Configuration of intercompany transactions

By means of intercompany transactions it is possible to automate registering of business transactions taking place between companes, in case if e.g. one of them is engaged in production activities and the second one in distribution activities. Such a path begins with a sales order document which reflects the registration of a customer order.

In order to activate the functionality of intercompany transactions, from the level of *Configuration* \rightarrow *Company Structure* \rightarrow edition of selected center of *Company* type, in field *Intercompany Transactions*, it is necessary to define the role of a given company in the organization:

- Vendor
- Customer
- Vendor and Customer

Type: Local Parent Company	🗹 Active < 🔸
Name	
Company	
Currency	VAT Rate Group
EUR	UK 👻
Created On	
15/01/2020 ~	
Company Name	
Comarch Inc	
TIN	EIN
~	
Legal Form	CID
•	
SIC Industry	
	•
Address	
10 W. 35th St , Chicago, Illino	is IL 60616 ····
Phone	E-mail
URL	
Share Capital F	Paid-in Capital
0,00 EUR 👻 🌲	0,00 EUR 👻 🌲
Shop Area	
* *	
Trade	
Sell below stock levels	
Monitor SENT transport	
ID in PUESC	
Accounting	=
Register compensations	=
Fixed Assets	
✓ 360 days in a year for straig	ht-line method
Round-off amount added la	ast month
Intercompany Transactions	
Vendor	•

Parameter Intercompany Transactions

Note

To save a company as *Vendor/Customer* in intercompany transactions handling, it is necessary to assicate the form with a customer/vendor.

Note After selecting one of the options and saving the company form, it is not possible to change it.

In the forms of a *Company* participating in international transactions, there is an additional tab *Inctercompany Transactions*. It contains the following columns:

- **Process** column presenting paths of possible generations whose quantity depends on the function hold by a given company: For a *Customer* these are as follows:
 - SO Release PO Receipt
 - Sales Invoice Purchase Ivoice
 - Sales Invoice Quantity Correction Purchase Invoice Quantity Correction

For a *Vendor it* is as follows:

- PO Receipt Quantity Correction SO Release Quantity Correction
- Owner allows for indicating a center within which an opposite document will be automatically created. The following options are available for selection:
 - According to the customer's/vendor's center deafult value, the owner of an opposite document is a center associated with the Secondary Customer indicated in the source document.
 - Selected company/center with activated intercompany transactions – an opposite document will be created within selected unit of company structure, regardless of the association between the center and the secondary customer in the source document.

A	ddresses	Documents	Operators	Tax Returns	POS Workstations	Intercompany Transactions	Attributes	Attachments			
Ę											
Drag the column header here to group by that column											
	Process					Owner					
٩	P 🔒 80				=						
۲	SO Release - PO Receipt				According to customer's/vendor's center						
Sales Invoice - Purchase Invoice				According to customer's/vendor's center							
	Sales Invoice Quantity Correction - Purchase Invoice Quantity Correction					According to customer's/vendor's center					
	PO Receipt Quantity Correction - SO Release Quantity Correction				According to customer's/vendor's center						

Tab Intercompany Transactions in Company forms

[hint] An association with a customer/vendor can be also added from the level of the forms of centers subordinated to a company with activated intercompany transactions <LINK>. Thanks to that, it is possible to specify center in which an opposite document should be generated. [/hint]

Example

ABC company which functions as customer in intercompany transactions, is associated with customer *Laneco*. It is also the parent company for center *MOB1* associated with customer *Studio K*.

- 1. Company ABC issues a SOR document in which:
 - Laneco is the Customer
 - Studio K is the Secondary Customer
- The POR document created during the process of intercompany transactions will be generated in the secondary customer's center - MOB1.

Dedicated fields on documents involved in intercompany transactions (SI, SOR, PI, POR)

Customer's Warehouse – field available in the header of SI and SOR documents It allows for selecting a local warehouse to which an opposite document will be generated.

By default, the field is filled in by the default warehouse of:

- from the customer's center, in case
 - only the customer selected in the document is an internal customer
 - both the customer and the secondary customer are internal customers and the secondary customer is assigned to a different company than the customer
- from the secondary customer 's center, when both the customer and the secondary customer are internal customers assigned to the same company.

Note

In case of generating a SI from several SOR documents issued to different warehouses, the field *Customer's Warehouse* takes on value <*All*>.

Note

It is possible to change the secondary customer in a SI/SOR document if it was generated from a SOR/SI document which registers an intercompany transaction.

Vendor's Warehouse – field available in the header of PI and POR documents generated from SI/SOR. It presents the name of the warehouse to which the associated opposite document (source document) has been issued.

Principles of creating documents during intercompany transactions

An opposite document is generated automatically at the moment of confirming the source document. If an error occurs during the creation of a document, its content is presented in an appropriate message and the confirmation of the source document gets withdrawn.

- Vendor/Secondary Vendor in a PI/POR document is set on the basis of the center being the owner of the source document.
- PI/POR documents are generated to a warehouse set as Customer's Warehouse in the source document.
- The total/subtotal value or discounts defined in the source document are mantained in documents generated during an intercompany transaction.
- In documents generated during an intercompany transaction, the value in a system currency is calculated according to the exchange rate of the document currency to the system currency of the target comapny. Features of an exchange rate (type, date type, date) in PI/POR are set according to the definition of the document type in a given center, whereas in corrections – according to the settings of corrected documents.
- As the price type in documents for received items created from documents for released items, the type

associated with the customer/vendor for which the document is being issued, is set. If such an association is not dedined, the default purchase price types retrieved.

- In case the group of VAT rates of the source company is different then the one assigned to the target company, the value of VAT Rates in the header of the source document, is verified:
 - For VAT Rates: National the possibility of creating an opposite document is blocked
 - Export an opposite document with VAT rates available for the target company is created. The generation will be completed with success only if total and subtotal values in both documents are compatible. Otherwise, the process will be interrupted and an appropriate message will be displayed.
- In case of generating: POR from SOR and PI from SI, if on the document that initiates the intercompany transaction, a currency different than the system currency is selected, then, on the opposite document in the target company, the exchange rate (exchange rate type and its value) is transferred from the initiating document.

Example

Two companies which will be involved in intercompany transactions have been created in the system:

- Company ABC with internal customer ABC Shop defined as Vendor in intercompany transactions handling
- Company TWZ with internal customer Impax defined as Customer in intercompany transactions handling

The automatic generation of warehouse documents is **disabled** in the definition of SI document type in the company *ABC*.

1. A sales invoice is issued in the company ABC. Impax is

set as the customer and *IPX* warehouse (defauld for documents in the company *TWZ*) is set as the *Customer's* warehouse.

- Confirming the document results in the automatic generation of an opposite PI document in the company TWX for the warehouse IPX.
- 3. Next, in the company *ABC*, a SO release is generated from that document and the confirmation of the document generates a *POR* document in the company *TWZ*.

The table below presents the source of completing fields in opposite documents:

Feature	PI	POR	SORQC	PIQC/PIVC/PORVC
	Value in	Value in	Value in	
Subtotal/Total	document	document	document	
amount	currency from	currency from	currency from	
	SI	SOR	POR corrections	
Reference number	SI number	SOR number	POR correction number	SI/SOR correction number
Date of issue	Date of issue from SI	Date of issue from SOR	Date of issue from POR correction	Date of issue from SI/SOR correction
Data of	Current date	Current date		Current date
Date of	set	set	-	set
receipt	automatically	automatically		automatically
Date of	Date of sale			
purchase	from SI	-	-	-
Date of			POR correction	SI/SOR
correction	-	-	date	correction date
		Current date		
Date of	-	set	-	-
receipt		automatically		
Decesar fo			Reason for	Reason for
Reason for	-	-	correction from	correction from
correction			POR	SI/SOR

Feature	PI	POR	SORQC	PIQC/PIVC/PORVC
Processing		Standard	Standard	Standard
priority	-	behavior	behavior	behavior
Payment parameters (payment method, date,	Payment parameters		SOR corrections: From the	PI corrections: Payment parameters of the source SI
number of days, EOM, number of days EOM)	from the source SI	-	setting on customer/vendor form	correction POR corrections - not applicable
Currency	SI currency	SOR currency	POR correction currency	SI/SOR correction currency
Transaction type	Transaction type from SI	Transaction type from SOR	Transaction type from POR correction	Transaction type from SI/SOR correction
Reason for tax exemption	Reason from SI	-	-	PI corrections: reason from PI document
Delivery method	Delivery method from SI	Delivery method from SOR	Delivery method from POR correction	Delivery method from SI/SOR correction
VAT direction	VAT direction from SI document	VAT direction from SOR document	Vat direction from POR correction	VAT direction from SI/SOR correction
VAT aggregation			Parameter value from POR correction	Parameter value from SI/SOR correction
Reverse charge	Parameter value from SI	Parameter value from SOR	SOR source document	PI/POR source document
VAT Account	According	-	s of the owner o cument	f the target

Feature	PI	POR	SORQC	PIQC/PIVC/PORVC
0wne r	company/cent case option the fol • customen or both th internal • secondary c	er, in the tab According to t lowing centers r's center in o interna ne customer and l customers ass ustomer's cent customer are	ted in the defin Intercompany tr he customer's/ve can be set as t case only the cus al customer d the secondary of signed different er in case the c internal custome nt companies	ansactions. In ndor's center, he owner: stomer is an customer are companies ustomer and the
Handled By	Employee of	the operator	who initiates th	e transaction

Blockade of creating documents in intercompany transactions

In companies with activated handling of intercompany transactions, there is a blockade of:

- generating POR from PI if the invoice is an opposite document to SI. In such a case, it is possible to create a PO receipt only on the basis of a realase of resources by means of the source SI document.
- generating PI from POR if POR was automatically created to a SOR document. In such a case, it is possible to create an invoice for the POR document only on the basis of the trade document issued to the source SOR document.
- adding a POR document, in case the vendor selected in a document is an internal customer/vendor and the comany to which they are assigned is defined as Vendor, whereas

the company in which te document is being issued is defined as *Customer*. In such a case it possible to issue a POR only on the basis of a SOR document in the vendor's company.

- adding a PI document, in case the vendor selected in a document is an internal customer/vendor and the comany to which they are assigned is defined as *Vendor*, whereas the company in which te document is being issued is defined as *Customer*. In such a case it possible to issue a PI only on the basis of a SI document in the vendor's company.
- issuing a VAT correction to a soruce document to which an opposite document has been generated
- issuing opposite documents to documents for released items containing sets with parameters *Retrieve elements* onto document checked
- issuing opposite documents, if the source company does not have access to the objects used in the source document (customer/vendor, item, warehouse) or the operator does not have permissions to log-in to the target center.

Canceling documents deriving from intercompany transactions

Canceling documents involved in intercompany transactions should begin from the side of opposite documents.

Note

There is no possibility of direct cancellation of documents which are source documents in the transaction path. Canceling an opposite document automatically cancels its source document.

Example

- In a company which is a customer, a SI document has been issued, whose confirmation has initiated automatic generation of a SOR document
- During an intercompany transaction taking place in the customer company:
 - to the SOR document, an oppoosite POR document is created
 - to the SI document, an opposite PI document is created
- 1. In the event of canceling documents:
 - first, it is necessary to cancel the POR document, which will result in automatic cancellation of the SOR document
 - then, it will be possible to cancel the PI document, which will result in automatic cancellation of the SI document.

Configuration of warehouses involved in intercompany transactions

Defining intermediate warehouses

An intermediate warehouse allows to make full use of the functionality of intercompany transactions in databases with activated FIFO/LIFO method of queuing resources. Such a warehouse can be used in the following documents:

- SI and quantity/value corrections
- SOR and quantity/value corrections
- PI and quantity/value/additional cost corrections
- POR and quantity/value/additional cost corrections
- WM-/WM+
- IR+
- IR-

In order to add an intermediate warehouse, from the level of *Main* → *Warehouses* or *Warehouse* → *Warehouse*, it is necessary to select button [Add] and option *Intermediate*.

Use of intermediate warehouses has been described in article <LINK>.

Note

The possibility of adding an intermediate warehouse is available only for companies with activated handling of intercompany transactions.

Active Dedicated for parent company <	Stock Level	Accounting	Attributes	Attachments								
Symbol	By Items	By Lots										
Intermediate Warehouse	48 -							V R	eceipt taken by:	13/07/2020		-
Name	Code	Name	Qu	antity	Reservations	Orders	Unit Price	Purchase Value	Acquisition Price	Acquisition Val	Currenc	y
Intermediate Warehouse	RBC	880	80		A BC	RBC	Rec	BBC	880		RBC	-
Туре												
Intermediate												
Company								0,00				
Company	×										I	Edit Filter
	Filter										*	
	Lots / Reso	ources										~
		🛄 🗔 🗸						V Re	ceipt taken by:	13/07/2020		-
	Description											
	Description											
												-

Intermediate warehouse form

The differences between the form of an intermediate warehouse and the forms of other<< local warehouses>> are as follows:

- the parameter *Dedicated for parent company* is grayed out. The parameter is checked only if the Main Company has been selected in field *Company*.
- the parameter *Handling of WMS* is hidden
- it is not possible to define address data and the forecast coefficient
- there are no tabs: Stock Management, Stock Level Visibility and there are no buttons used for generating documents

Company – field allowing for associating the warehouse with a selected company. The of companies is limited to companies with activated handling of intercompany transactions. This field is available for editing after the warehouse form is saved for the first time.

Features of the intermediate warehouse:

- only one intermediate warehouse can be assigned to each company
- it becomes automatically available defined within the company to which it belongs (it is not visible in Object Availability)
- it cannot be deactivated

Parameter *Replenish in intercompany* process in local warehouses

Replenish in intercompany process — field available in the headers of local warehouses in companies/centers handling intercompany transactions as *Customers*, in databases with FIFO/LIFO method of queuing resources. A user can select one of the following options:

• Direct (default value) - in a process of intercompany

transaction, a merchandise is received with the omission of the intermediate warehouse (e.g. SOR \rightarrow POR)

 Indirect – in a process of intercompany transaction, a merchandise is received with the use of indirect warehouses (e.g. SOR → POR → WM-/+)

✓ Active	Dedicated for parent company	<
Symbol		
Local Warehous	e	
Name		
Local Warehous	e	
Туре		
Local		
Replenish in inte	rcompany processes	
Direct		-
Forecast Coeffici	ent	
	1 🗘	
Address		
Phone	E-mail	
Company		
Company		

Local warehouse header

Changes in WM-/+ document

In databases with FIFO/LIFO method of queuing resources, in the forms of WM-/+ issued in a company with activated intercompany transactions and with shared warehouses of other companies, additional fields are available:

- Intermediate Warehouse field completed automatically with the name of the intermediate warehouse, if a warehouse which belongs to another company was selected as the target warehouse in the document. It is a warehouse from which the resources are:
 - Moved during an operation within one company (WM+)
 - Released (SOR/PORQC/IR-)

- Internal Customer presents the name of a customer associated with the company to which the target warehouse is assigned. The field is visible only in these documents, in which the target warehouse is a warehouse which belongs to another company.
- Intercompany Transaction parameter not subject to edition, it is automatically checked if a WM– initiates an intercompany transaction. The field is visible only in these documents, in which the target warehouse is a warehouse which belongs to another company.
- •Process return depending on the value of the parameter:
 - from the WM+ can be created PIQC/PORQC/IR- (and SIQC/SORQC/IR+ in the opposite company) parameter checked
 - a SOR is generated from the WM+ parameter unchecked

Note

The parameter is available only in databases with FIFO/LIFO method of queuing resources, only in documents whose target warehouse is a warehouse of another company.

Note

The parameter is checked by default and is not available for editing for companies which are customers only.

- Target Warehouse warehouse to which the documents in the opposite company will be issued
- Vendor's Warehouse name of the warehouse from which resources have been released in another company:
 - In the path: SOR → POR → WM-/WM+ it is the warehouse from which resources have been released with the use of the SOR document
 - In the path: WM-1/WM+ → PORQC/SOR/IR- → SORQC/POR/IR+ → WM-/WM+ it is the source warehouse indicated in the WM-1

Use of intermediate warehouses

- An intermediate warehouse can be used during:
 - An intermediate receipt, as:
 - a warehouse in the header of the POR generated from a SOR from another company
 - a warehouse on subitems of a PI which posts a POR generated from a SOR from another company
 - a warehouse in the header of a POR generated from a SOR from another company
 - a source warehouse in a WM- generated from a POR in the path SOR \rightarrow POR \rightarrow WM-
 - a warehouse in PI/POR corrections from an intermediate receipt
 - An intercompany warehouse movement, as:
 - an intermediate warehouse in a WM- document (to that warehouse will be moved resources, when finishing the circuit of WM documents in the source company)
 - a warehouse in a SOR document generated from an intercompany WM- (resources received by means of an intercompany WM+ document will be released from that warehouse)
 - a warehouse in an IR- document generated from an intercompany WM+ document with checked parameter *Process return* (resources received with an intercompany WM+ for resources created as a result of the delivery done by means of an IR+ from an

internal customer will be released from that
warehouse)

- a warehouse in a SI document generated in the path WM+ \rightarrow SOR \rightarrow SI
- a warehouse in a SIQC/SORQC in an intercompany movement marked as *Process return* (in the event of company returns, resources will be received in this warehouse)

Note

An intermediate warehouse cannot be selected in a document manually by an operator. It can be set in a document automatically by the system:

- during processes of intermediate receipt
- in PI/POR corrections initiated manually by an operator

Handling indirect warehouse receipt in intercompany transactions

The operation of indirect receipt is performed only in case of registering an intercompany transaction, if:

- an intercompany SOR document has been issued
- in the form of the secondary customer indicated in the SOR, the option of indirect replenishment in intercompany processes is selected
- there is an active intermediate warehouse in the target

Example

Below, there is an exemplary path of document circuit in an intercompany transaction with the use of indirect replenishment:

- In a company being a vendor, a SOR document to a customer/vendor associated with the customer's company has been issued.
- In the form of the secondary customer indicated in the SOR, the option of indirect replenishment in intercompany processes is selected
- By means of intercompany transactions, after confirming the SOR, a POR document with *Confirmed* status is automatically generated in the customer's company. The document has been created to *customer's intermediate* warehouse
- From the POR document, a warehouse movement WM- document is created, in which:
 - The source warehouse is the customer's intermediate warehouse
 - The target warehouse is the secondary customer's warehouse from the SOR document

Note

Cancelling a WM- document created as a result of the path SOR \rightarrow POR \rightarrow WM- results in cancelling the POR document.

Generating internal documents in the process of intercompany transactions

In the event of registering a return of a resource created by means of a POR issued to a customer/vendor defined as intercompany vendor and then moved with WM-/WM+ documents, it is possible to create mirrored documents IR- reflecting those returns.

Features of created IR+/IR- documents:

- In the document header, there is Source Number field which is filled in with the number of a WM- document which initiates an intercompany movement
- IR- document is created to the intermediate warehouse in the source company and in the field Customer/Vendor is filled in with the internal customer from the WM+ document
- IR+ document is always created to the intermediate warehouse in the source company and takes on *Confirmed* status
- features of items in IR+ are transferred directly from the IR- document (purchase/acquisition value, quantity, UOM, features, volume/net weight/gross weight)
- the documents do not have associations on the level of items/subitems
- it is not possible to correct them
- there is no possibility of a direct cancellation of IR+/IR- documents, such a process must by initiated by canceling the WM- which initiates the intercompany transaction

Differences between intercompany transactions and BPM process Generate Opposite Documents for Operations Executed Between Companies within One Structure

Differences between intercompany transactions and BPM process <<Generate Opposite Documents for Operations Executed Between Companies within One Structure>>:

- generation of SO and PO can be performed only by means of the standard BPM process
- when handling of intercompany transactions is activated, the process does not generate SO/PO documents
- a PO document is not executed by a POR if the following generation: SO → SOR → POR occured when handling intercompany transaction

Note

In the case of a buisness scenario in which issuing documents starts from a PO, it is recommended to use the process: Generate Opposite Documents for Operations Executed Between Companies within One Structure. For such a PO document to be executed, the whole circuit of documents must be handled by the process. [/aler]

 it is not possible to create PORQC → SORQC for SOR/POR and SI/PI documents created by the process - only documents created by the functionality of intercompany tansasctions are handled.

Differences between intercompany transactions and BPM process <<Generate Opposite Documents for Operations Executed Between Companies within One Structure>>:

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- a PO document is not executed by a POR if the following generation: SO → SOR → POR occured when handling intercompany transaction

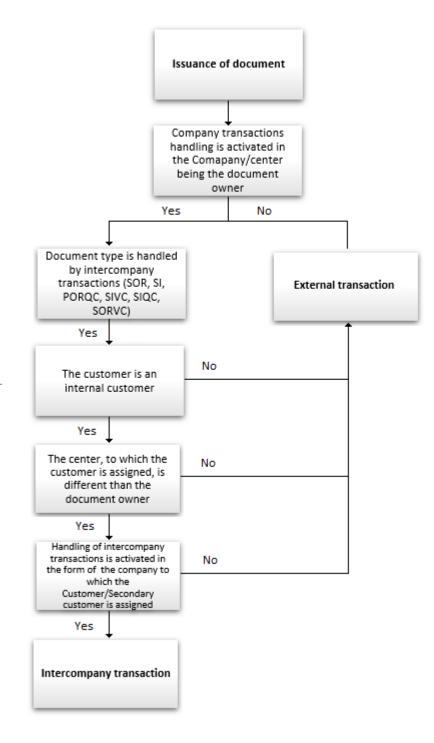
Note

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 it is not possible to create PORQC → SORQC for SOR/POR and SI/PI documents created by the process – only documents created by the functionality of intercompany tansasctions are handled.

Identification of intercompany transactions

The scheme below presents identification of an intercompany transaction:



Handling of intercompany

transactions with selected operator's permissions

Thanks to the possibility of creating documents of opposite type during intercompany transactions regardless of permissions of the operator issuing a source document, the system allows to handle the following business scenarios between centers, with the use of permissions of an additional operator:

- Generating: SOR \rightarrow POR and SI \rightarrow PI
- Generating corrections: PORQC \rightarrow SORQC and SIQC \rightarrow PIQC
- Intercompany warehouse movements: $WM-/+ \rightarrow POR \rightarrow WM-$
- Intercompany returns: WM-/+ \rightarrow PORQC/IR- \rightarrow SORQC/IR+ \rightarrow WM-
- Operations within more than two companies, e.g. intercompany return and sales to another company
- Cancelling: PI, POR, corrections and intercompany WM-/WM+

Assigning of an appropriate secondary operator can be performed from the level of tab *Computer*, in general system configuration. If no secondary operator is selected, operations are performed normally, with permissions of initiating operator.

Value corrections in intercompany transactions

Within intercompany transactions, it is possible to issue value corrections in the following paths:

■ SOR → POR

• SI → PI

Documents SIVC→SORVC and PIVC→PORVC are generated automatically upon confirming a SIVC/PIVC document. An exception is made for SOR documents which have not been invoiced yet.

Note

In case an error related to generating SORVC/PORVC occurs, e.g., because of the lack of the permissions to objects belonging to another company, the system block also the possibility of confirming SIVC/PIVC and displays an appropriate message.

Automatically generated opposite corrections belong, like the other documents issued with the use of intercompany transactions, belong to a company/center selected in Intercompany transaction tab, available in the company form:

Addresses	Documents	Operators	Tax Returns	POS Workstations	Intercompany Transactions	Attributes	Attachments			
Drag the column header here to group by that column										
Process							Owner			
P Rec							=			
SO Releas	e - PO Receipt						According to customer's/vendor's center			
Sales Invoi	ice - Purchase Ir	nvoice					According to customer's/vendor's center			
Sales Invoi	ice Quantity Cor	rection - Purc	hase Invoice Qu	antity Correction			According to customer's/vendor's center			
SO Release Value Correction - PO Receipt Value Correction							According to customer's/vendor's center			
Sales Invoi	ice Value Corre	tion - Purcha	se Invoice Value	According to customer's/vendor's center						
PO Receip	t Quantity Corre	ction - SO Re	lease Quantity (According to customer's/vendor's center						

Tab Intercompany transactions in the company form

Intercompany warehouse movements resuming

On the list of WM+ documents, [**Process**] button is available. This function allows for finishing the process of generating documents in a delivery intercompany transaction or in a return transaction initiated by the issuance of a WM- document for a warehouse of another company.

The button [**Process**] is presented, if:

- the current center belongs to a company with activated handling of intercompany transactions
- on the list of WM+ document there is one or many documents marked as intercompany
- the marked documents belong to the current center or to a center subordinated to the current center

Handling internal orders in intercompany processes

A process in which the headquarters orders particular shops to move items to another warehouse of their own or of an external company, can be executed with the use of an IO document issued between warehouses of different companies.

In case the IO document belongs to a center that belongs to a company with activated handling of intercompany transaction, any warehouse owned by another company handling intercompany transactions can be selected as the source warehouse. In the header of such document, under *Date of Issue* field, checked

parameter *Intercompany transaction* is presented (without the possibility of changing it).

If on the IO document, as the **source warehouse** is set:

- any warehouse owned by another company, then, like in the case of selecting a warehouse unavailable for the same company, the possibility of confirming orders, reserving resources and reserving quantities is blocked.
- a warehouse that is a POS warehouse in another company, it is possible to check Process in POS