



Global Trade Management

SAP S/4HANA 1809 (On-Premise): Stock Transfer Posting with Global Trade Management / Trading Execution Workbench

CUSTOMER

Version: 1809.0.1

Global Trade Management: Stock Transfer Posting

Introduction

In 1994 SAP developed object Trading Contract, a license-free component available on SAP ERP, SAP SoH and SAP S/4HANA (On-Premise) to implement international trading processes.

Since that time Global Trade Management (GTM) has been enhanced due to high customer response by features such as “Expense Management” or the “Trading Execution Workbench”.

The ability of processing Stock Transfers – as separate process step utilizing the Trading Execution Workbench - however, was not in scope since typically Trading Companies didn't operate own warehouses – direct deliveries from suppliers to customers were the major business requirement former times.

However, due to the necessity of handling import and export processes global operating companies nowadays are obliged to take warehouse processes into consideration for their trading business as well – meaning to transfer goods between different plants. Thus Stock Transfer Postings, processed out of the Trading Execution Workbench and with particular focus on associations between sales contract positions with purchase contract positions is subject of this development and hence delivered with SAP S/4HANA 1809 (On-Premise).

Global Trade Management: Stock Transfer Posting

Business Pain Points

During maintenance of a Trading Contract a trader needs to enter a plant and / or storage location. However, this information might change for the following use cases:

- A Trader maintains a Pre-Contract with subsequent call-offs. In this case the exact point of entry might change in the meantime
- The delivery time of materials might take a long time (e.g. delivery from China to Germany) and sales-side Trading Contracts will be created during shipment. Hence it is necessary to deliver the goods from the first destination point to another plant first
- Also goods movements within a plant are common business processes so that stock transfers regarding storage locations also need be taken into consideration



Global Trade Management: Business Requirement

Product features for SAP S/4HANA 1809 (On-Premise)

The following features are in scope:

1. Stock transfer of materials between **different storage locations**, utilizing the Trading Execution Workbench, applying restricted rules (see chapter for “Scenario 1”)
2. Stock transfer of materials between **different plants**, utilizing the Trading Execution Workbench, applying restricted rules (see chapter for “Scenario 2”)
3. Integration of field `Open Quantity` as additional field in the List Viewer of the Trading Execution Workbench **to indicate the quantity available** for Stock Transfer Postings
4. For both scenarios - Stock Transfers between storage locations and/or plants – it must be guaranteed that already associated quantities **may not get fragmented into smaller subsets** but moved entirely

Excursus: Explanation of Terms

Open Quantity, Associated Quantity, Unassociated Quantity in the context of Stock Transfer Postings

- 1. Open quantity:** The `Open Quantity available for Stock Transfers` is calculated differently by the system depending on the type of Stock Transfer:
 - Storage locations: Open quantity = unassociated quantities plus associated quantities minus associated quantities for which an Goods Issue has been posted
 - Plants: Open quantity = unassociated quantity plus associated quantities for which no follow-on documents have been created (Sales Orders, Outbound Deliveries, etc.)
- 2. Associated Quantity relevant for Stock Transfer:**
 1. Storage location to storage location: Relevant for stock transfer are quantities of sales-side Trading Contracts which have been associated to Goods Receipts of a purchase side Trading Contract - except for quantities which have been already maintained in follow-on document „Goods Issue“
 2. Plant to Plant: Relevant for stock transfer are quantities of sales-side Trading Contracts which have been associated to Goods Receipts of a purchase-side Trading Contract - except for quantities for which follow-on document „Sales Order“ already has been created
- 3. Unassociated Quantity:** This quantity is calculated as the quantity of a Goods Receipt minus the summarized associated quantities of the Goods Receipt



Stock Transfer Postings – Product feature details

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Global Trade Management – Scenario 1

Storage Location > Storage Location:

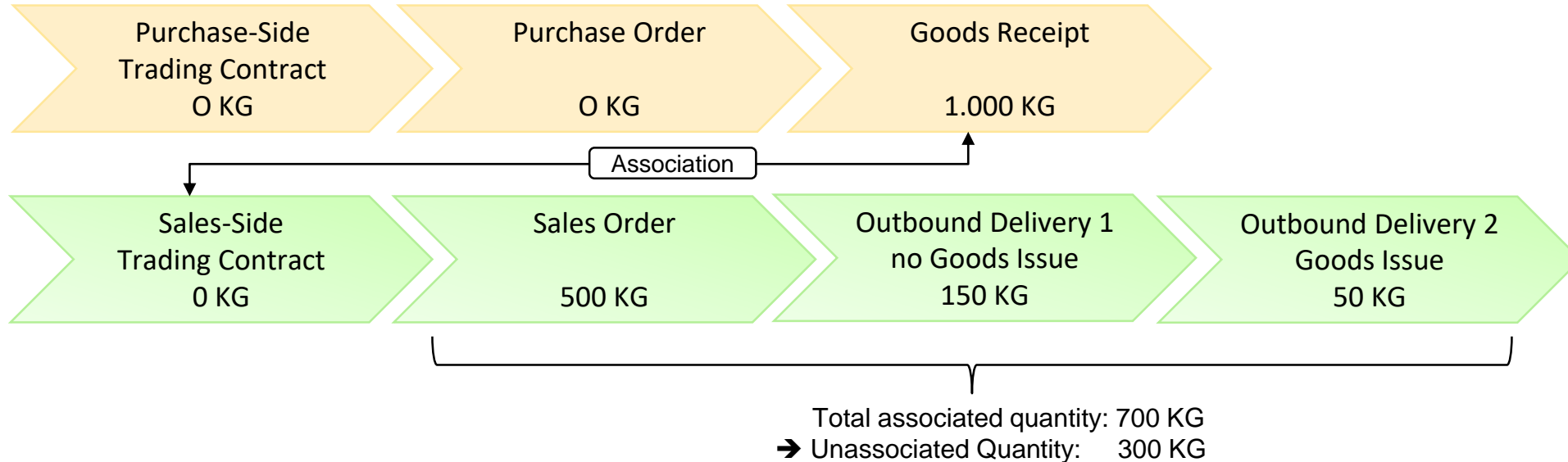
If materials shall be moved **from one storage location to another**, unassociated quantities can be used for stock transfers as well as associated quantities of sales-side Trading Contracts – except for quantities which have been already maintained in follow-on document „Goods Issue“.

Rules to apply: If the quantity relevant for Stock Transfer ...

- 1. equals** to an **associated quantity**, the entire associated quantity shall be transferred (except for quantities which have been already maintained in follow-on document „Goods Issue“)
- 2. is less or equal to** an **unassociated quantity**, the unassociated quantity shall be transferred
- 3. is higher** than an **unassociated quantity**, the following logic applies:
 - If the relevant quantity is higher or equal to an associated quantity take the entire associated quantity
 - In case of remaining quantities perform this check again. Note the descending order for this check
 - If the remaining quantity is less than an associated quantity, check whether the relevant quantity is less or equal to an unassociated quantity. If yes, use the unassociated quantity for stock transfer. If not, the stock transfer can not be executed

Global Trade Management – Scenario 1

Initial situation



Open Quantity	Unassociated Quantity	Associated Quantity relevant for Stock Transfer
950 KG	300 KG	650 KG

Associated Quantity relevant for Stock Transfer:	
Sales Order:	500 KG
+ Outbound Del. 1:	150 KG
Outbound Del. 2:	not relevant due to goods issue
	0 KG
	<u>650 KG</u>

Open Quantity:	
Unassoc. Quantity:	300 KG
+ Associated Quantity relevant for ST:	650 KG
	<u>950 KG</u>

Remarks:

- A Goods Receipt has been posted about 1.000 KG. The initial open quantity relevant for stock transfer is 1.000 KG.
- A sales-side Trading Contract with two Outbound Deliveries is associated to the Goods Receipt. However, the quantity of Outbound Delivery 2 has been already delivered to the customer and is hence no longer available for stock transfer postings anymore. The open quantity remaining for stock transfers is reduced from 1.000 KG to 950 KG
- The associated quantity relevant for stock transfer equals the sum of associated quantities (700 KG) minus quantities maintained in follow-on document Goods Receipt (50 KG)

Global Trade Management – Scenario 1

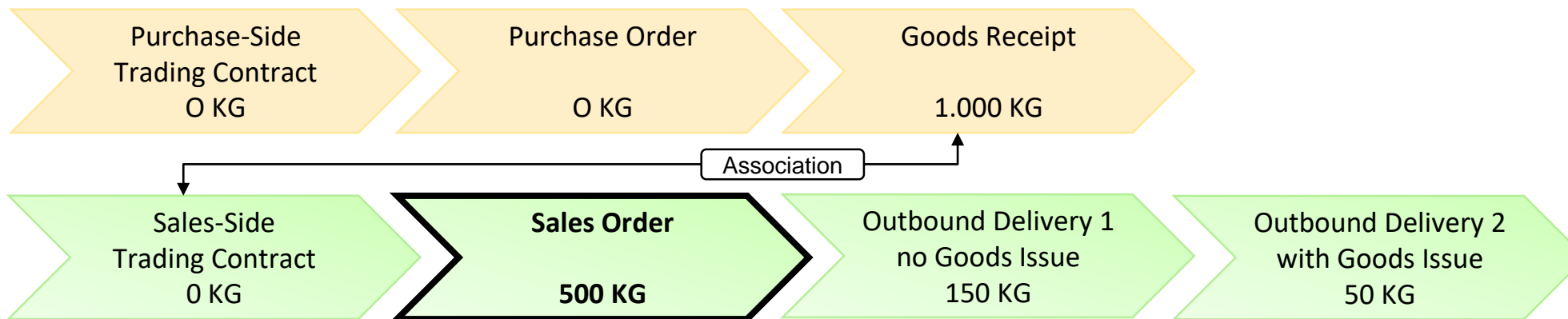
Use Case 1: Entered Quantity = Associated Quantity

Open Quantity	Unassociated Quantity	Associated Quantity relevant for Stock Transfer
950 KG	300 KG	650 KG

Rules to apply: If the quantity relevant for Stock Transfer ...

1. equals to an associated quantity, the associated quantity shall be transferred (except for quantities which have been already maintained in follow-on document „Goods Issue“)

Example: Stock Transfer of 500 KG: The associated quantity of the Sales Order (500 KG) can be transferred



Global Trade Management – Scenario 1

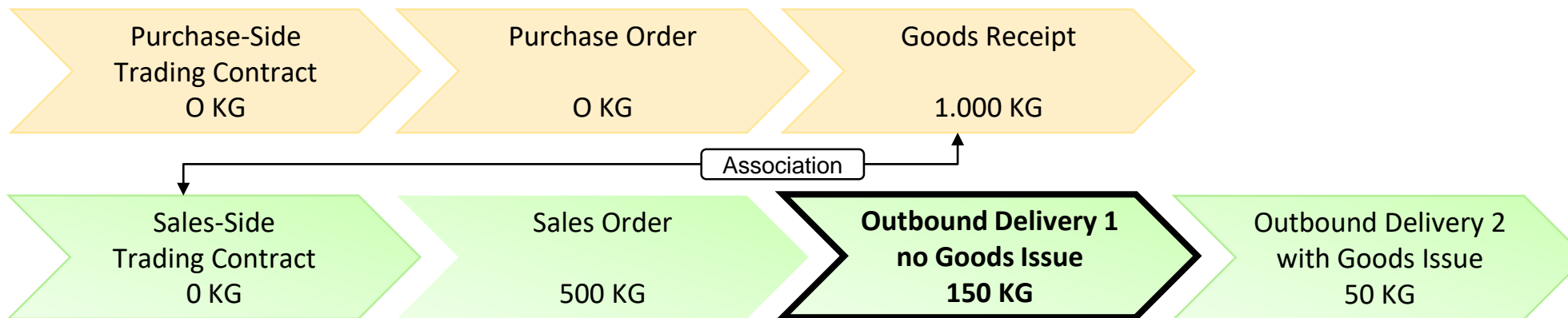
Use Case 1: Entered Quantity = Associated Quantity

Open Quantity	Unassociated Quantity	Associated Quantity relevant for Stock Transfer
950 KG	300 KG	650 KG

Rules to apply: If the quantity relevant for Stock Transfer ...

1. equals to an associated quantity, the associated quantity shall be transferred (except for quantities which have been already maintained in follow-on document „Goods Issue“)

Example: Stock Transfer of 150 KG: The associated quantity of Outbound Delivery 1 (150 KG) can be transferred



Global Trade Management – Scenario 1

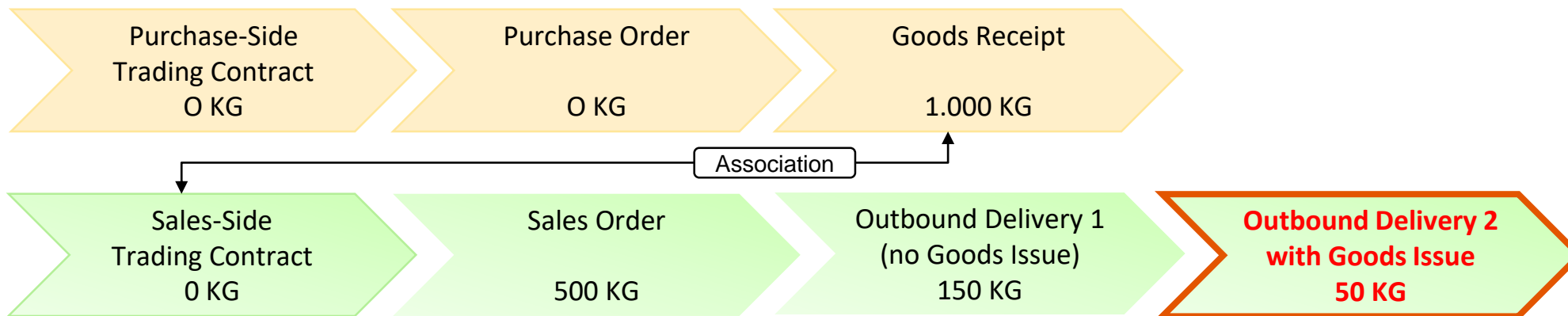
Use Case 1: Entered Quantity = Associated Quantity

Open Quantity	Unassociated Quantity	Associated Quantity relevant for Stock Transfer
950 KG	300 KG	650 KG

Rules to apply: If the quantity relevant for Stock Transfer ...

1. equals to an already associated quantity, the associated quantity shall be transferred (except for quantities which have been already maintained in follow-on document „Goods Issue“)

Example: Stock Transfer of 50 KG: The associated quantity of Outbound Delivery 2 (50 KG) is no longer available due to goods issue. It also does not match the quantities of the Sales Order nor of Outbound Delivery 1. Hence, the stock transfer **can't be fulfilled using an associated quantity**. As an option the stock transfer can be performed using **the unassociated quantity**.



Global Trade Management – Scenario 1

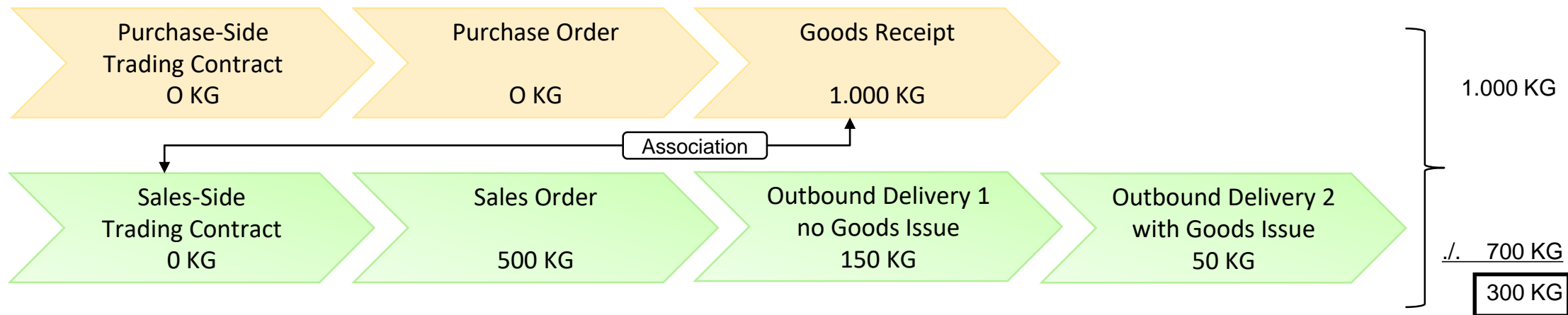
Use Case 2: Entered Quantity <= Unassociated Quantity

Open Quantity	Unassociated Quantity	Associated Quantity relevant for Stock Transfer
950 KG	300 KG	650 KG

Rules to apply: If the quantity relevant for Stock Transfer ...

2. is less or equal to an unassociated quantity, the unassociated quantity shall be transferred

Example: Stock Transfer of 50 KG: The quantity relevant for stock transfer (50 KG) is less than the unassociated quantity (300 KG). Hence, the quantity relevant for stock transfer can be taken from the unassociated quantity.



Global Trade Management – Scenario 1

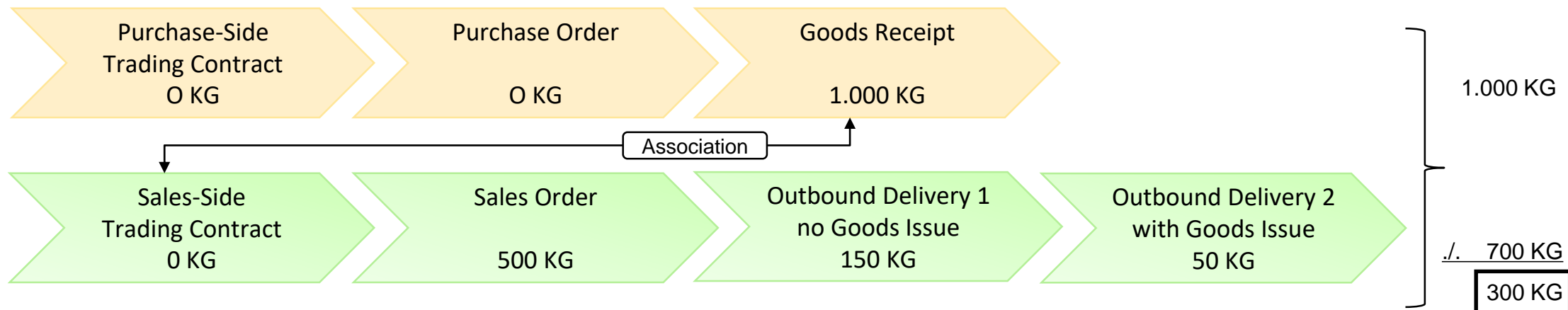
Use Case 2: Entered Quantity <= Unassociated Quantity

Open Quantity	Unassociated Quantity	Associated Quantity relevant for Stock Transfer
950 KG	300 KG	650 KG

Rules to apply: If the quantity relevant for Stock Transfer ...

- is less or equal to an unassociated quantity, the unassociated quantity shall be transferred

Example: Stock Transfer of 250 KG: The quantity relevant for stock transfer (250 KG) is less than the unassociated quantity (300 KG). Hence, the quantity relevant for stock transfer can be taken from the unassociated quantity.



Global Trade Management – Scenario 1

Use Case 3: Entered Quantity > Unassociated Quantity

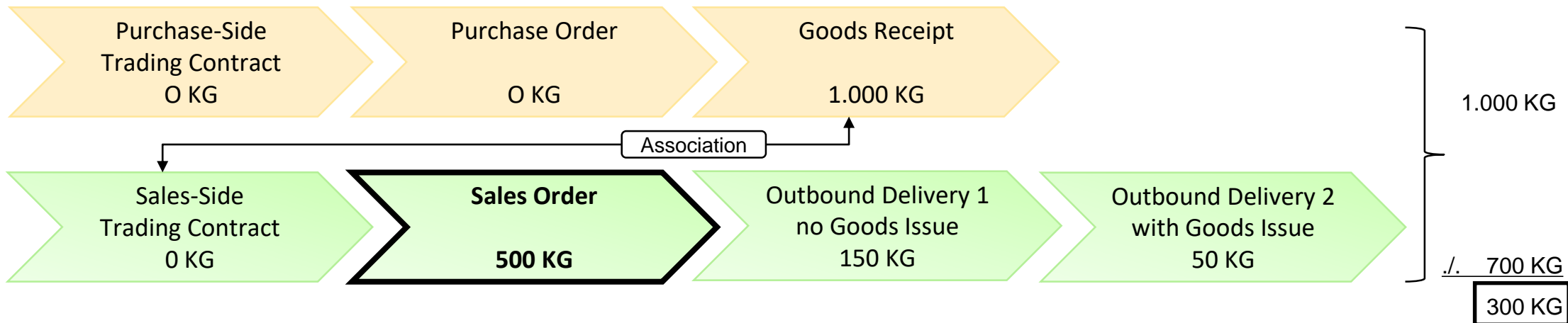
Open Quantity	Unassociated Quantity	Associated Quantity relevant for Stock Transfer
950 KG	300 KG	650 KG

Rules to apply: If the quantity relevant for Stock Transfer ...

3. is higher than an unassociated quantity, the following logic applies:

- If the relevant quantity is higher or equal to an associated quantity take the entire associated quantity for stock transfer. In case of remaining quantities perform this check again. Note the descending order for this check
- If the remaining quantity is less than an associated quantity, check whether the relevant quantity is less or equal to an unassociated quantity. If yes, use the unassociated quantity. If not, the stock transfer can not be executed

Example: Stock Transfer of 600 KG: 600 KG is higher than the unassociated quantity (300 KG). The relevant quantity is higher than the associated quantity of the sales order (600 KG > 500 KG). The remaining quantity (100 KG) is not higher than the associated quantity of Outbound Delivery 1 (150 KG). But the remaining quantity (100 KG) is lower than the unassociated quantity (300 KG). Hence, the stock transfer can be fulfilled.



Global Trade Management – Scenario 1

Use Case 3: Entered Quantity > Unassociated Quantity

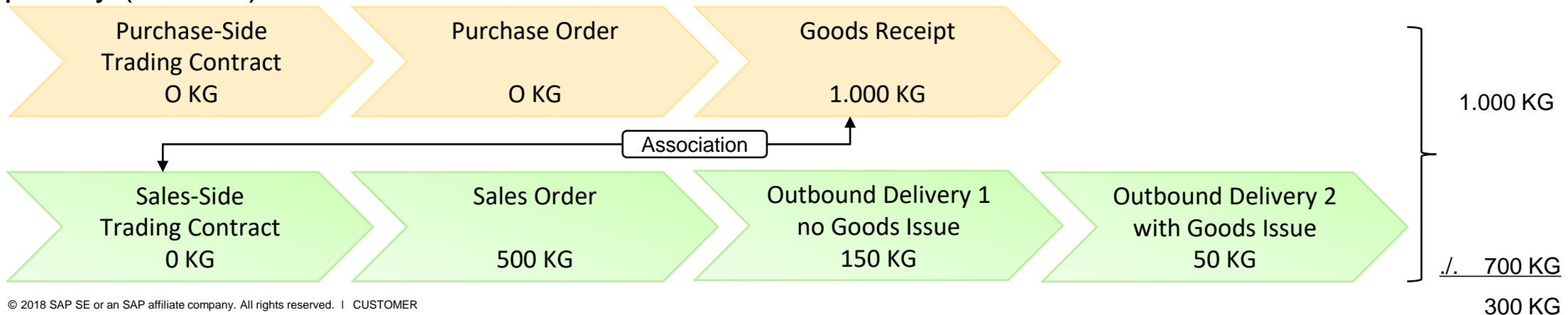
Open Quantity	Unassociated Quantity	Associated Quantity relevant for Stock Transfer
950 KG	300 KG	650 KG

Rules to apply: If the quantity relevant for Stock Transfer ...

3. is higher than an unassociated quantity, the following logic applies:

- If the relevant quantity is higher or equal to an associated quantity take the entire associated quantity for stock transfer. In case of remaining quantities perform this check again. Note the descending order for this check
- If the remaining quantity is less than an associated quantity, check whether the relevant quantity is less or equal to an unassociated quantity. If yes, use the unassociated quantity. If not, the stock transfer can not be executed

Example: Stock Transfer of 470 KG: 470 KG is higher than the unassociated quantity (300 KG). But it's not higher than the quantity of the Sales Order (500 KG) - hence not available for stock transfer. Although the relevant quantity (470 KG) is higher than the associated quantity of Outbound Delivery 1 (150 KG) the stock transfer **can not be fulfilled** since the remaining quantity of 320 KG is not less or equal to the unassociated quantity (300 KG).



Global Trade Management – Scenario 2

Plant > Plant:

If materials shall be transferred **from plant to plant**, unassociated quantities can be used for stock transfers as well as associated quantities of sales-side Trading Contracts - **except for quantities of sales-side Trading Contracts for which a follow-on document has been already created** (Sales Order).

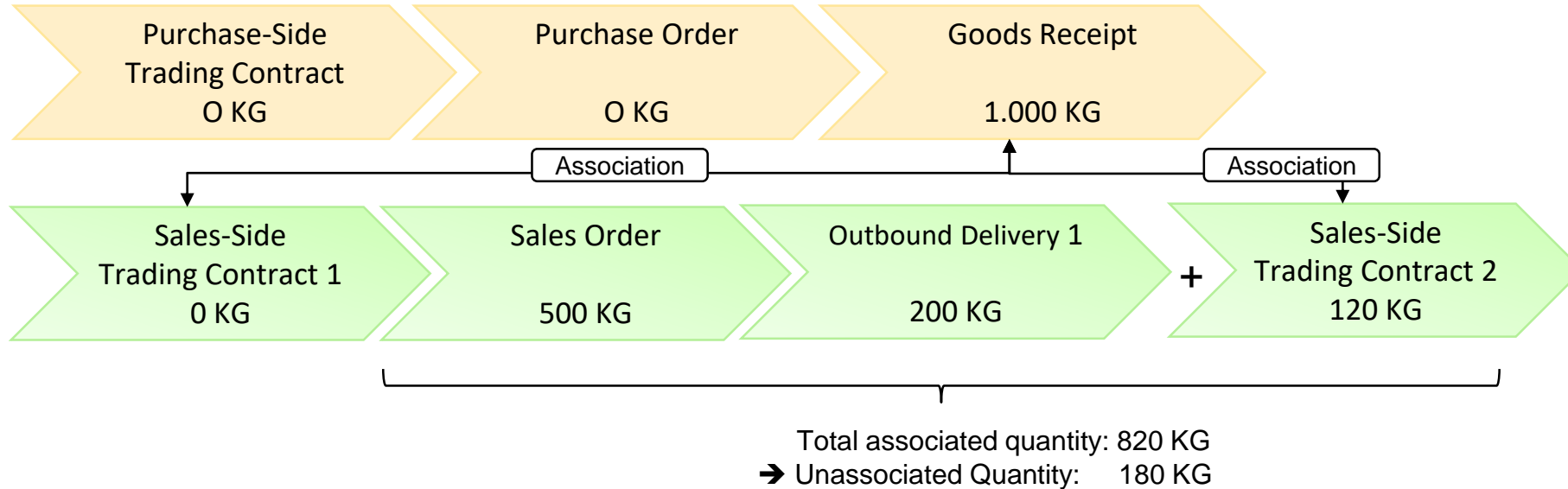
Rules to apply: If the material quantity to be transferred ...

1. **equals** to an **associated quantity** connected to a sales-side Trading Contract (except for quantities from generated follow-on documents (Sales Orders)), this quantity shall be used for stock transfers
2. is **less** or equal to an **unassociated quantity**, the unassociated quantity shall be used for stock transfers
3. is **higher** or equal to an **unassociated quantity**, the following logic applies:
 - Transfer the **associated quantity** first (note: an associated quantity may not get fragmented)
 - Transfer any remaining quantities from the unassociated quantity

Global Trade Management – Scenario 2

Initial situation

Open Quantity	Unassociated Quantity	Associated Quantity relevant for Stock Transfers
300 KG	180 KG	120 KG



Remarks:

- A Goods Receipt has been posted about 1.000 KG. The initial open quantity relevant for stock transfer is 1.000 KG
- Two Trading Contracts have been associated to the goods receipt of about 820 KG. The **unassociated quantity** hence is $1.000 \text{ KG} - 820 \text{ KG} = 180 \text{ KG}$
- Only sales-side Trading Contract 2 has no follow-on documents generated – hence the **associated quantity** relevant for stock transfer is 120 KG
- The **open quantity** finally equals the unassociated quantity (180 KG) + associated quantity for which no follow-on documents have been generated (120 KG) = 300 KG

Global Trade Management – Scenario 2

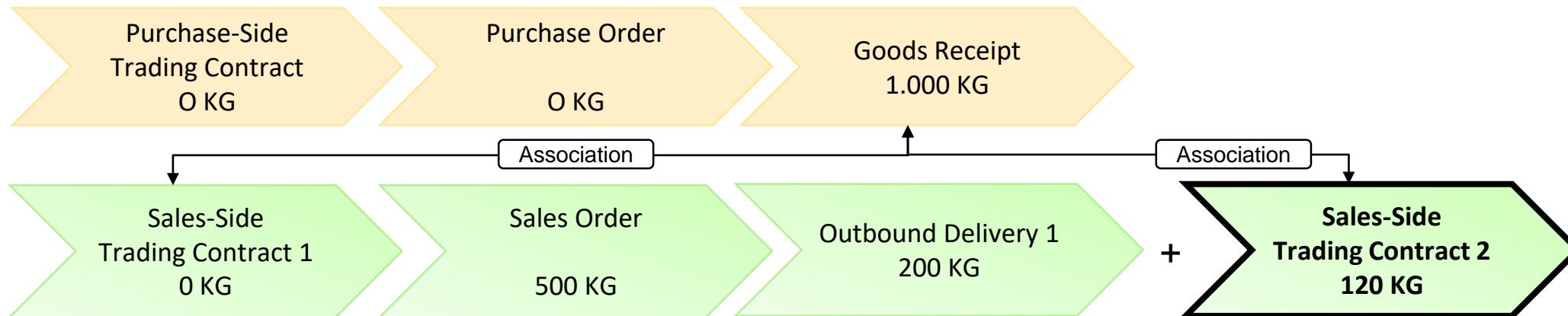
Use Case 1: Entered Quantity = Associated Quantity

Open Quantity	Unassociated Quantity	Associated Quantity relevant for Stock Transfers
300 KG	180 KG	120 KG

Rules to apply: If the material quantity to be transferred ...

1. **equals** to an **associated quantity** connected to a sales-side Trading Contract (except for quantities from generated follow-on documents (Sales Orders)), this quantity shall be used for stock transfers

Example: Stock Transfer of 120 KG: 120 KG equals to the associated quantity of Trading Contract 2 (120 KG) since for this trading contract no follow-on documents have been generated so far. Hence, the stock transfer can be fulfilled.



Global Trade Management – Scenario 2

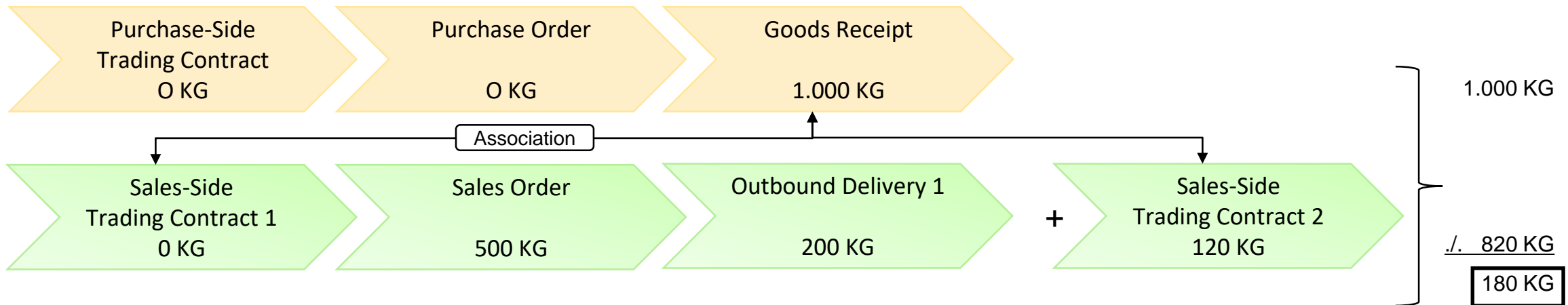
Use Case 2: Entered Quantity <= Unassociated Quantity

Open Quantity	Unassociated Quantity	Associated Quantity relevant for Stock Transfers
300 KG	180 KG	120 KG

Rules to apply: If the material quantity to be transferred ...

- is less or equal to an unassociated quantity, the unassociated quantity shall be used for stock transfers

Example: Stock Transfer of 150 KG: 150 KG is less than the unassociated quantity (180 KG) and can be taken for stock transfer.



Global Trade Management – Scenario 2

Use Case 3: Entered Quantity \geq Unassociated Quantity

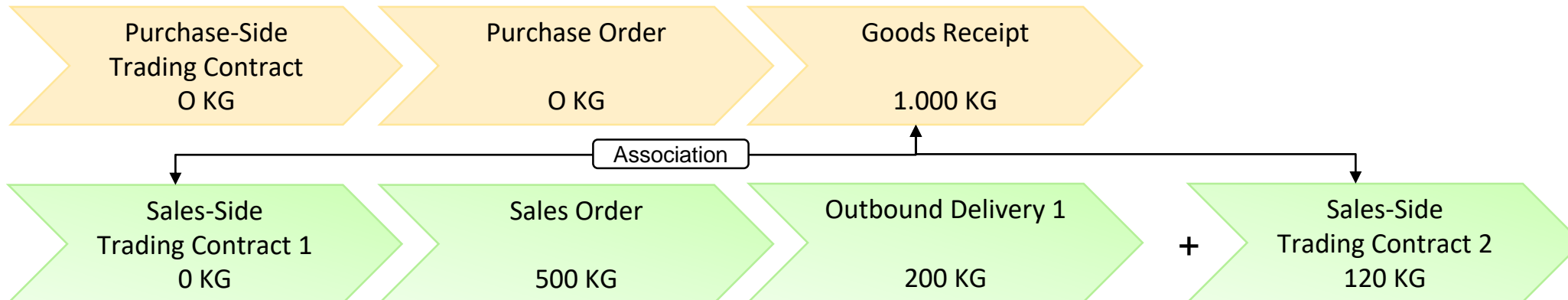
Open Quantity	Unassociated Quantity	Associated Quantity relevant for Stock Transfers
300 KG	180 KG	120 KG

Rules to apply: If the material quantity to be transferred ...

3. is higher or equal to an unassociated quantity, the following logic applies:

- Transfer the **associated quantity first** (note: an associated quantity may not get fragmented)
- Transfer any remaining quantities from the **unassociated quantity**

Example: Stock Transfer of 600 KG: 600 KG is higher than the unassociated quantity (180 KG). The associated quantity (120 KG) can be used first. However, the remaining quantity of 480 KG (600 KG – 120 KG) is higher than the unassociated quantity (180 KG). Hence, the stock transfer **can't be fulfilled**.



Global Trade Management – Scenario 2

Use Case 3: Entered Quantity >= Unassociated Quantity

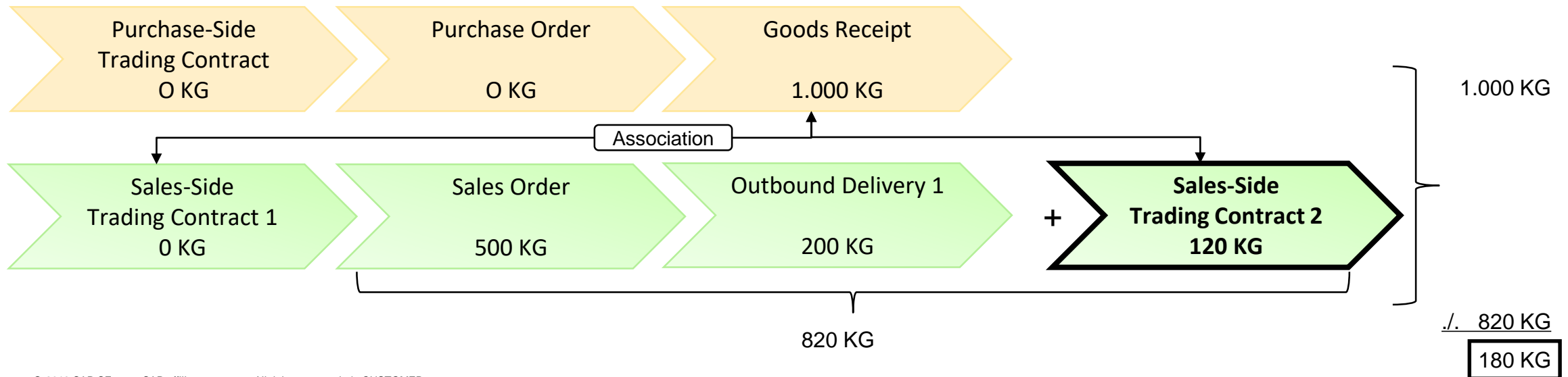
Open Quantity	Unassociated Quantity	Associated Quantity relevant for Stock Transfers
300 KG	180 KG	120 KG

Rules to apply: If the material quantity to be transferred ...

3. is higher than an unassociated quantity, the following logic applies:

- Transfer the **associated quantity first** (note: an associated quantity may not get fragmented)
- Transfer any remaining quantities from the **unassociated quantity**

Example: Stock Transfer of 250 KG: 250 KG is higher than the unassociated quantity (180 KG). The associated quantity (120 KG) can be used first. The remaining quantity of 130 KG (250 KG – 120 KG) can be taken from the unassociated quantity (180 KG). Hence, the stock transfer can be fulfilled.





Stock Transfer Postings - Customizing

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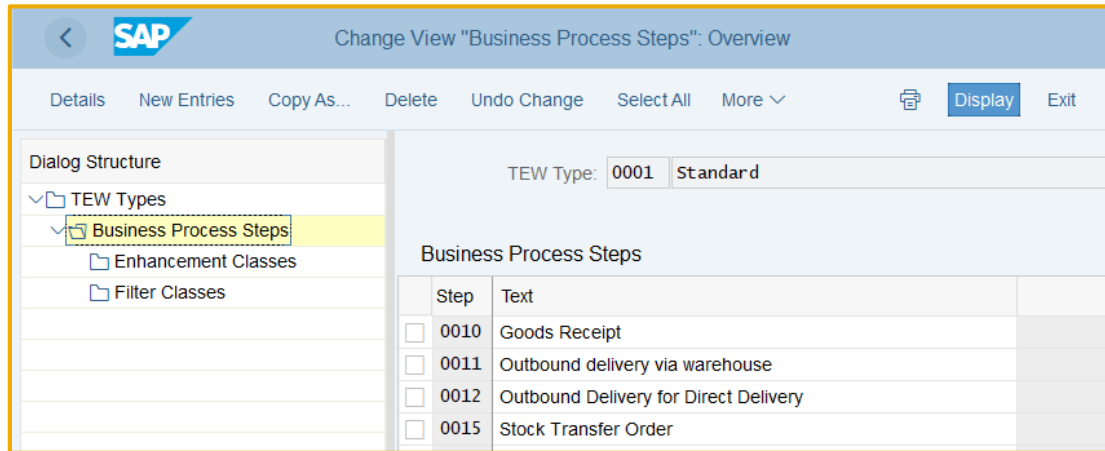
Stock Transfer Postings: Configuration delivered with SAP Standard

Path: IMG > Logistics General > Global Trade Management:

1. Trading Execution Workbench – Define Business Process Steps
2. Trading Execution Workbench – Group Business Process Steps
3. Trading Execution Workbench – Define Action Class
4. Trading Execution Workbench – Define Enhancement Classes
5. Trading Execution Workbench – Define Filter Classes
6. Trading Execution Workbench – Define Possible Combinations of Business Process Steps
7. Trading Execution Workbench – Assign Action Classes to Combinations of Business Process Steps
8. Position Management - Association Management - Combine Business Process Steps for Association

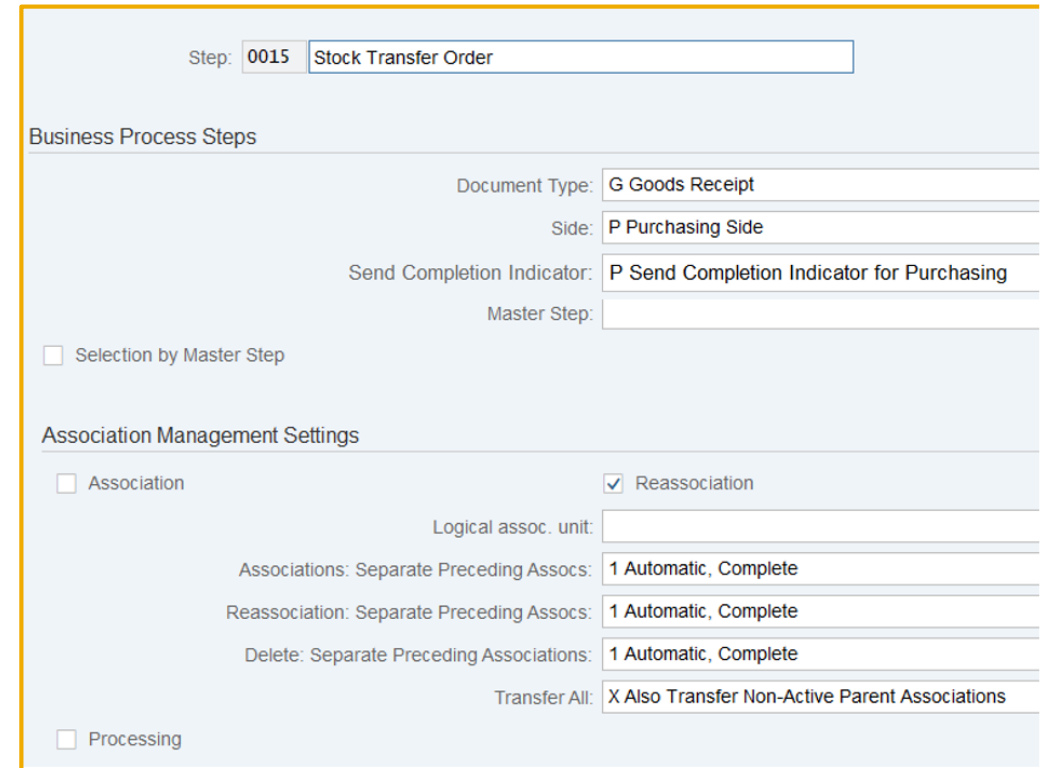
1. Define Business Process Steps

Definition of new business process step 'Stock Transfer Order' for usage in the Trading Execution Workbench.

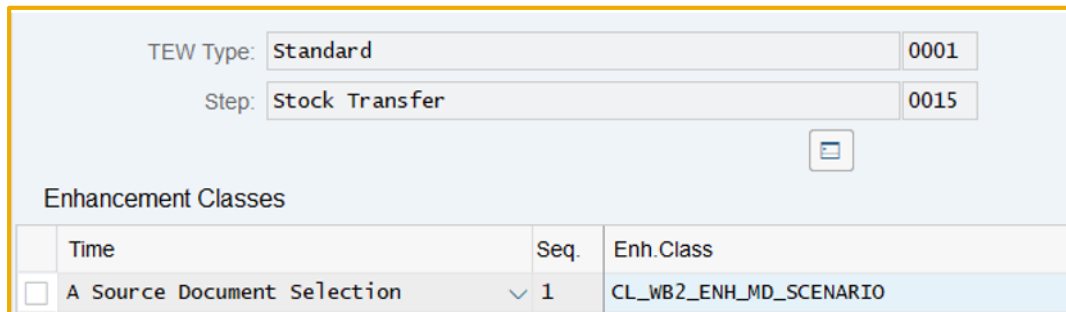


Relevant parameter:

- Document Type, Side, Completion Indicator, Indicator for Association/Reassociation, Association Separation, Associations in Deletion Operation & Quantity increase & effect on associations

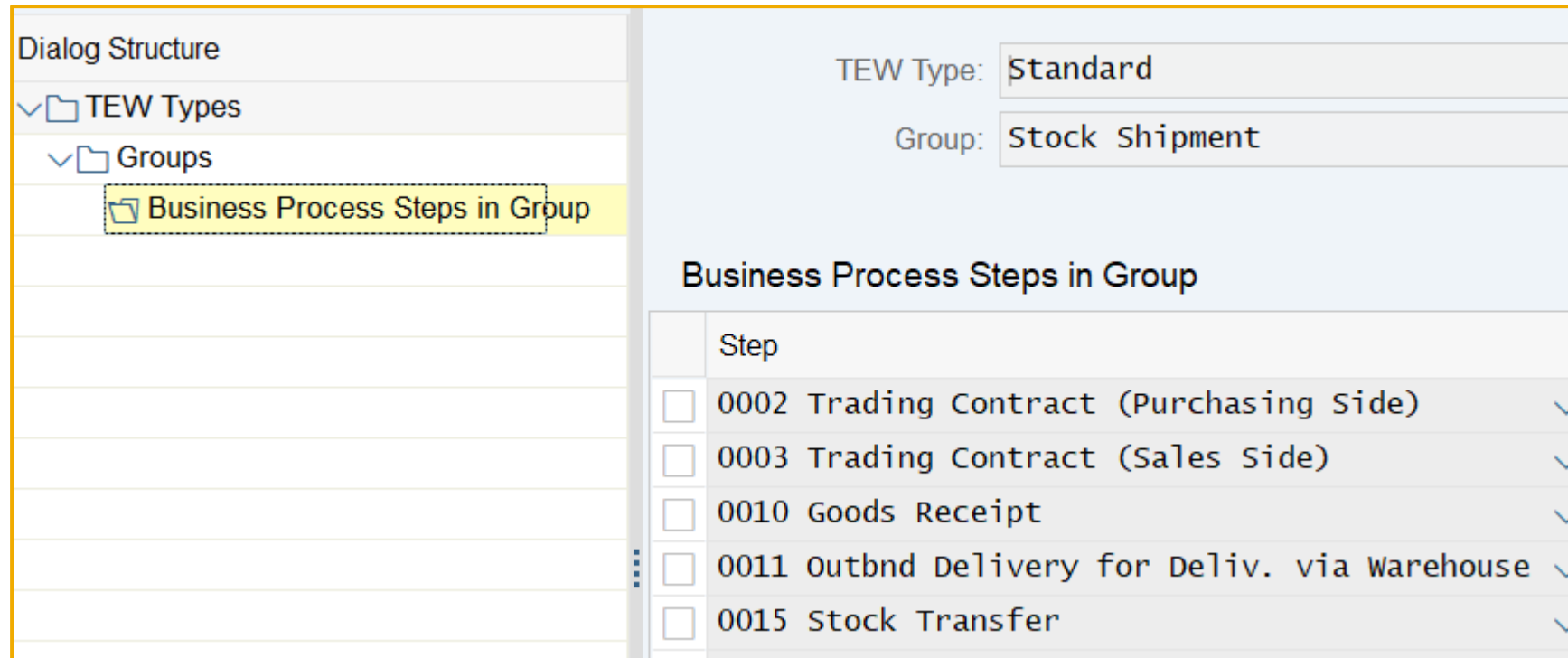


Enhancement Class:



2. Group Business Process Steps

Definition of business groups (Stock Shipment, Drop Shipment, ...) and assignment of business process step `Stock Transfer`.



The screenshot shows the SAP dialog structure for defining business process steps in a group. The left pane shows the navigation tree with 'Business Process Steps in Group' selected. The right pane shows the configuration for the selected group, including the TEW Type and Group, and a list of business process steps.

Dialog Structure

- TEW Types
 - Groups
 - Business Process Steps in Group**

TEW Type: Standard

Group: Stock Shipment

Business Process Steps in Group

Step
<input type="checkbox"/> 0002 Trading Contract (Purchasing Side) ∨
<input type="checkbox"/> 0003 Trading Contract (Sales Side) ∨
<input type="checkbox"/> 0010 Goods Receipt ∨
<input type="checkbox"/> 0011 Outbnd Delivery for Deliv. via Warehouse ∨
<input type="checkbox"/> 0015 Stock Transfer ∨

3. Define Action Class

New action class `Action Class to Create Stock Transfer` (CL_WB2_ACTION_ST_CREATE) to trigger Goods Movement based on document type Goods Receipt.

Dialog Structure

- Applications
 - Action Classes

Application: LO-GT

Action Classes

Class	Text
<input type="checkbox"/> CL_WB2_ACTION_SHD_CHANGE	change and create assignments
<input type="checkbox"/> CL_WB2_ACTION_ST_CREATE	Action Class to create stock transfer

Application: LO-GT

Class: CL_WB2_ACTION_ST_CREATE

Text: Action Class to create stock transfer

Action Classes

Operation: Create

Operation Type: Online transaction

Source Document Type: G Goods Receipt

Target Document Type: G Goods Receipt

Source Document Selection Type: A Item

TCode: MIGO Goods Movement

4. Define Enhancement Classes

Enhancement Class `CL_WB2_ENH_GR_STO_OPEN_QTY` to calculate the open quantity and to display the value as additional data in the Trading Execution Workbench list viewer.

Application:

Enhancement Classes

	Enh.Class	DocDataTyp	Text
<input type="checkbox"/>	CL_WB2_ENH_GR_LIV_REMAININGQTY	F Material Data	∨
<input checked="" type="checkbox"/>	CL_WB2_ENH_GR_STO_OPEN_QTY	F Material Data	∨ set open qty available for STO

5. Define Filter Classes

Usage of filter class "CL_WB2_FILTER_TC_OPEN_QUANTITY to filter trading contract items with zero or negative quantity (which is calculated by enhancement class `CL_WB2_ENH_GR_STO_OPEN_QTY`)

Application:

Filter Classes

	Filt.Class	DocDataTyp	Text
<input type="checkbox"/>	CL_WB2_FILTER_TC_OPEN_QUANTITY	K Trading Contract Data ▾	Filter Out When Open Quantity Is 0 or -
<input type="checkbox"/>			

6. Define Possible Combinations of Business Process Steps

TEW Type:

Possible Combinations

	Step	Mode	Previous Step
<input type="checkbox"/>	0015 stock Transfer	0001 Create	0010 Goods Receipt
<input type="checkbox"/>	0015 stock Transfer	0001 create	0015 stock Transfer
<input type="checkbox"/>	0015 stock Transfer	0003 Display	0015 stock Transfer

Additional combinations of business steps and modes for stock transfers to appear in the Trading Execution Workbench (type `Standard`)

TEW Type:

Step:

Mode:

Previous Step:

Selection Step

	Item	Step
<input type="checkbox"/>	0	0001 Trading Contract
<input type="checkbox"/>	1	0010 Goods Receipt

TEW Type:

Step:

Mode:

Previous Step:

Selection Step

	Item	Step
<input type="checkbox"/>	10	0001 Trading Contract
<input type="checkbox"/>	20	0015 Stock Transfer

TEW Type:

Step:

Mode:

Previous Step:

Selection Step

	Item	Step
<input type="checkbox"/>	10	0001 Trading Contract
<input type="checkbox"/>	20	0015 Stock Transfer

7. Assign Action Classes to Combinations of Business Process Steps

TEW Type: Standard 0001

Possible Combinations

Step	Session	Previous Step
<input type="checkbox"/> 0015 stock Transfer	0001 create	0010 Goods Receipt
<input type="checkbox"/> 0015 stock Transfer	0001 create	0015 stock Transfer
<input type="checkbox"/> 0015 stock Transfer	0003 Display	0015 stock Transfer

Assign Classes

Class: CL_WB2_ACTION_ST_CREATE

New Roll Area

Operation Type: Online transaction

Variant Transaction:

Cross-Reference: No Cross-References

Deactivate Associations

Assign Classes

Class: CL_WB2_ACTION_GR_DISPLAY

New Roll Area

Operation Type: Online transaction

Variant Transaction:

Cross-Reference: No Cross-References

Deactivate Associations

Note: For the creation of stock transfers based on goods receipts movement type '301 - Transfer Posting Plant to Plant' is assigned:

Parameters	
Field Name	Field Val.
<input type="checkbox"/> GR_MOVEMENT_TYPE	301

8. Combine Business Process Steps for Association

Definition of relevant business process steps to be associated with business process step
“Stock Transfer”

TEW Type: <input type="text" value="Standard"/>		<input type="text" value="0001"/>			
Steps for Association					
	RecvngStp	AssocdStp	Association Not Changeable	As.cannot be deleted	Complete
<input type="checkbox"/>	0015 Stock Transf... ▾	0003 Trading Contract (Sales Side) ▾	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	0015 Stock Transf... ▾	0011 Outbnd Delivery for Deliv. via Warehouse ▾	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Example: Transfer from Plant to Plant

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Example: Plant to Plant

Use Case

- Creation of a purchase-side Trading Contract about 100 KG in plant 0001 with a subsequent goods receipt
- Creation of two sales-side Trading Contracts
 - Trading Contract 1 about 60 KG for plant 0001. The trading contract has been released, follow-up document Sales Order has been generated and is associated to the goods receipt
 - Trading Contract 2 about 40 KG for plant 0003. The trading contract hasn't been released (no follow-on document generated); association hasn't been performed
- Stock Transfer of 40 KG from plant 0001 to plant 0003 utilizing the Trading Execution Workbench
- Goal: the system only allows to transfer 40 KG since Trading Contract 1 (60 KG) may not be taken into consideration for stock transfer due to the creation of a follow-on document
- As last step sales-side Trading Contract 2 gets associated to the 'Stock Transfer' (60 KG transferred to plant 0003) out of the trading contract (dialog-box „Association Maintenance“)

Purchase-side Trading Contract & Goods Receipt in plant 0001

SAP Change Trading Contract (Purchasing Side) 973

Header Data Expenses Status Overview Trading Contracts Profit Simulation User Settings More

Trading Contract: 973 Trading Contract (Purchasing Side)

Supplier: CCSV000027 Test Vendor: CCS / Neurottstrasse 16 / D-69190 Walldorf

Net Value: 1.000,00 EUR / 1,00000 M

External Identifier: PLANT TO PLANT

Person Responsible: TYCNER

Document Date: 25.10.2018

Translation Date: 25.10.2018

Document Flow

- Trading Contract 973
 - Trading Contract (Purchasing Side) 45001
 - Goods Receipt 5000036484
 - Accounting Document 5000021362

Item Overview Quantity Overview Price Overview Flexible View Add-On Overview Default Data

Trading Contract Items

Item Nu...	Item Category	Supplier	Material	Plant	Storage Location	Quantity Ordered	Ord...	B...	Batch	Valuation Type
10	0002 Stoc...	<u>CCSV000027</u>	CCSM0000000000000001	Werks Walldorf T001W	Lager 0001	100	KG			

Sales-side Trading Contract 1 with follow-on document; associated to Goods Receipt

SAP Change Trading Contract (Sales Side) 974

Header Data Expenses Status Overview Trading Contracts Profit Simulation User Settings More ▾ Exit

Trading Contract: 974 Trading Contract (Sales Side)

Sold-To Party: CCSC000008 Test customer: CCS / Neurottstrasse 16 / D-69190 Walldorf Person Responsible:

Net Value: EUR / M

Document Date:

Translation Date:

External Identifier:

Item Overview Quantity Overview Price Overview Flexible View Add-On Overview Default Data

Trading Contract Items

Item Category	Material	Plant	Storage Location	Sales Quantity	Sales Unit	B...	Batch	Valuation Type	Item Desc...	C...	Size/
<input type="checkbox"/> 0002 Stoc...	CCSM0000000000000001	Werks Walldorf T001W	Lager 0001	60	KG	<input type="checkbox"/>			Testmateria	<input type="checkbox"/>	

Document Flow

- Trading Contract 974
 - Trading Contract (Sales Side) 205214
 - Association
 - Goods Receipt 5000036484

Sales-side Trading Contract 2 without follow-on document; no association

SAP Change Trading Contract (Sales Side) 975

Header Data Expenses Status Overview Trading Contracts Profit Simulation User Settings More

Trading Contract: 975 Trading Contract (Sales Side)

Sold-To Party: CCSC000009 Test customer: CCS / Neurottstrasse 16 / D-69190 Walldorf

Person Responsible:

Document Date: 25.10.2018

Translation Date: 25.10.2018

Net Value: 800,00 EUR / 1,00000 M

External Identifier: PLANT TO PLANT

Item Overview Quantity Overview Price Overview Flexible View Add-On Overview Default Data

Trading Contract Items

Item Nu...	Item Category	Material	Plant	Storage Location	Sales Quantity	Sales Unit	Batch	B...	Valuation Type	Item ...	C...	Size/E
<input type="checkbox"/>	10 0002 Stoc...	CCSM00000000000001	Werk 0003	Lager 0001	40	KG		<input type="checkbox"/>		Test...	<input type="checkbox"/>	
<input type="checkbox"/>								<input type="checkbox"/>			<input type="checkbox"/>	

Stock Transfer utilizing Trading Execution Workbench

- 'Stock Transfer' as new business process step
- New field „Open Quantity“ as additional field in the List Viewer **to indicate the quantity available** for Stock Transfer Postings
- At this time value of field “Open Quantity” remains unchanged since calculation logic differs depending on the type of of goods movement („Storage location“ > Storage location or „Plant to Plant“)

The screenshot displays the SAP Trading Execution Workbench interface. On the left, a document flow tree shows the current task: Trading Contract (Sales Side) 205214. The main area is titled 'Task' and contains configuration fields: Group (0002 Stock Shipment), Step (0015 Stock Transfer), Mode (0001 Create), and Previous Step (0010 Goods Receipt). Below this is the 'Select Source Documents' section, which includes a table with columns for Material Doc., MatYr, TE, Ty, Do, Document Date, Posting Date, Entered On, Time of Entry, and Changed On. A second table below it has columns for Material Doc., MatYr, Item, Line ID, Quantity, BUn, Open Quantity, Unit, Parent ID, LV, OrLi, MVT, A, and Material. The 'Open Quantity' field in the second table is highlighted with a yellow box, showing a value of 100 KG. An 'Execute' button is located at the bottom of the interface.

Material Doc.	MatYr	TE	Ty	Do	Document Date	Posting Date	Entered On	Time of Entry	Changed On
5000036484	2018								

Material Doc.	MatYr	Item	Line ID	Quantity	BUn	Open Quantity	Unit	Parent ID	LV	OrLi	MVT	A	Material
5000036484	2018	1	1	100	KG	100	KG				101		CCSM0000000000000001

Stock Transfer utilizing Trading Execution Workbench

Negative check

- ❑ Check whether 50 KG may be transferred is negative
- ❑ Reasons:
 - ❑ the quantity of sales-side Trading Contract 1 (60 KG) may not get transferred due to generated follow-on document 'Sales Order'
 - ❑ Quantity of sales-side Trading Contract 2 is about 40 KG only

The screenshot displays the SAP Stock Transfer Workbench interface. At the top, the title bar reads "Transfer Posting Other - Frank Tycner". Below the title bar, there are navigation options: "Show Overview" and "More".

The main area contains two columns of data for the transfer. Both columns show the same material: "Testmaterial:CCSM00000000000001". The left column specifies the source plant as "Werks Walldorf T001W" and storage location as "Lager 0001". The right column specifies the target plant as "Werk 0003" and storage location as "Lager 0001".

At the bottom left, there is a field for "Qty in UnE:" with the value "50" and the unit "KG".

A "Performance Assistant" window is open in the center, displaying an error message: "Only 40,000 KG can be transferred to a different plant. 60,000 KG is associated." Below the message, it says "Message no. WB2B562".

At the bottom right, there are buttons for "Post", "Cancel", "Restart", and "Check".

Stock Transfer utilizing Trading Execution Workbench

Positive check

< **SAP** Transfer Posting Other - Frank Tycner

Show Overview More ▾ Find Exit

Material:

Plant:
Stor. Loc.:

Spec.Stock:

Werk 0003
Lager 0001

Qty in UnE:

Document is O.K. [View details](#)

Stock Transfer utilizing Trading Execution Workbench

Trading Execution Workbench

Refresh Data TEW Settings Fullscreen Display of Source Doc. D... Display Error Log More ▾

Document Flow

- Trading Contract 973
 - Trading Contract (Purchasing Side) 4500191961
 - Goods Receipt 5000036484
 - Stock Transfer 4900337046**
 - Accounting Document 4900160737
 - Accounting Document 5000021362
 - Association
 - Trading Contract (Sales Side) 205214

Task

Selection Intervals for Outbound Documents

Select Source Documents

Material Doc.	MatYr	TE...	Ty...	Do...	Document Date	Posting Date	Entered On	Time of Entry	Changed On	User
5000036484	2018	WE	WE	PR	25.10.2018	25.10.2018	25.10.2018	13:56:02		TYC

Material Doc.	MatYr	Item	Line ID	Quantity BUn	Open Quantity Unit	Parent ID
5000036484	2018	1	1	100 KG	60 KG	

Execute

- Results:
- Process step 'Stock Transfer' has been processed by TEW and gets displayed in document flow with the corresponding accounting document
- Field 'Open Quantity' decreases accordingly by the value of the stock transfer
- Still possible: Stock transfer of 60 KG to another storage location within plant 0001

Subsequent association of Trading Contract 2 & further processing 'til process end

SAP Change Trading Contract (Sales Side) 975

Trading Contract: 975 Trading Contract (Sales Side)

Sold-To Party: CCSC000009 Test customer: CCS / Neurottstrasse 16 / D-69190 Walldorf

Person Responsible: []

Document Date: 25.10.2018

Translation Date: 25.10.2018

Net Value: 800,00 EUR / 1,00000 M

External Identifier: PLANT TO PLANT

Item Overview | Quantity Overview | Price Overview | Flexible View | Add-On Overview | Default Data

Trading Contract Items

Item Nu...	Item Category	Material	Plant	Storage Location	Sales Quantity	Sales Unit	Batch	B...	C...	Size/T
10	0002 Stoc...	CCSM00000000000001	Werk 0003	Lager 0001	40	KG				

Leading Document Items

Description Text	Extern. ID BDoc	Assgnd Doc	Item	Open Q...	Compl. Qty	Item Qty	Assoc. Qt...	RecvdQu...	Locked Q...	Assoc. UoM	Material	Item Description	Matl Group	Batch	OpenQty D...	CompQty DU	Item
Trading Contract	PLANT TO PLANT	975	10	0	40	40	0	40	0	KG	CCSM00000000000001	Testmaterial:CCSM00000000000001	01		0	40	

Association Partner Items

Description Text	Description Text	Plant	SLoc	AssExtNo.	Asg. doc. d	Assgnd It.	New Qty	Open Q...	Compl. Qty	Item Qty	Assoc. Qt...	Orig. C...	RecvdQu...	Orig. Qty	Locked Q...	Assoc. UoM	Material	Item Desc	
Goods Receipt	Stock Transfer	0003	0001		49003244692018	1	0	10	10	10	0	0	0	0	0	0	KG	CCSM00000000000001	Testmateri
Goods Receipt	Stock Transfer	0003	0001		49003316602018	1	0	100	100	100	0	0	0	0	0	0	KG	CCSM00000000000001	Testmateri
Goods Receipt	Stock Transfer	0003	0001		49003317322018	1	0	200	200	200	0	0	0	0	0	0	KG	CCSM00000000000001	Testmateri
Goods Receipt	Stock Transfer	0003	0001		49003330752018	1	0	200	200	200	0	0	0	0	0	0	KG	CCSM00000000000001	Testmateri
Goods Receipt	Stock Transfer	0003	0001		49003339602018	1	0	100	100	100	0	0	0	0	0	0	KG	CCSM00000000000001	Testmateri
Goods Receipt	Stock Transfer	0003	0001		49003370462018	1	40	0	40	40	40	40	0	0	0	0	KG	CCSM00000000000001	Testmateri

- Additional description text 'Stock Transfer' in dialog-box „Association Maintenance“
- Display of new plant / storage location

Subsequent association of Trading Contract 2 & further processing 'til process end

The screenshot displays the SAP Trading Execution Workbench interface. On the left, a document flow tree is visible, with the following items listed:

- Document Flow
 - Trading Contract 975
 - Trading Contract (Sales Side) 205217
 - Outbnd Delivery for Deliv. via Warehouse 80090279
 - Billing for Delivery via Warehouse 3000229
 - Accounting Document 100020446
 - Goods Issue 4900337047
 - Accounting Document 4900160738
 - Association
 - Stock Transfer 4900337046

The main area is divided into two sections:

Task

- Group: 0002 Stock Shipment
- TEW Type: 0001 Standard
- Step: 0022 Billing for Delivery via Warehouse
- Mode: 0001 Create
- Previous Step: 0011 Outbnd Delivery for Deliv. via Warehouse

Selection Intervals for Outbound Documents

Selection Step: 0001 Trading Contract

Field	Value	to:	Action
0500 Trading Contract	975		→
0506 Contract Type			→
0589 External Identifier			→
0511 Created By			→
0512 Created On			→
0513 Created At	00:00:00	00:00:00	→

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