

## Inter-company sale scenario

If one legal company delivers product to the customer, sourced from the plant, which belongs to another company code, then the scenario is termed as Inter-company sale

Delivering company bills the ordering company. This is called as Inter-company billing.

Standard inter-company billing type is IV

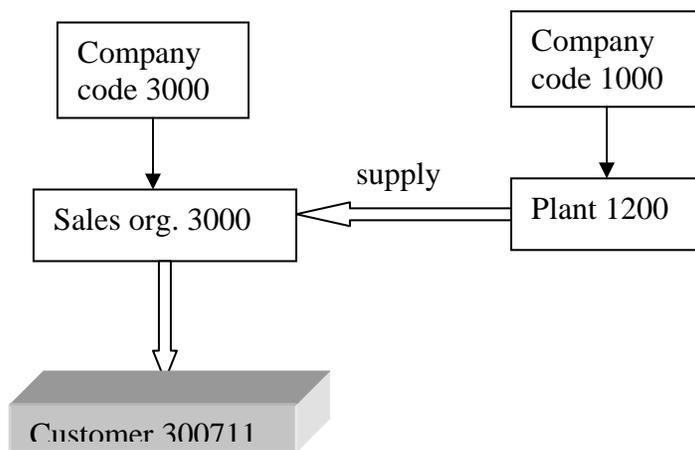
Let us take scenario as below.

Customer – 300711

Sales area for creating sales order – 3000/10/00

Delivering plant – 1200

Material is R-1006



### Master data

Create pricing condition record for condition type PI01. PI01 indicates cost for the ordering company to buy from supplying company.

Menu path: Logistics → Sales and Distribution → Master data → Conditions → Create

Click on Key Combination

### Create Condition Records

Condition Information Key Combination

Condition type PI01

Key Combination

Sales Org./Order/Plant/Material

### Display Intercompany Price (PI01) : Overview

Sales Org./Order/Plant/Material										
Sales org. of order	3000	USA Philadelphia								
Plant	1200	Dresden								
Valid On	14.12.2006									
Sales Org./Order/Plant/Material										
Material	Description	Amount	Unit	per	U...	C..	S..	Valid From	Valid to	D.
R-1006	Maxitec-RM 6100 Person..	793,00	USD		1	PC	C	24.06.2003	31.12.9999	

Let us create a sales order  
Transaction code – VA01

## Create Sales Order: Initial Screen

<input type="checkbox"/> Create with Reference	<input type="checkbox"/> Sales	<input type="checkbox"/> Item
Order Type	or	
Organizational data		
Sales Organization	3000	USA Philadelphi
Distribution Channel	10	Final customer s
Division	00	Cross-division

Enter the details as below.

Customer as 300711

PO number as "Inter-company example1"

Material as R-100 6 and

Requested delivery date as 28.12.2006.

Press enter key on the keyboard

## Create Standard Order: Overview

Standard Order:  Net value:  USD

Sold-to party:  Holden & Associates / 2300 LOOP 410 S.W. / US / 78245 SAN ...

Ship-to party:  Holden & Associates / 2300 LOOP 410 S.W. / US / 78245 SAN ...

PO Number:  PO date:

Sales | **Item overview** | Item detail | Ordering party | Procurement | Shipping | Reason for rejection

Req. deliv.date:  Deliver.Plant:

Complete div. Total Weight:  KG

Delivery block:  Volume:  M3

Billing block:  Pricing date:

Payment card:  Exp.date:

Payment terms:  Incoterms:

Order reason:

Sales area:  USA Philadelphia, Final customer sales, Cross-division

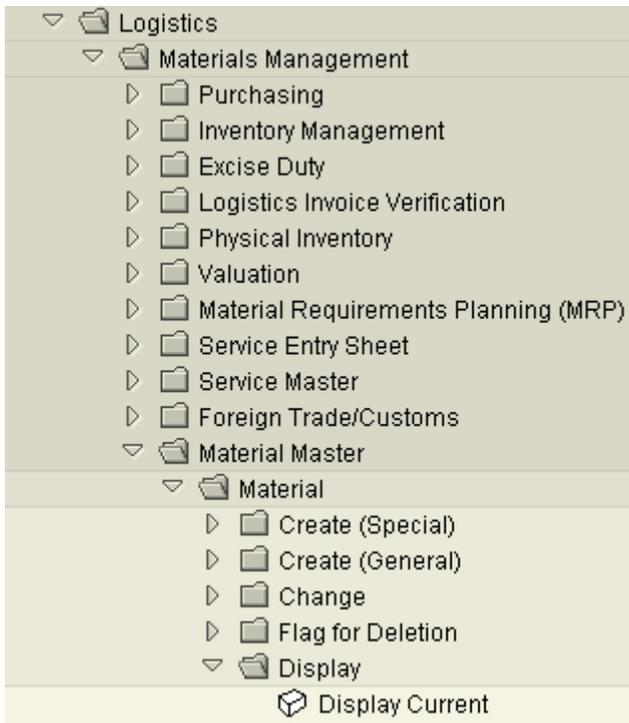
All items

Item	Material	Order quantity	SU	Description	S	Customer Material Nu...	ItCa	DG...	HgLvlt	First date	PInt
	10R-1006	1	PC	Maxitec-R...			TAN			D 28.12.2006	1200

Plant 1200 gets determined as per the sales org1 data of the material master.

If plant belonging to the ordering company code 3000 gets determined, then it can be changed in the sales order manually to 1200 for this inter-company scenario.

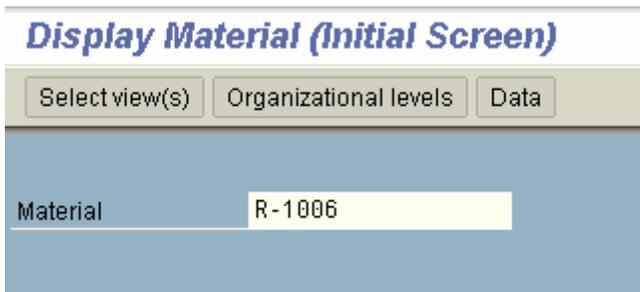
Menu Path:



Click  Display Current

On the next screen, enter material and click





  **Display Material R-1006 (Finished product)**

Material	R-1006	Maxitec-RM 6100 Personal Comput
Sales Org.	3000	USA Philadelphia
Distr. Chl	10	Final customer sales

**General data**

Base Unit of Measure	PC	piece(s)	Division
Sales unit	<input type="checkbox"/>		<input type="checkbox"/> Sales unit not v
Unit of measure grp	<input type="checkbox"/>		
X-distr.chain status	<input type="checkbox"/>		Valid from
DChain-spec. status	<input type="checkbox"/>		Valid from
Delivering Plant	1200	Dresden	

Let us see if inter-company price is determined in the pricing as per condition record of condition type PI01.

Double click on item 10 and click on "conditions" tab

## Create Standard Order: Item Data

⏪ ⏩ 🗑️ 🏠 📄 🔍 🔧 📊 📞 🔗

Sales Document Item	10	Item category	TAN	Standard Item
Material	R-1006	Maxitec-RM 6100 Personal Computer		

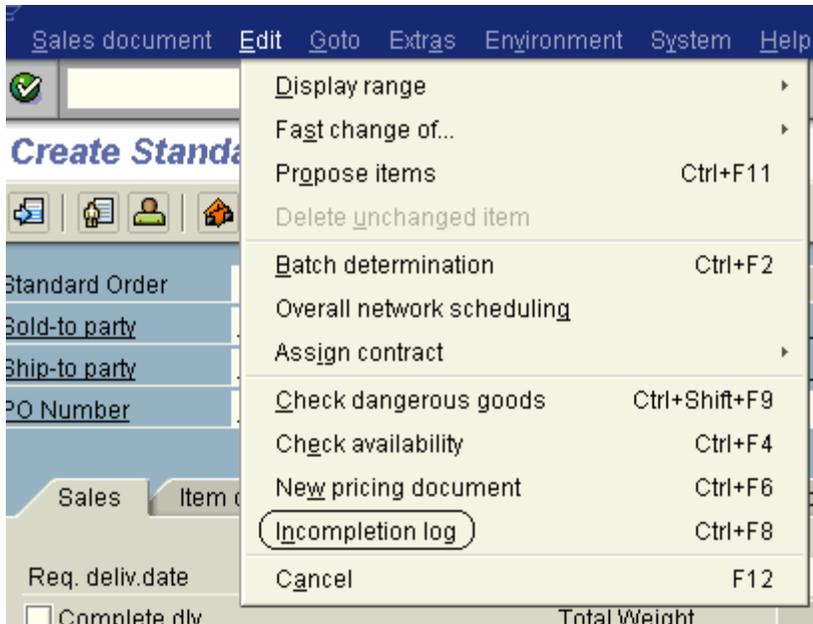
Sales A
Sales B
Shipping
Billing Document
Conditions
Account assignment

Qty	1	PC	Net	1.059,50	USD
			Tax	0,00	

	CnTy	Name	Amount	Crcy	per	U...	Condition value	Curr.
	PR00	Price	1.059,50	USD	1	PC	1.059,50	USD
	Z200	Campaign Price CRM		USD	1	PC	0,00	USD
		<b>Gross</b>	<b>1.059,50</b>	<b>USD</b>	<b>1</b>	<b>PC</b>	<b>1.059,50</b>	<b>USD</b>
	Z201	CampaignDiscount CRM		%			0,00	USD
	RC00	Quantity Discount		USD	1	PC	0,00	USD
		Discount Amount	0,00	USD	1	PC	0,00	USD
		Rebate Basis	1.059,50	USD	1	PC	1.059,50	USD
		Net Value for Item	1.059,50	USD	1	PC	1.059,50	USD
		Net value 2	1.059,50	USD	1	PC	1.059,50	USD
	PI01	Intercompany Price	793,00	USD	1	PC	793,00	USD
		<b>Total</b>	<b>1.059,50</b>	<b>USD</b>	<b>1</b>	<b>PC</b>	<b>1.059,50</b>	<b>USD</b>
		<b>Total</b>	<b>1.059,50</b>	<b>USD</b>	<b>1</b>	<b>PC</b>	<b>1.059,50</b>	<b>USD</b>

PI01 is determined as 793USD as per pricing record. This is statistical price and not printed on order confirmation sent to the customer.

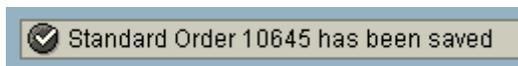
Check the incompleteness clicking on completion log



If document is complete, it will display message at the bottom of the screen that the "document is complete".

Click on 

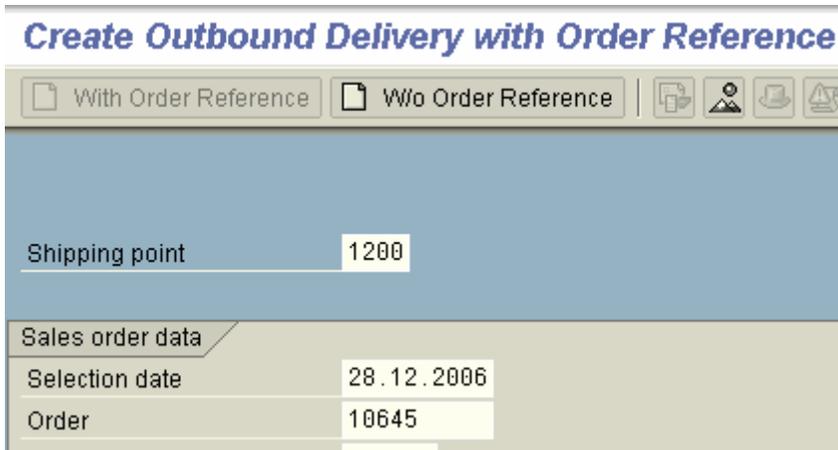
Sales order 10645 has been saved.



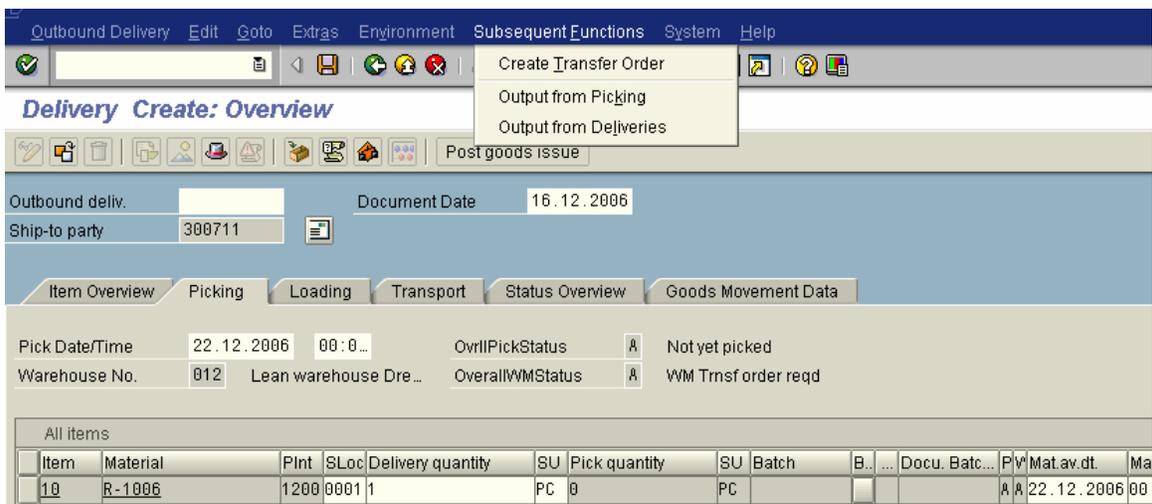
Delivery creation

Transaction code – VL01N

Put shipping point as 1200 and date as 28.12.2006

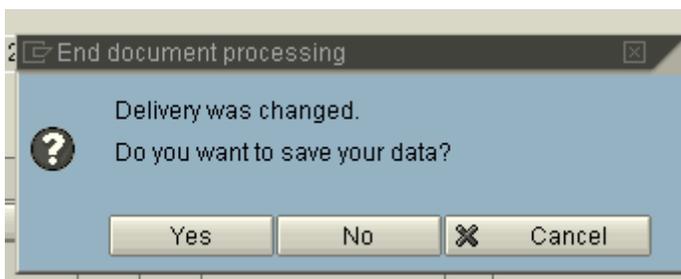


Press "Enter" key on the keyboard



It is warehouse-managed material; therefore click on "Create Transfer Order" for picking the material

Pop-up on the screen



Click on "yes"

Delivery 80014035 gets created with the message displayed at the bottom of the screen of transfer order creation.

**Create Transfer Order for Delivery Note:**

Warehouse Number	012
Plant	
Delivery	80014035
Group	

Control

Activate Item

Foreground/Backgrnd System-Guided 

Adopt pick.quantity

Adopt putaway qty

Putaway TO proc.

 Delivery 80014035 has been saved

In  , select 1.

Click 

### Create TO for Delivery: Overview Deliveries

Generate TO item  Stor.type srch seq.

Warehouse Number	012	Delivery Priority	2
Delivery	80014035	Picking Date	22.12.2006
Shipping Point	1200	Loading Date	27.12.2006

Active Worklist Inactive items Processed items

Items									
Delivery	Item	Material	Description	SLoc	Plant	Batch	Picking quantity	S...	
80014035	10	R-1006	Maxitec-RM 6100 Personal Computer	0001	1200			1	PC

Click on 

Click on Save

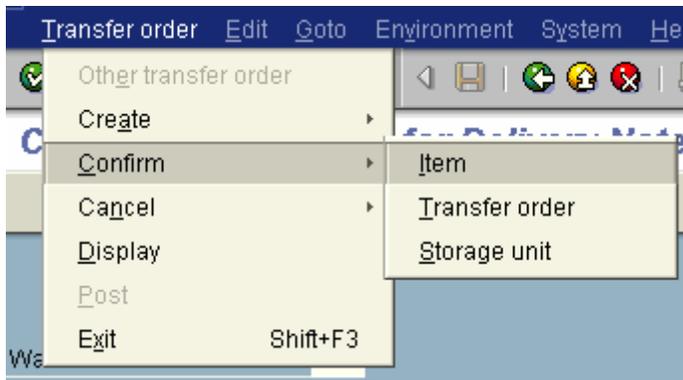
### Create Transfer Order for Delivery Note:

Warehouse Number	012
Plant	
Delivery	80014035
Group	

Control	
<input checked="" type="checkbox"/> Activate Item	
Foreground/Backgrnd	System-Guided 
Adopt pick.quantity	1
Adopt putaway qty	
Putaway TO proc.	

Transfer order 0000004071 created

Click on Transfer Order as shown below to confirm transfer order so as to effect warehouse movement in the system.



Few points to note in delivery are as below.

Display Delivery

Transaction code – VL03n

Go to the Header – Processing

**Delivery 80014035 Display: Header Details**

Post goods issue

Ship-to party: 300711

Processing | Picking | Loading | Global Trade | Shipment | Foreign Trade/Custo

Dates			
Picking	22.12.2006	00:00...	Billing date 28.12.2006
Trans. Planning	27.12.2006	00:00	Billing date 28.12.2006
Loading	27.12.2006	00:00	
Planned GI	28.12.2006	00:00...	
Delivery Date	28.12.2006	00:00	Scheduling

Overall Status			
Document Status	<input checked="" type="checkbox"/>	Checked	
Picking	<input type="checkbox"/>	Fully picked	TransPlngg <input type="checkbox"/> Not rel.transp.plan.
WM Activities	<input type="checkbox"/>	WM trsf ord confirmd	Dec. Whse <input type="checkbox"/> Not Relevant
Confirmation	<input type="checkbox"/>	Fully confirm PickRq	<input type="checkbox"/> Change Management
Pack	<input type="checkbox"/>	Packing not required	POD status <input type="checkbox"/> Not Relevant
Goods Issue	<input type="checkbox"/>	Not yet started	IntcoBill <input checked="" type="checkbox"/> Relevant
Bill.Docs.	<input type="checkbox"/>	Not invoiced	Credit <input type="checkbox"/> Not performed

It shows delivery relevant for inter-company billing.

As the material is serial number managed, assign serial number to the material

Transaction code – VL02N

The screenshot displays the SAP VL02N 'Outbound Delivery' screen. The 'Extras' menu is open, showing options like 'Picking Output', 'Delivery Output', 'Serial Numbers', 'Dangerous Goods Supplement', 'Configuration', 'Export License Log', 'Create Financial Document', 'Display Financial Doc.', and 'External Credit Insurance'. The 'Serial Numbers' option is highlighted. The main screen shows delivery details for 'Delivery 80014035' with 'Ship-to party' 300711. The 'Planned GI' is 28.12.2006. The 'All items' table below shows one item with a quantity of 1.

Item	Material	Delivery quantity	SU	Description
10	81006	1	PC	Movitor DM 6100 Pa

**Delivery 80014035 Change: Overview**

Post goods issue

Maintain Serial Numbers

Delivery	80014035	Item	10
Material	R-1006		
No. serial no	0	/	1

---

Serial number	Eqpt
<input type="checkbox"/>	<input type="checkbox"/>

Create serial number automatically

Click

Create serial number automatically

Maintain Serial Numbers

Delivery	80014032	Item	10
Material	R-1006		
No. serial no	1	/	1

---

Serial number	Eqpt
<input checked="" type="checkbox"/> 72	<input type="checkbox"/>

Create serial number automatically

Select and continue

Click on

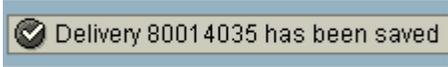
Post goods issue

**Change Outbound Delivery**

Post goods issue

Outbound Delivery 80014032

It gives message as below.



**Customer invoice creation**

Transaction code - VF04

Select the parameters as below

## Maintain Billing Due List

 DisplayBillList	 DisplayVariants
<b>Billing Data</b>	
Billing Date from	<input type="text"/>
Billing Type	<input type="text"/>
SD Document	<input type="text"/>
<b>Organizat. Data</b>	
Sales Organization	<input type="text" value="3000"/>
Distribution channel	<input type="text"/>
Division	<input type="text"/>
Shipping point	<input type="text"/>
<b>Customer Data</b>	
Sold-To Party	<input type="text" value="300711"/>
Destination country	<input type="text"/>
<b>Addit. Data</b>	
Sort Criterion	<input type="text"/>
<b>Documents to be selected</b>	
<input type="checkbox"/> Order-related	
<input checked="" type="checkbox"/> Delivery-related	
<input type="checkbox"/> Rebate-related	
<input checked="" type="checkbox"/> Intercompany Billing	

Click on



**Maintain Billing Due List**

Individual billing document    Collective billing document    Collective billing doc./online

S	BI Cat	SOrg.	Billing date	Sold-to pt	BIIT	DstC	Document	DChl	Dv	DocCa	Address	Name of sold-to party	Sold-to locat.	Sort term	Counter	ShPT	F
X	L	3000	18.12.2006	300711	F2	US	80014035	10	07	J	37285	Holden & Associates	SAN ANTONIO				1200

Click on Individual billing document

**Invoice (F2) Create: Overview of Billing Items**

Billing documents

Invoice: \$000000001    Net value: 1.059,50 USD

Payer: 300711    Holden & Associates / 2300 LOOP 410 S.W. / US - 78...

Billing date: 18.12.2006

Item	Description	Billed Quantity	SU	Net value	Material	Tax amount
10	Maxitec-RM 8100 Personal Co...	1	PC	1.059,50	R-1006	0,00

Click on save

Billing document is created



Billing document    Edit    Goto    Environment    System    Help

Invoice 9003

Accounting

Header

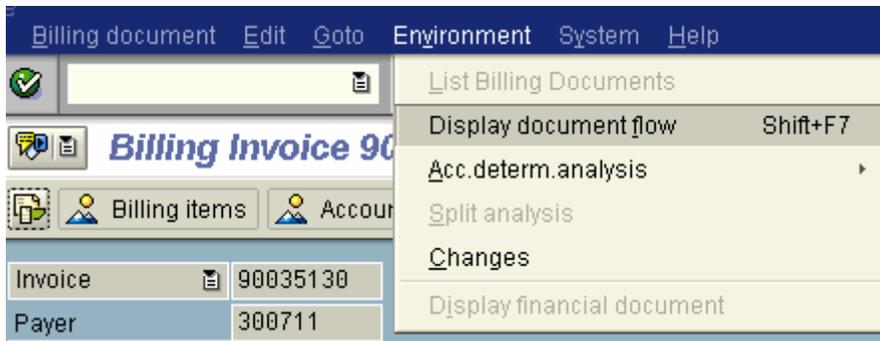
- Header
- Header partners
- Pricing conditions header    Ctrl+Shift+F9
- Output    Shift+F8
- Header texts
- Foreign Trade/Customs
- Payment cards

invoice: 90035130    Net value: 1.059,50 USD

Payer: 300711    Holden & Associates / 2300 LOOP 410 S.W. / US - 78...

Billing date: 18.12.2006

Document flow



**Business partner** 0000300711 Holden & Associates

Document	On	Status
Standard Order 0000010645	15.12.2006	Completed
Delivery 0080014035	15.12.2006	Being processed
Invoice 0090035130	15.12.2006	Completed
Accounting document 03000000003	15.12.2006	Not cleared

### Inter-company billing

Transaction code - VF04

Select the parameters as below

## Maintain Billing Due List

 DisplayBillList  DisplayVariants

### Billing Data

Billing Date from  to  
Billing Type  to  
SD Document  to

### Organizat. Data

Sales Organization   
Distribution channel  to  
Division  to  
Shipping point  to

### Customer Data

Sold-To Party  to  
Destination country  to

### Addit. Data

Sort Criterion  to

### Documents to be selected

- Order-related
- Delivery-related
- Rebate-related
- Intercompany Billing

Click on  DisplayBillList

**Maintain Billing Due List**

Individual billing document    Collective billing document    Collective billing doc./online

S	BICat	SOrg	Billing date	Sold-to pt	BillIT	DstC	Document	DChl	Dv	DocCa	Address	Sold-to party	Sold-toLoc	Sort term	Counter	ShPt	PK
X	I	1000	16.12.2006	30000	IV	US	80014035	12	00	J		IDES US Inc.	NEW YORK			1200	

Individual billing document

Click on

**Intercompany billing (IV) Create: Overview of Billing Items**

Billing documents

Intercompany billing    \$000000001    Net value    663,32    EUR

Payer    30000    IDES US Inc. / 1 1230 Lincoln Avenue / US - 10019 NE...

Billing date    16.12.2006

Item	Description	Billed Quantity	SU	Net value	Material	Tax amount
10	Maxitec-RM 6100 Personal Co...		_1 PC	663,32	R-1006	0,00

Click on save

Inter-company billing document 0090035131 is created

Document flow

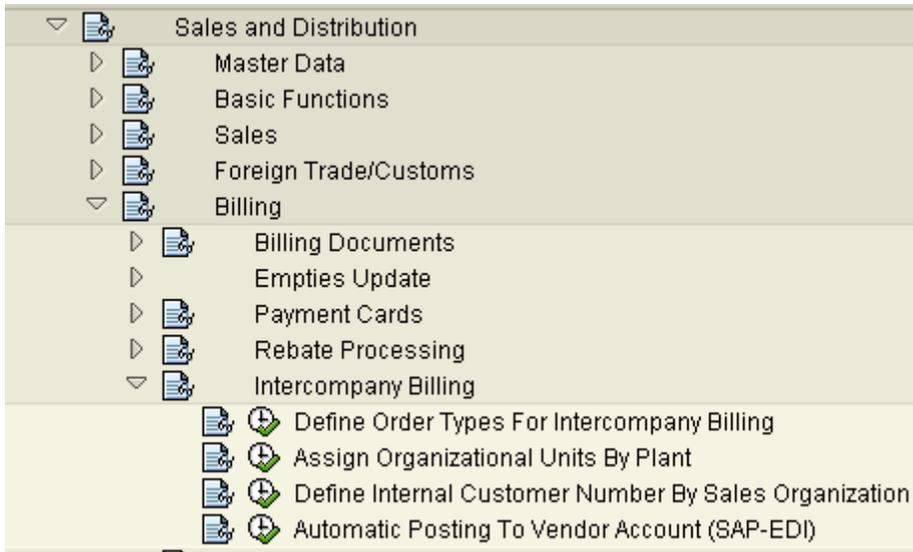
Business partner 0000030000 IDES US Inc.

Document	On	Status
Standard Order 0000010645	15.12.2006	Completed
Delivery 0080014035	15.12.2006	Completed
Intercompany billing 0090035131	15.12.2006	Completed
Accounting document 0100000002	15.12.2006	Not cleared

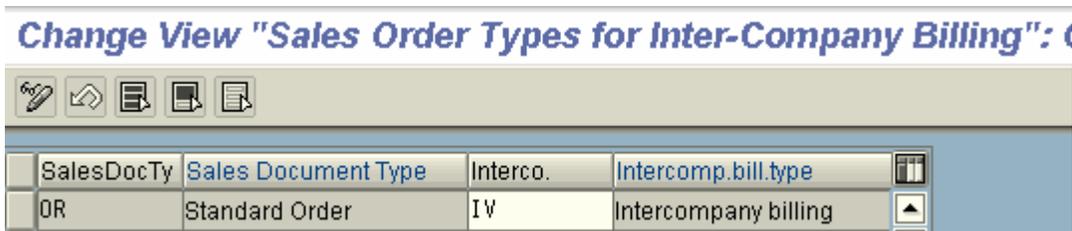
Let us understand determination of

- Billing type IV
- Payer to which, supplying plant should bill.
- Sales area in which payer should be defined

## Billing type IV



Click  Define Order Types For Intercompany Billing

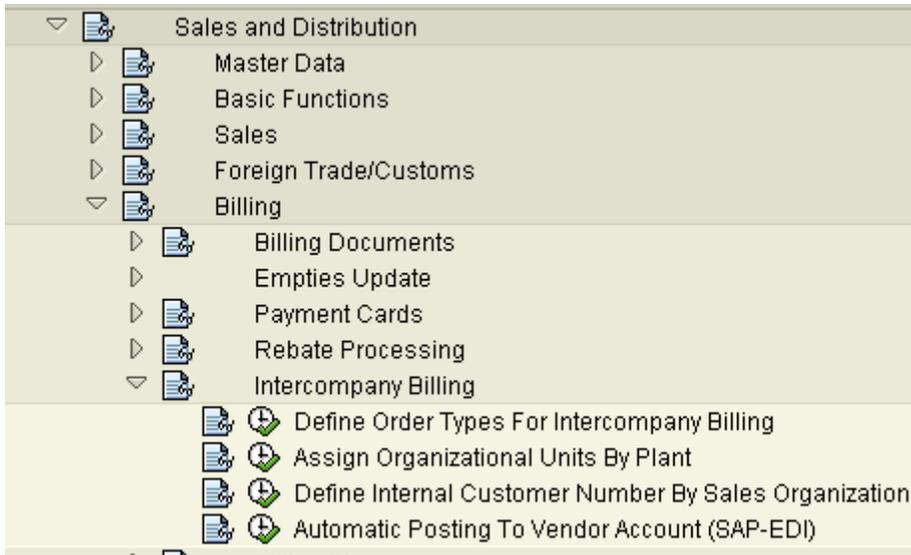


Billing type is based on the order type.

For order type OR, inter-company billing type is IV.

Payer to which, supplying plant should bill

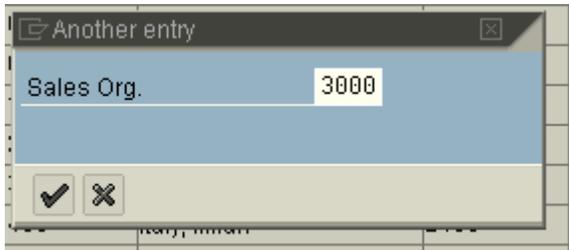
Payer 30000 is determined as per the configuration of inter-company customer for ordering sales organization, 3000.



Click Define Internal Customer Number By Sales Organization



Click

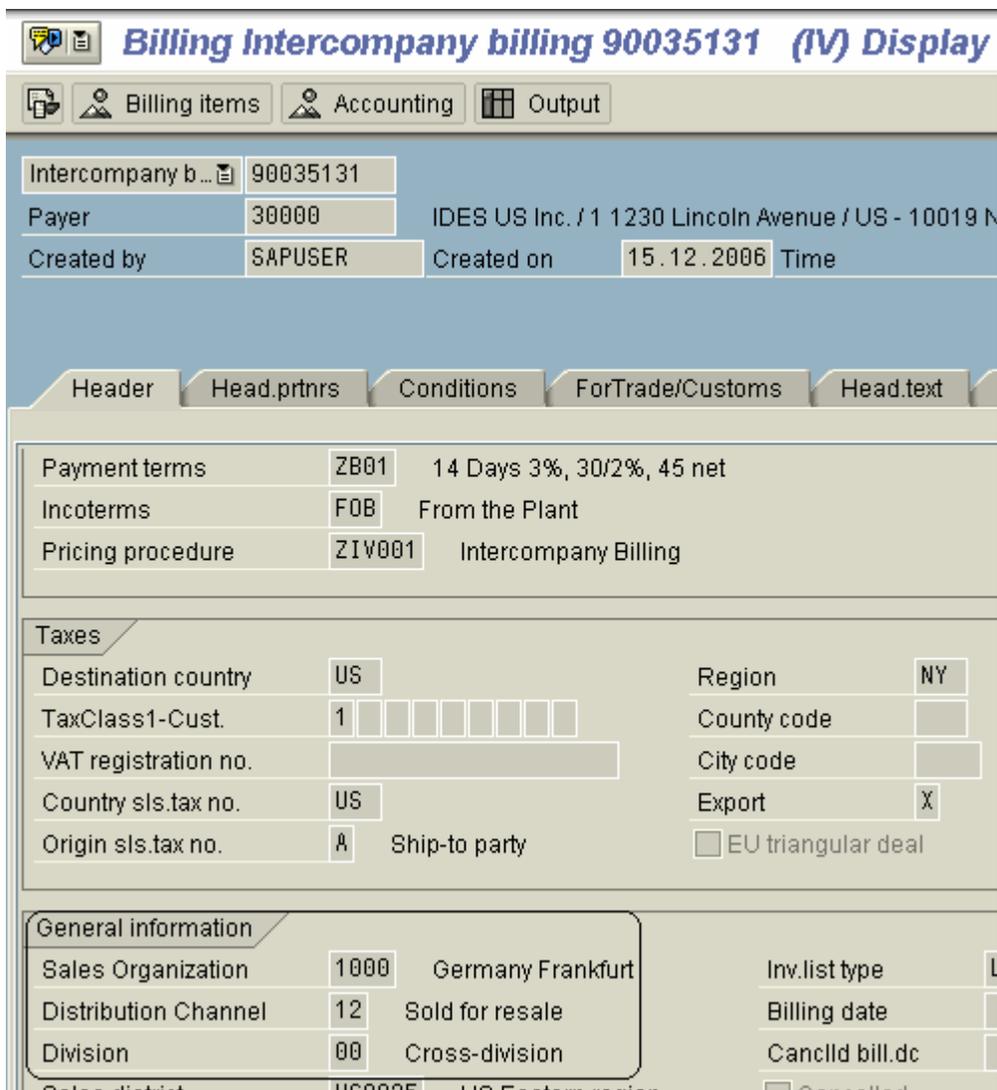
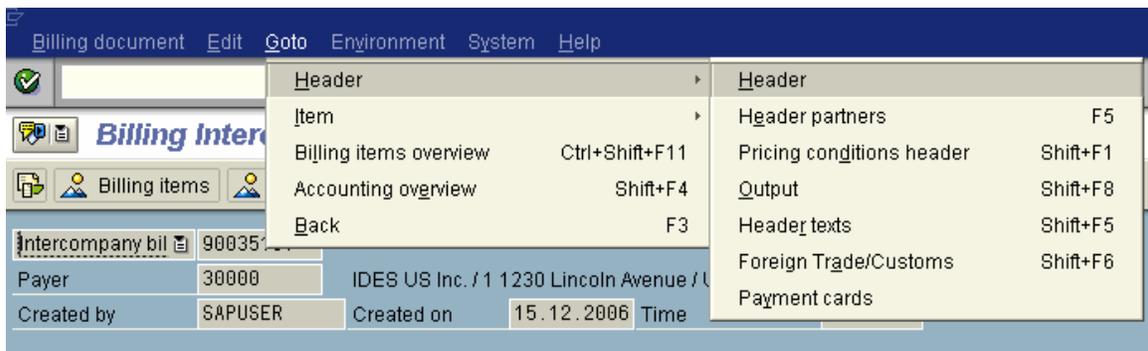


**Change View "View for Inter-Company Billing":**

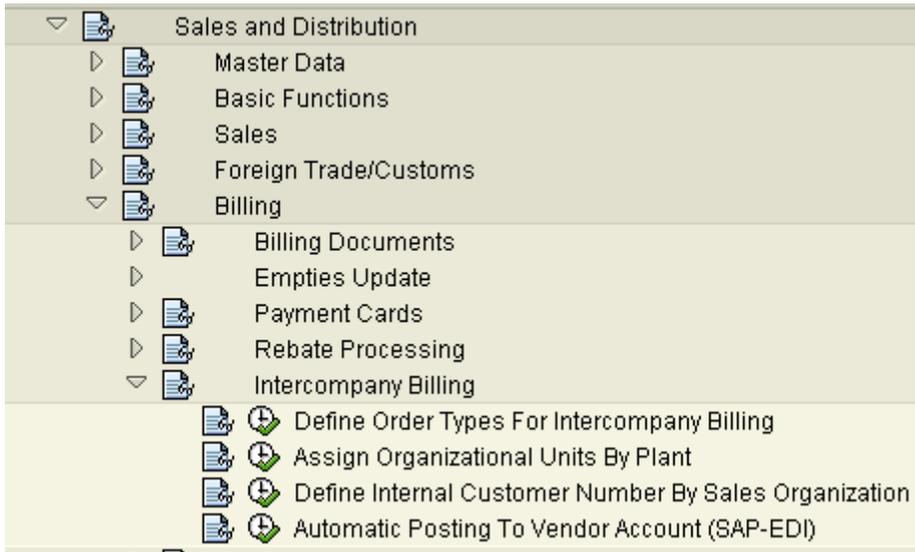
Sales org.	Sales Organization	CustInterC	Cust.inter-co.bill.
3000	USA Philadelphia	30000	IDES US Inc.
3010	USA Denver		

Sales area in which payer should be defined

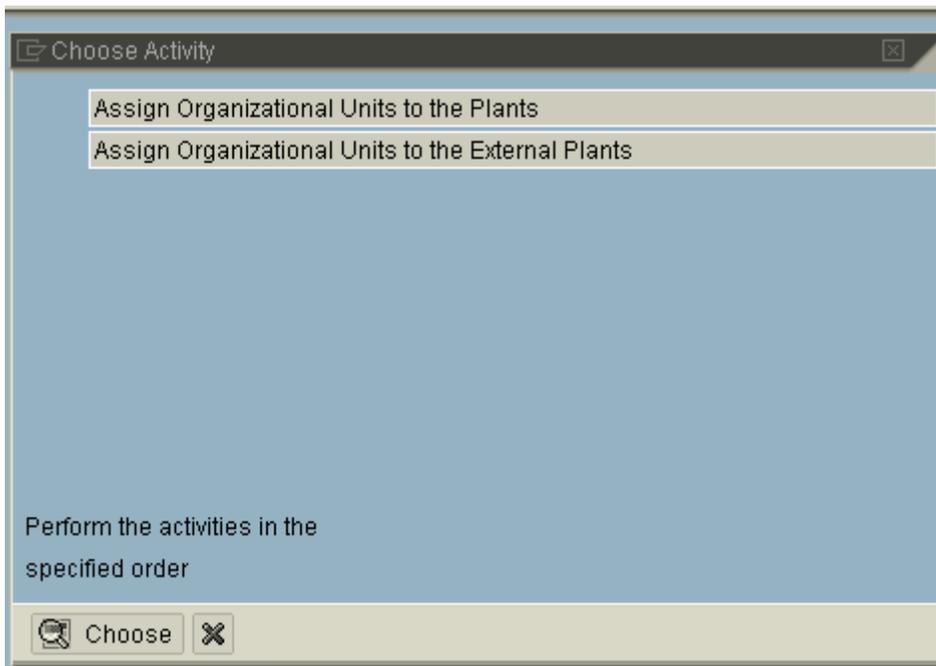
This is the inter-company sales area using which supplying company, 1000 of supplying plant, 1200 bills ordering company 3000.



Determination of sales area is as per configuration below.



Click  Assign Organizational Units By Plant



Keep cursor on the 1st line and click



Click



***Change View "Organizational Units for Internal Costing Per Plant":***



Organizational Units for Internal Costing Per Plant								
	Plant	Name 1	SOrg	Descriptn	DstCh	Descriptn	Div.	Descriptn
	1200	Dresden	1000	Germany Frankf..	12	Sold for resale	00	Cross-division

Payer 3000 should be defined in sales area, 1000/12/00

Pricing in Inter-company billing

**Intercompany billing 90035131 (IV) Display: Item Data**

Billing items    Accounting

Item: 10    Created by: SAPUSER  
 Item category: TAN    Created on: 15.12.2006    Time: 16:32:42  
 Material: R-1006    Maxitec-RM 6100 Personal Computer  
 Batch:

Item Detail    Item Partners    Conditions    ForTrade/Customs    Item Texts    PO data

Qty: 1 PC    Net: 663,32 EUR  
 Tax: 0,00

CnTy	Name	Amount	Crcy	per	U...	Condition value	Curr.
	Gross	886,24	EUR	1	PC	886,24	EUR
RC00	Quantity Discount	0,00	USD	1	PC	0,00	EUR
	Discount Amount	0,00	EUR	1	PC	0,00	EUR
	Rebate basis	886,24	EUR	1	PC	886,24	EUR
	Net Value for Item	886,24	EUR	1	PC	886,24	EUR
		886,24	EUR	1	PC	886,24	EUR
	Net value 2	886,24	EUR	1	PC	886,24	EUR
	Net value 3	886,24	EUR	1	PC	886,24	EUR
ZIV1	Revenues IB (value)	793,00	USD	1	PC	663,32	EUR
	Gross Value IB	663,32	EUR	1	PC	663,32	EUR

Pricing procedure for inter-company billing ZIV001.

ZIV1 is the condition type for price that supplying company 1000 will charge to ordering company 3000.

ZIV1 is mandatory in configuration of pricing procedure ZIV001.

Procedure: ZIV001 Intercompany Billing

Control

Step	Cntr	CTyp	Description	Fro	To	Man.	Mdt	Stat	P	Sub...	Reqt	AltCTy	AltCBV	ActKy
910	0	ZIV1	Revenues IB (value)			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	B	22			ERL

At item level, select ZIV1 and click on in the condition detail.

ZIV1	Revenues IB (value)	793,00	U
	Gross Value IB	663,32	E
	Net Value for Item I	663,32	E
	Net value 2 IB	663,32	E

Condition detail

Condition rec. Analysis

### Item - Conditions - Detail

Item	10	Application	V
Condition type	ZIV1 Revenues IB (value)	CondPricingDate	18.12.2006

Condition values

Amount	793,00	USD	/	1	PC
Cond.base value	1,000	PC			
Condition value	663,32	EUR			
Currency	USD	Exchange rate	71,19550		
Doc. currency	EUR	Exchange rate	1,00000	Local Currency	EUR

Control data

Condition class	B	Prices
Calculat.type	C	Quantity
Condit.category	I	Price for intercompany billing
Cond.control	A	Adjust for quantity variance
Condit.origin	A	Automatic pricing

Account determination

Account key	ERL	Tax Code	A0	G/L account no.	802000
-------------	-----	----------	----	-----------------	--------

ZIV1 price is determined as per reference condition type PI01. It means price will be maintained for condition type PI01, which was determined in sales order and customer billing.

ZIV1	venues IB (value)	793,00	U
	Gross Value IB	663,32	E
	Net Value for Item I	663,32	E
	Net value 2 IB	663,32	E

Condition detail

Condition rec. Analysis

Click on  Condition rec.

### Display Intercompany Price Condition (PI01) : Condition Supplements

Variable key

SOOrd	Plant	Material	Description
3000	1200	R-1006	Maxitec-RM 6100 Personal Computer

Validity

Valid From: 24.06.2003      Valid to: 31.12.9999

Condition supplements

CnTy	Name	Amount	Unit	per	U...	Deletion...	Scales	Texts
PI01	Intercompany P...	793,00	USD	1	PC		<input type="checkbox"/>	<input type="checkbox"/>

This is as per configuration below.

## Change View "Conditions: Condition Types": Details

 New Entries					
Condit. type	ZIV1	Revenues IB (value)	Access seq.	PI01	SalesOrg/Plant/Materi
					Records for access
<b>Control data 1</b>					
Cond. class	B	Prices	Plus/minus	A	Positive
Calculat.type	C	Quantity			
Cond.category	I	Price for intercompany billing			
Rounding rule		Commercial			
StrucCond.					
<b>Group condition</b>					
<input type="checkbox"/>	Group cond.	GrpCond.routine			
<input type="checkbox"/>	RoundDiffComp				
<b>Changes which can be made</b>					
Manual entries	C	Manual entry has priority			
<input type="checkbox"/>	Header condit.	<input checked="" type="checkbox"/>	Amount/percent	<input type="checkbox"/>	Qty relation
<input checked="" type="checkbox"/>	Item condition	<input type="checkbox"/>	Delete	<input type="checkbox"/>	Value
				<input type="checkbox"/>	Calculat.type
<b>Master data</b>					
valid from		Today's date	PricingProc		
Valid to		31.12.9999	delete fr. DB		Do not delete (set the deletio.
RefConType	PI01		<input checked="" type="checkbox"/>	Condition index	
RefApplicatio	V		<input type="checkbox"/>	Condit.update	

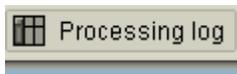
Posting is to be done for this inter-company invoice in company 3000.

This is done using EDI.  
Output is RD04 (Invoice receipt MM)

## Intercompany billing 90035131 (IV) Display: Output

Communication method							Processing log							Further data						
Intercompany billing 0090035131																				
Output																				
Sta...	Output...	Description	Medium	Par...	Partner															
	RD00	Invoice	Print output		BP	30000														
	RD04	Invoice Recei...	EDI		BP	30000														

Select RD04 and click



Output Processing analysis for proc. Intercompany billing		
Type	Message text	LText
<input type="checkbox"/>	Object 0090035131	
<input type="checkbox"/>	Output type: Invoice Receipt MM	
<input type="checkbox"/>	Processing log for program RSNASTED routine EDI_PROCESSING	
<input type="checkbox"/>	IDoc '0000000000648745' was created and forwarded for transmission	
<input type="checkbox"/>	EDI: Message was saved and processed as inbound IDoc	

✓ ? ↻ ⏪ ⏩ ⏴ ⏵ ⏶ ⏷ ⏸ ⏹ ⏺ Choose Save 📄 📁 📂 📅 0

Idoc 64875 created used to pot to vendor account in FI accounting, so posting to vendor account is automatic.

Before doing configuration, create vendor 10000 in ordering company code 3000

