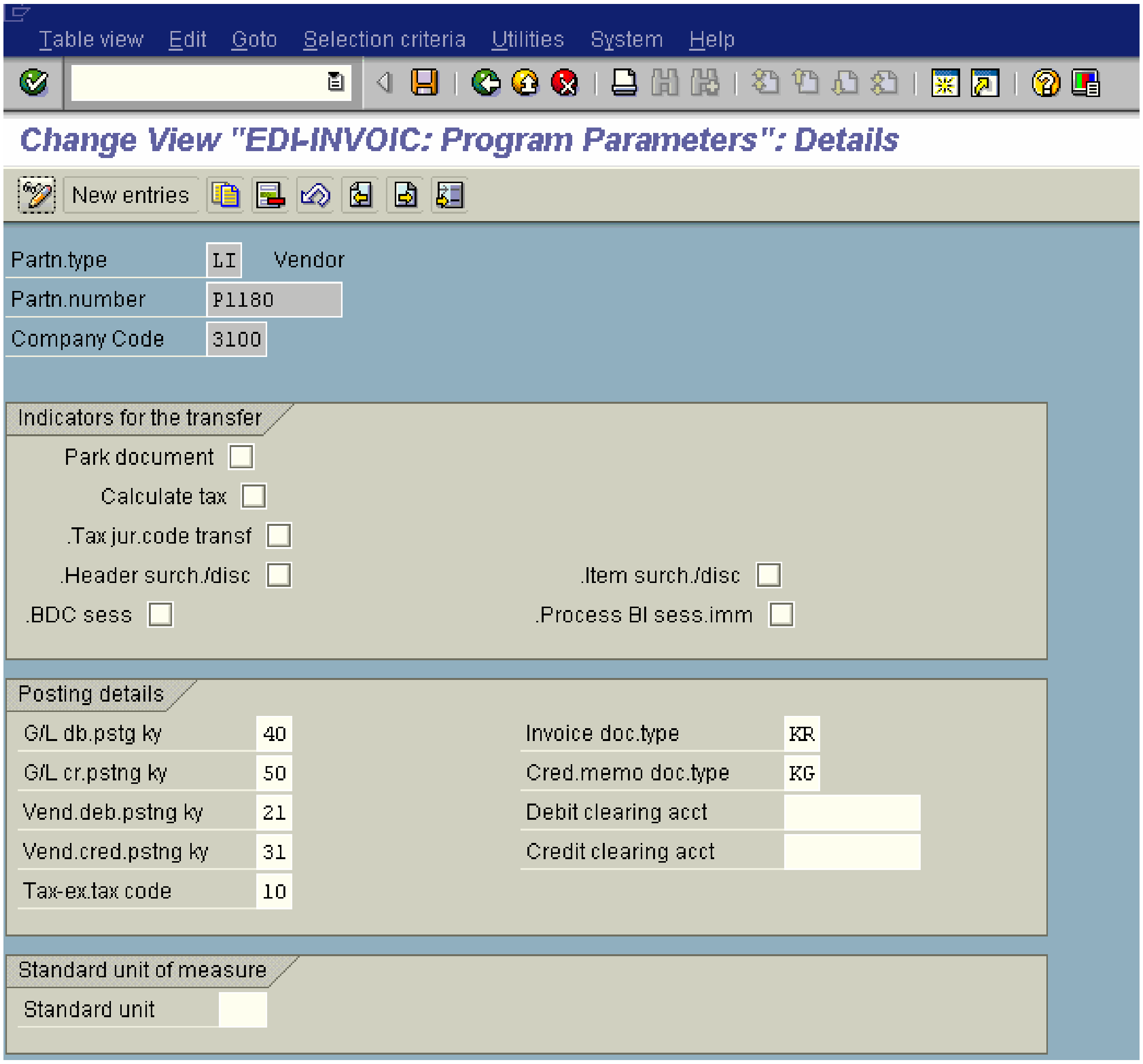
FI CUSTOMIZING

Financial Accounting → Accounts Receivable and Accounts Payable → Business Transactions → Incoming Invoices/Credit Memos → EDI → Enter Program Parameters for EDI Incoming Invoice (T. Code OBCE)

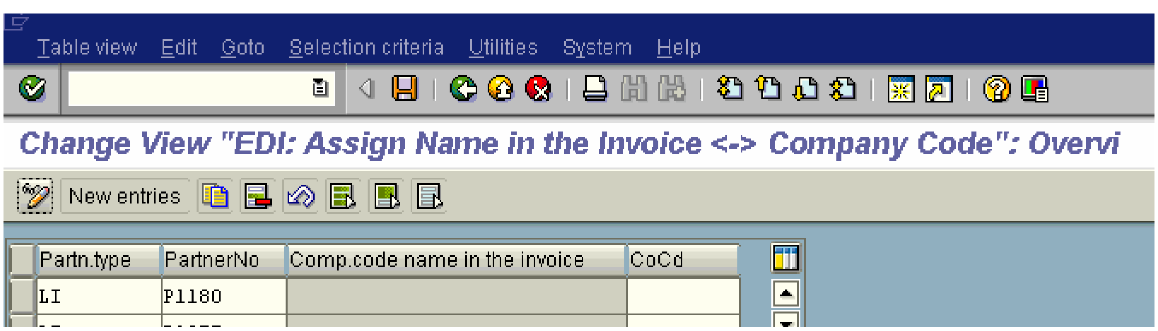


Make sure to maintain posting types, tax code and invoice doc.type. Use KR when not using purchase order & RE when using purchase order.

Details

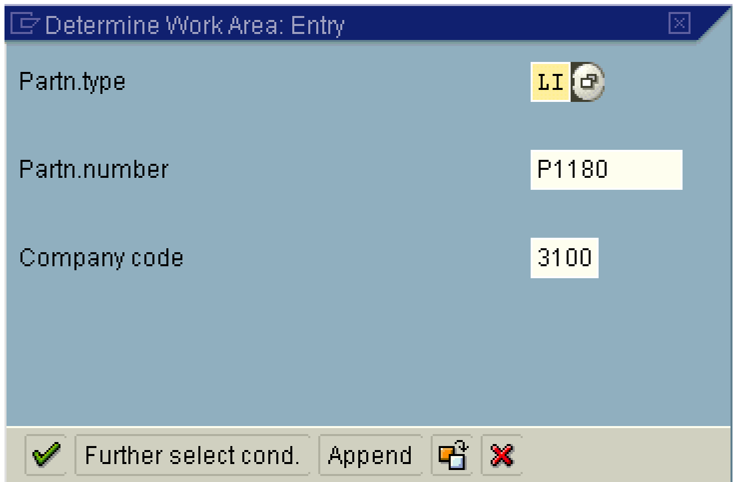


Assign Company Code for EDI Incoming Invoice

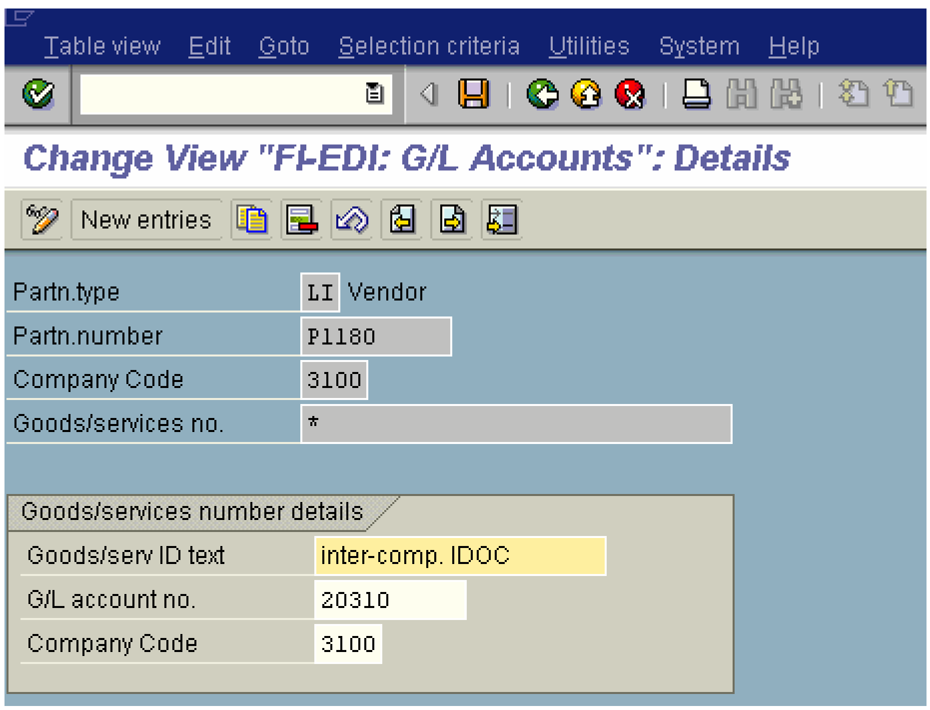


By leaving the field CoCD blank, all company codes are available.

Assign G/L Accounts for EDI Procedures (T. Code OBCB)



P1180 = Vendor
3100 = Company Code of receiving company (of customer)



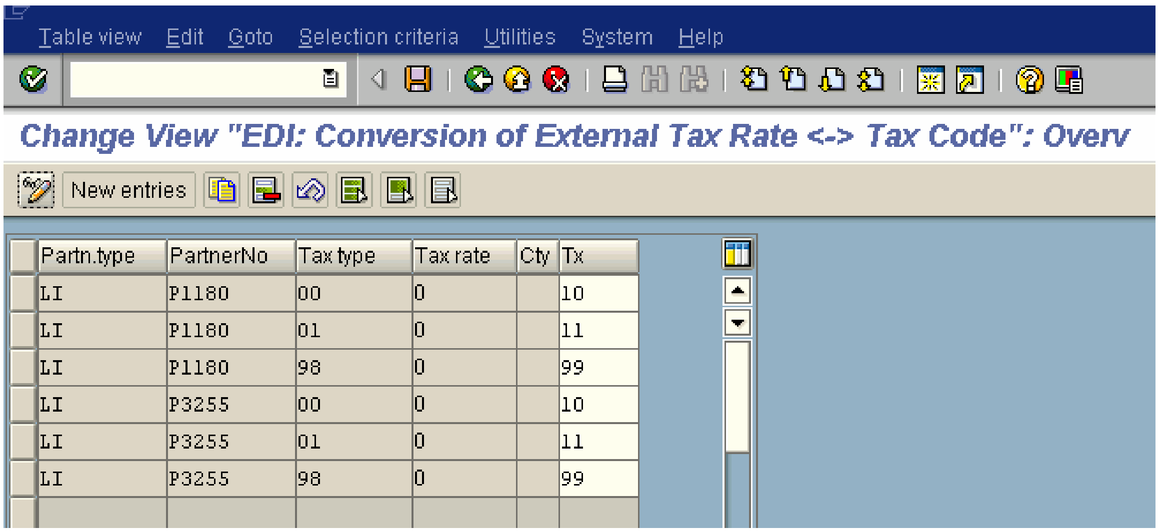
NOTE:

G/L account should not be connected to CO.

Assign Tax Codes for EDI Procedures (T.Code OBCD)

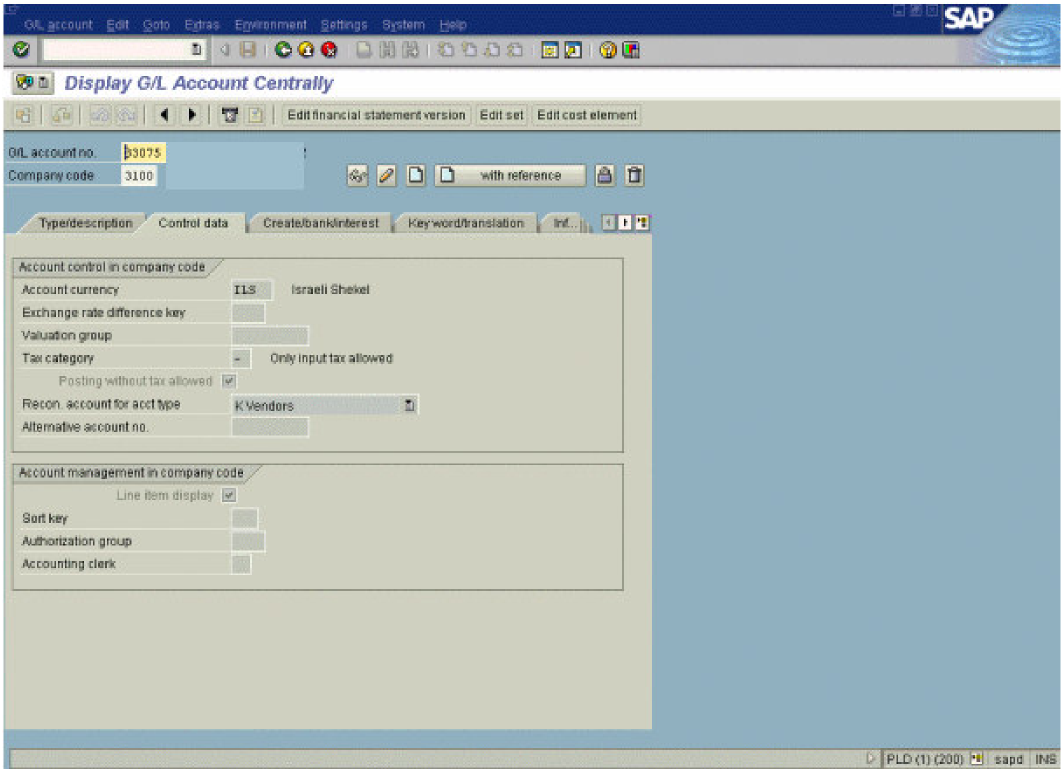
It is necessary to match the output tax from the sales order to the input tax.

Tax type = Output Tax
Tx = Input Tax



Partn.type	PartnerNo	Tax type	Tax rate	Cty	Tx
LI	P1180	00	0		10
LI	P1180	01	0		11
LI	P1180	98	0		99
LI	P3255	00	0		10
LI	P3255	01	0		11
LI	P3255	98	0		99

Accounting → Financial Accounting → General Ledger → Master Records → Individual Processing → Centrally (T.Code FS00)



G/L account no. = account number that was entered in transaction OBCB (page 24)
Tax category must allow for input tax.

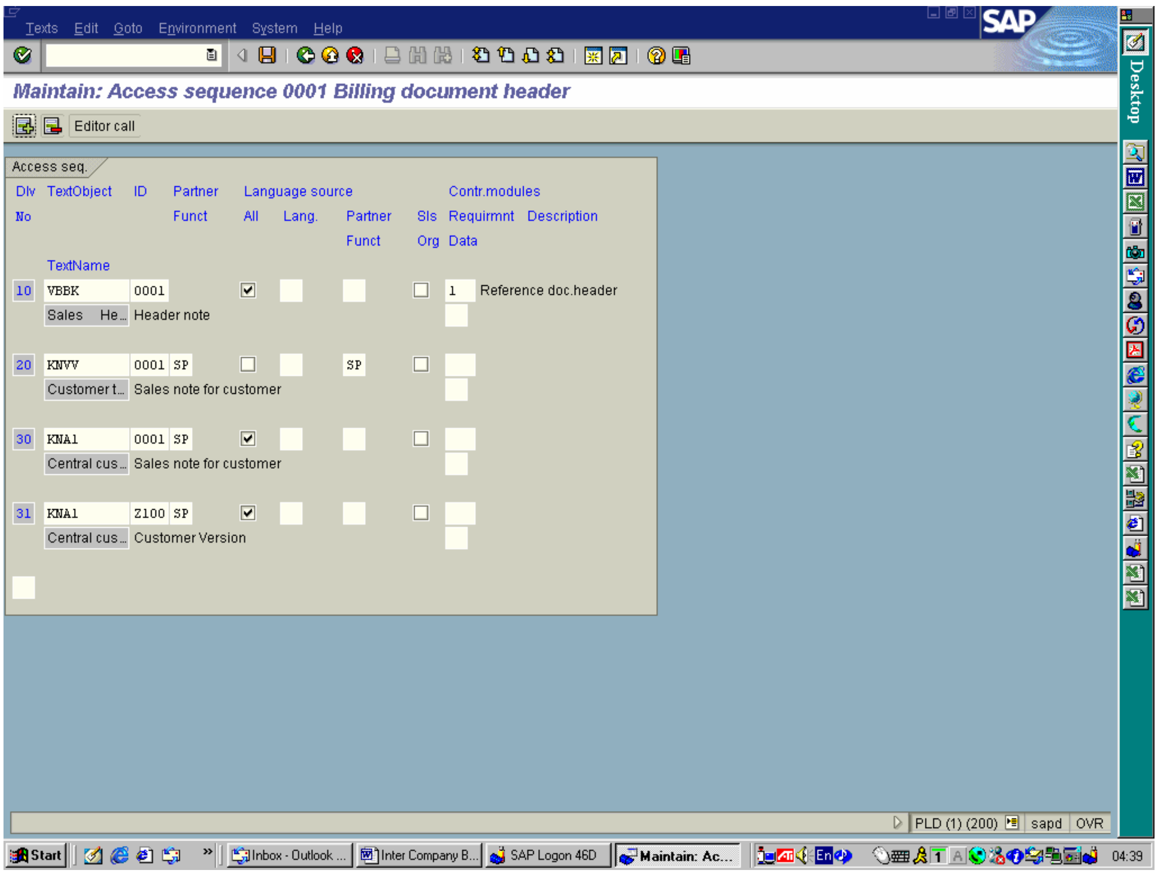
Make sure manual posting is allowed for the G/L account. ("Create/Bank/Interest" screen).

TEXT

In many cases the G/L account has been configured so that text is mandatory. This could be either Header Text or Item Text.

Header Text

No special configuration is necessary. Just enter text in the "Header note". You may use the following access sequence.



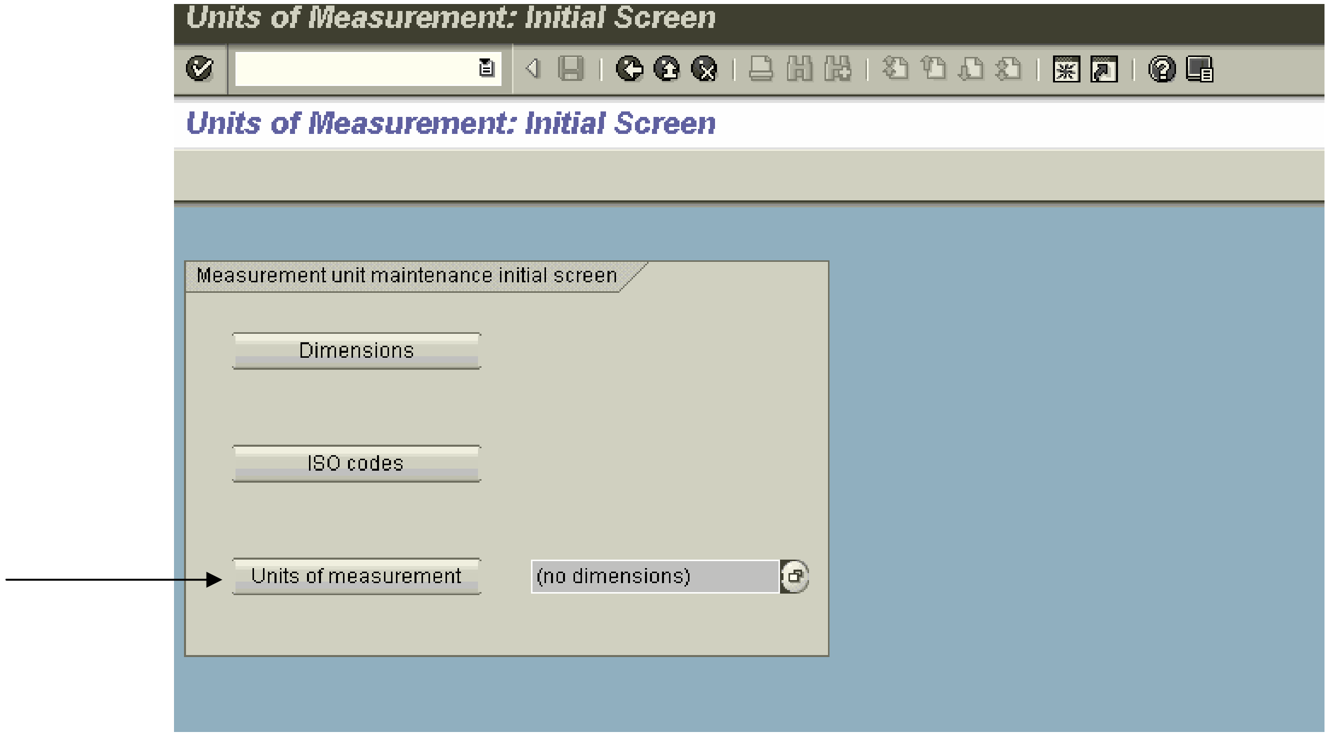
Item Text

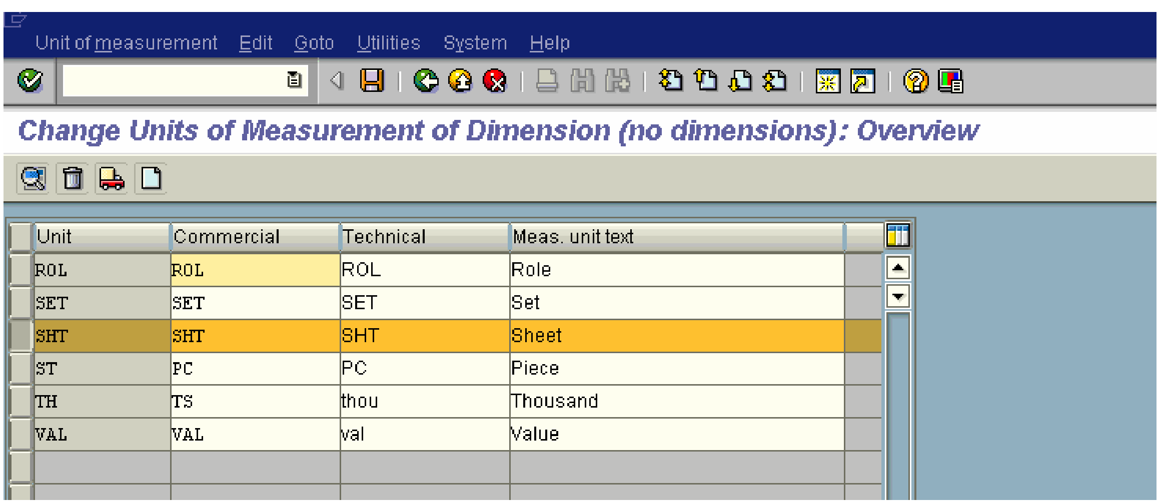
It is necessary to implement a userexit in order to fill the item text field. Detailed instructions are found in note 39503

MM Customizing:

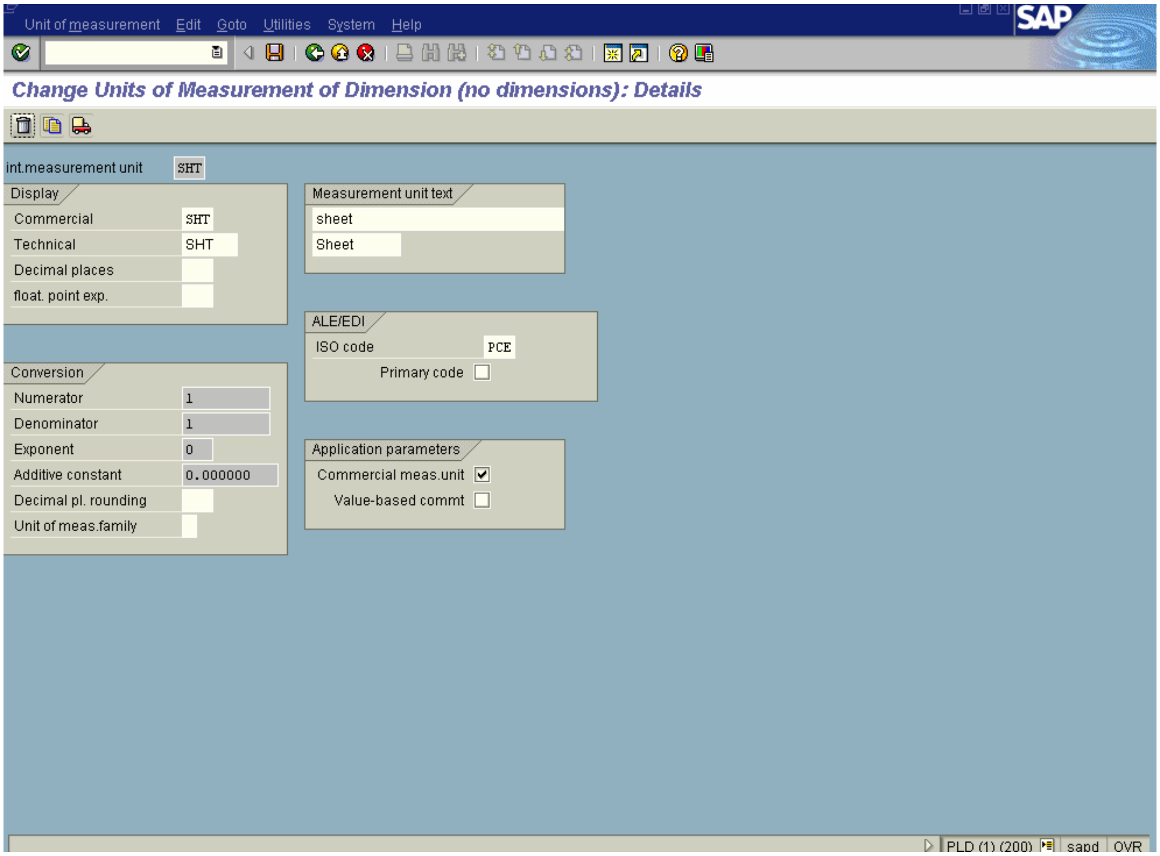
Make sure the Unit of Measure's ISO Codes are configured correctly.

General Settings → Check units of measurement (T. Code CUNI)





Details

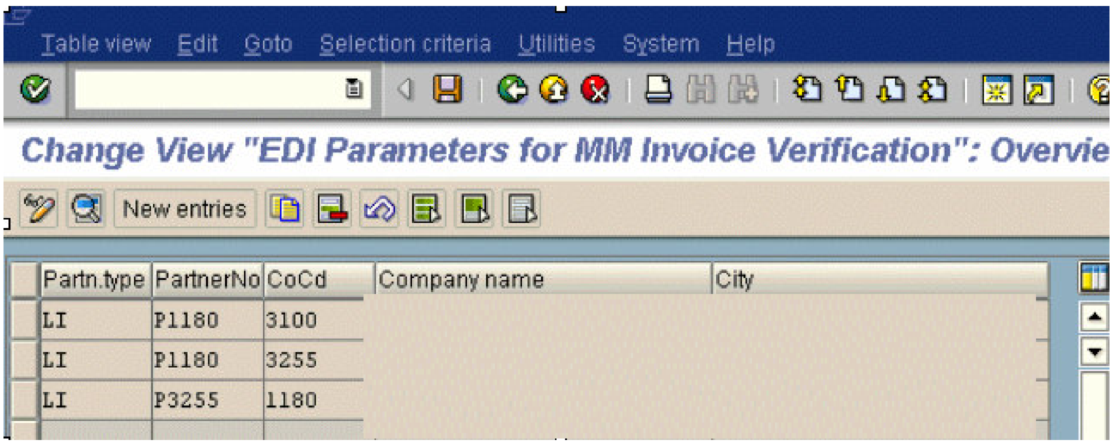


Unit of measurement Edit Goto Utilities System Help
Change Units of Measurement of Dimension (no dimensions): Details
int.measurement unit SHT
Display
Commercial SHT
Technical SHT
Decimal places
float. point exp.
Measurement unit text
sheet
Sheet
ALE/EDI
ISO code PCE
Primary code
Conversion
Numerator 1
Denominator 1
Exponent 0
Additive constant 0.000000
Decimal pl. rounding
Unit of meas.family
Application parameters
Commercial meas.unit
Value-based commt
PLD (1) (200) sapd OVR

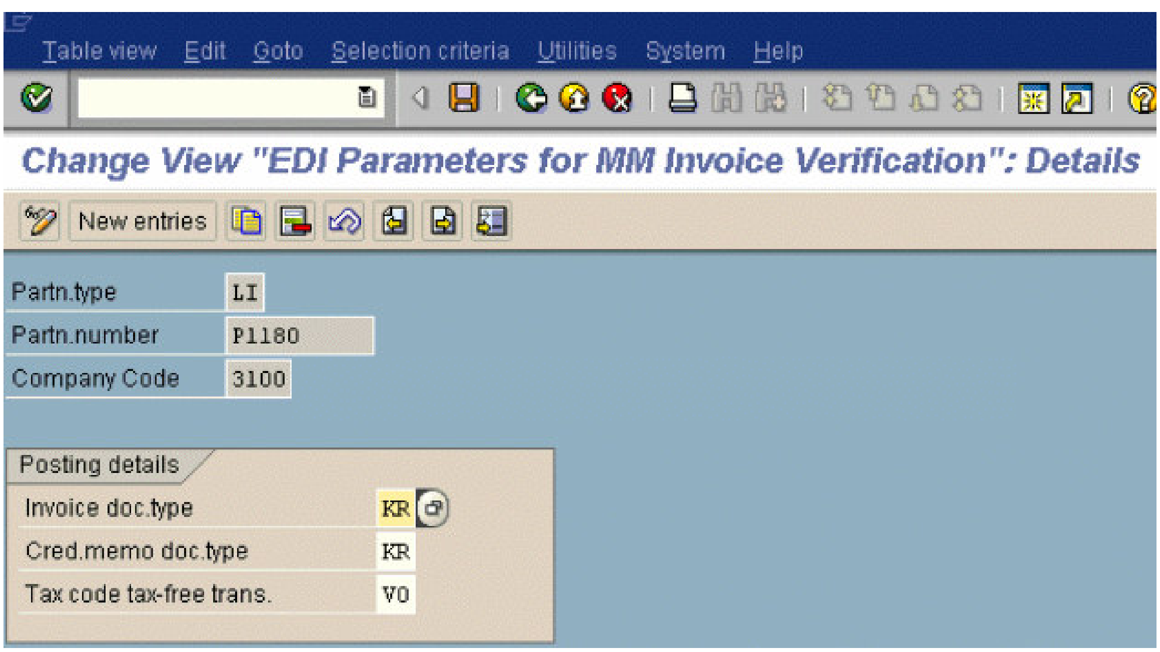
Optional MM Customizing:

NOTE: This is only necessary for logistics invoice verification.

Materials Management → Logistics Invoice Verification → EDI → Enter Program Parameters



Details



Monitoring

There are several transaction that allow you to monitor the IDoc. First you need to know the IDoc number. You can see the IDoc number in the processing log in the "Header output" screen in the billing document.

You can use transaction WE02 or WE05. Enter the IDoc number in the selection screen.

If you have an error in the IDoc, you could analyze it with transaction WE19