

How to View Stock-in-Transit in Accounting and Logistics Transactions

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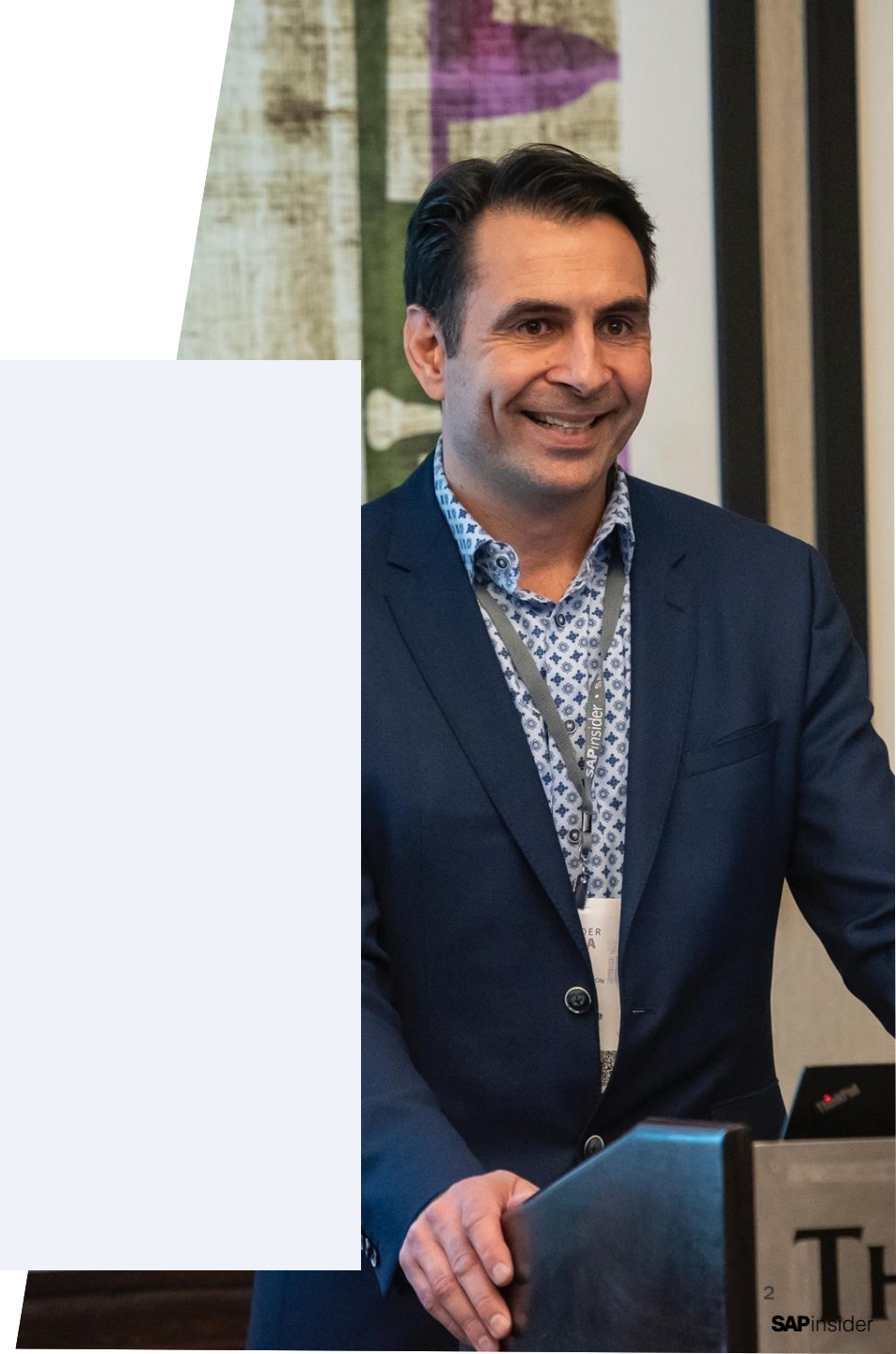
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What We'll Cover

- Overview of Stock-in-Transit in SAP
- Stock-in-Transit Scenarios
- Setting up SIT in Logistics
- Setting up SIT in Accounting
- SIT Accounting Postings
- LOG_MM_SIT and Actual Costing
- LOG_MM_SIT and S/4HANA
- Wrap-Up

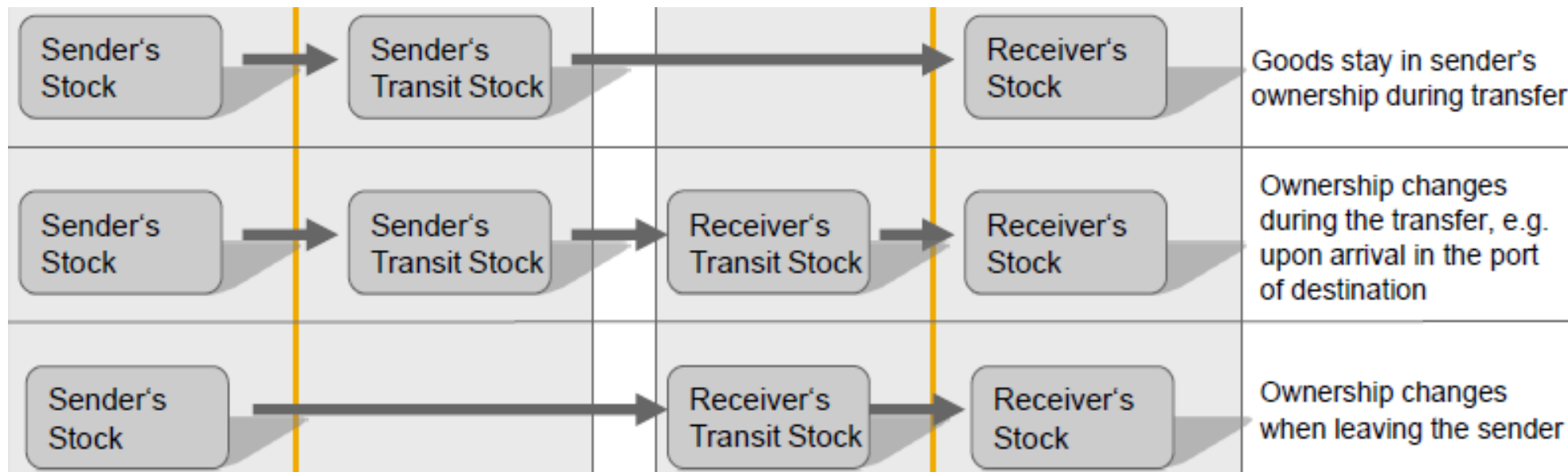


Overview of Stock-in-Transit in SAP



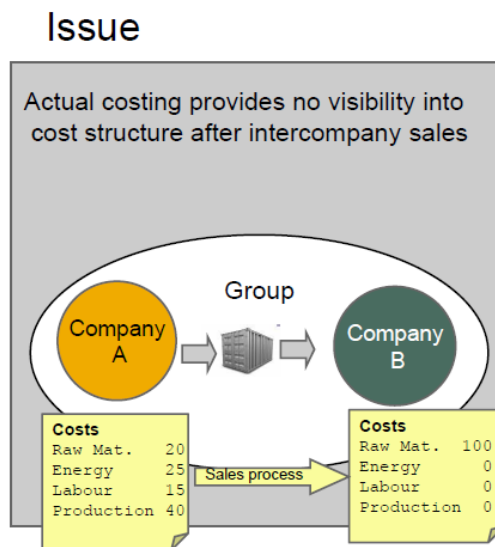
Stock in Transit Overview

- Can be used for Inter-company code or Intra-company code stock transfer process
- Quantity and value of material is retained by the issuing plant from the time it leaves the issuing plant but has not yet reached the receiving plant
- Allows control of goods movements for sales to external customers and for stock transfer between plants belonging to the same or different company codes



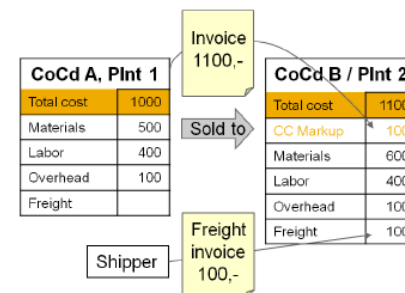
Benefits of Stock-in-Transit

- Visibility of stock in transit sent to a customer or another company
- For Intercompany or Intracompany transactions, there is also visibility in the receiving company code or plant
- Enables Actual Costing across company codes (if Material Ledger Actual Costing is active)
- Transfer of Actual Cost Component Split across Companies (if Material Ledger Actual Costing is active)



Requirement

The enhanced Solution shall keep the cost transparency through intra-company sales and add freight costs and cross-company profits to the costs from the selling company code from a group point of view



Benefits of Stock-in-Transit Cont.

- Functionality Supports:
 - Handling Units
 - Batches
 - Sales Order Assignments
 - Standard or Moving Average price
 - Serial Numbers
 - Costing, Cost Objects and Actual Costing
 - SPED Functionality



Stock-in-Transit Scenarios



Overview of SIT Scenarios

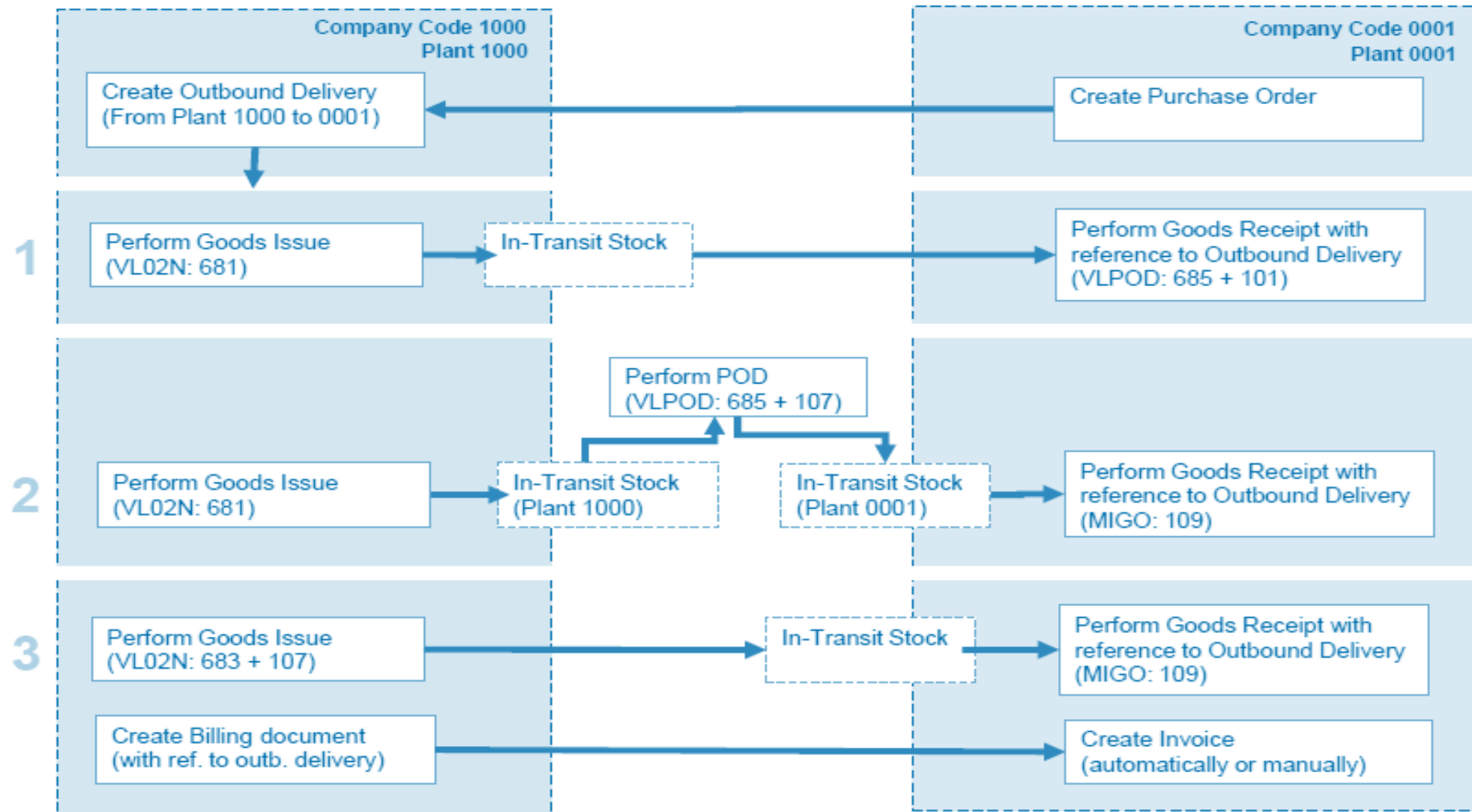
Intercompany Transfers

Intracompany Transfers

External Vendor Transfers

External Customer Transfers

Intercompany Transfers



Issuing SIT From Sending Plant

- This is carried out using Transaction MIGO with Movement 681

Outbound Side (Posting to issuing SIT):

Document Overview for Material Procurement

Document Hierarchy	Doc.	Item	Quantity	Unit	Status
▼ Purchase order	4500006367	10	3 EA	Active	
▼ Delivery	0080001235	10	3 EA	Being processed	
WMS transfer order	0000002539	10	3 EA	Closed	
Goods movement	4900003946	1	3 EA	Closed	

VL02N: Goods Issue with Mvt Type 681

Ownership Transfer (with Transaction VLPOD):

Proof of Delivery - Iss. SIT - Rec. SIT 80001235 Change: Overview

Outbound deliv. 80001235 Document Date 29.03.2019
Ship-to party C000000960 Plant 6000 in C000000960 / Mainstr. 15 / 23558 Hamburg

Overview POD Item Overview Picking Loading Transport Status Overview Goods Movement Data

ActualGoodsMvmtDat 29.03.2019 TotalGdsMvmtStat C Completed
POD Date 00:00 POD status A Relevant

1 Goods Issue Issuing CST
1 Goods Issue Issuing CST to Receiving CST

Item	Material	Deliv. Qty	POD quantity	SU	Reason	QtyDiffInSalesUn	SU	Batch	Qty diff in SKU	BUn	Description
10	MM_SIT01	3	3	EA			EA			EA	Material for SIT

Quantity differences can be maintained here

Proof of Delivery

- This is carried out using Transaction VLPOD

General Doc. info

Document Date: 29.03.2010
Posting Date: 29.03.2010
Delivery Note: 0080001235
Bill of Lading:
Vendor: Plant 7000 in COCode 7000
HeaderText:

1 Individual Slip

Line	Material	Mat. Short Text	Qty in UNt	EUn	SLoc	Plant	G/L Account	Movement type	D	Stock Type	Special Stock	Batch	Purchase order	Item	Vendor
1	MM_SIT01	Material for SIT	3	EA		Plant 7000	893011	635	-	Unrestricted	T		4500006367	10	
2	MM_SIT01	Material for SIT	3	EA		Plant 6000		107	+				4500006367	10	PLANT7000

Material Quantity Where Purchase Order Data Partner Stock Transfer Account Assignment

Movementtype: 635 T - TF fr Iss. Val. CST
Delivery: 00001235 10
Plant: Plant 7000 7000

Stocktype: Unrestricted use

The material is issued from the SIT of the sending plant and received into the SIT of the receiving plant (→ 2 movements!)

Receiving SIT to Receiving Plant

- This is carried out using Transaction MIGO with Movement 109

Inbound Side (receiving SIT to receiving plant / transaction MIGO):

The screenshot shows the SAP MIGO transaction interface for 'Goods Receipt Outbound Delivery 80001235 - Uwe Pfisterer'. The 'General' tab is active, displaying fields for Document Date (29.03.2019), Posting Date (29.03.2019), Delivery Note (9689601235), Vendor (Plant 7000 in COCode 7000), and Bill of Lading. Below these is a table with one line item: 'Material for SIT' with a quantity of 3, unit EA, and stock type 'Unrestricted'. The 'Movement type' is set to 109, and the 'Plant' is Plant 6000.

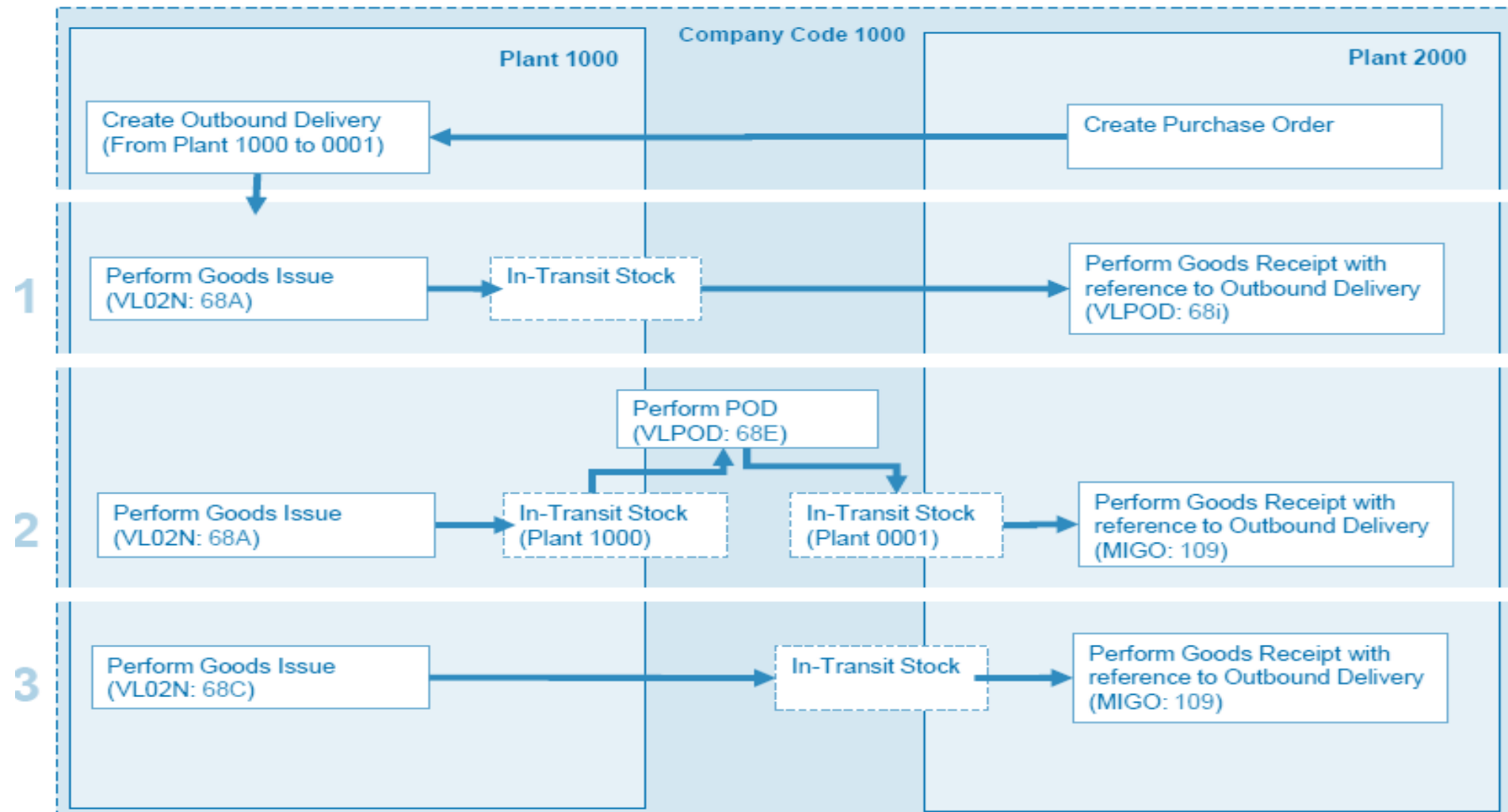
Line	Mat. Short Text	OK	Qty in UnE	E	M	D	Stock Type	Plant	SLoc	Vendor Batch	Batch	Ac
1	Material for SIT	<input checked="" type="checkbox"/>	3				EA 109 + Unrestricted	Plant 6000	Lager 0001			

Document Flow of the scenario:

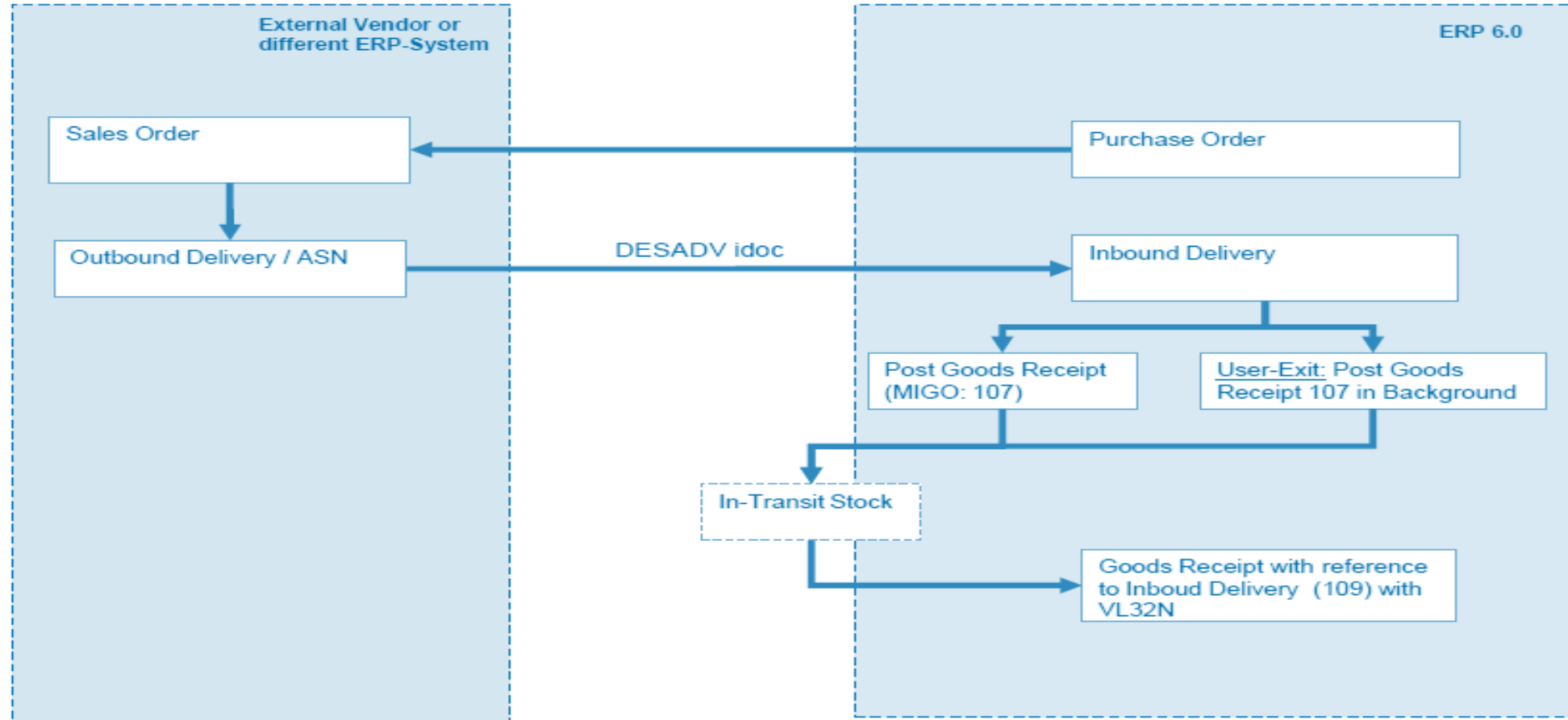
The screenshot shows the 'Document Overview for Material Procurement' table, which details the document hierarchy for the scenario.

Document Hierarchy	Doc	Item	Quantity	Unit	Status
Purchase order	4500006367	10	3	EA	Active
Goods receipt	5000001952	1	3,000		
Delivery	0080001235	10	3	EA	Being proc.
WMS transfer order	0000002539	10	3	EA	Closed
Goods movement	4900003946	1	3	EA	Closed
Goods movement	4900003947	1			
Goods movement	4900003947	2	3	EA	Closed
Goods receipt	5000001952	1	3	EA	Closed
Transfer of Title	4900000518600010				

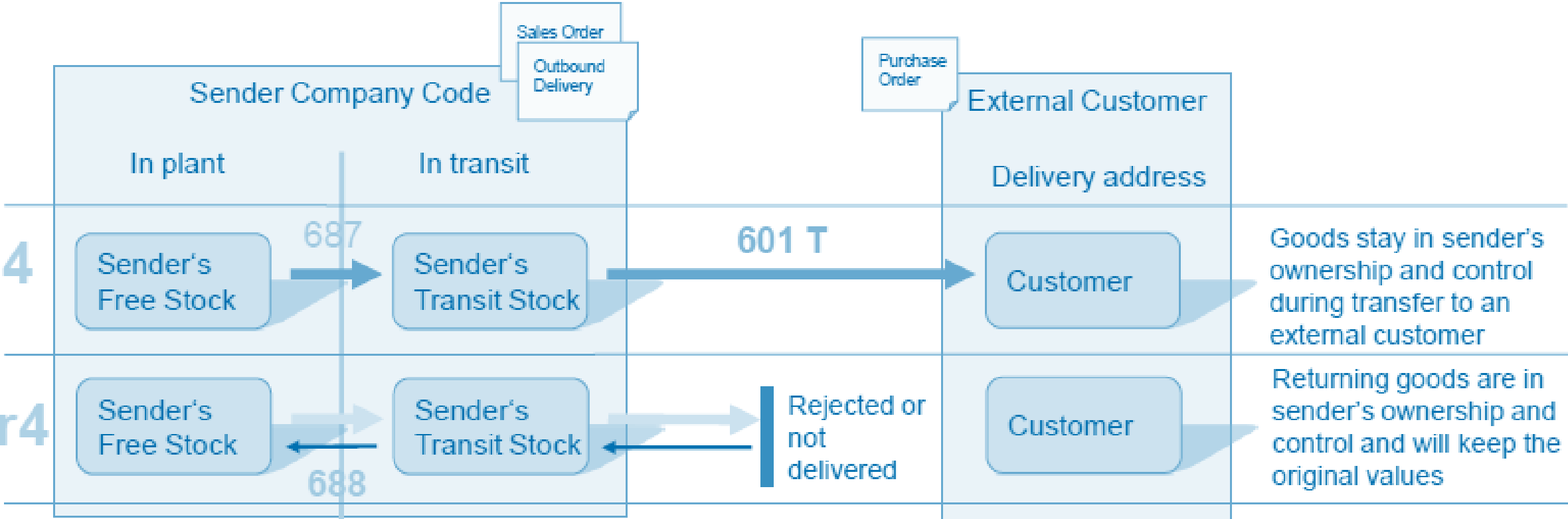
Intracompany Transfers



Vendor Transfer



Customer Transfer



Setting Up SIT in Logostics



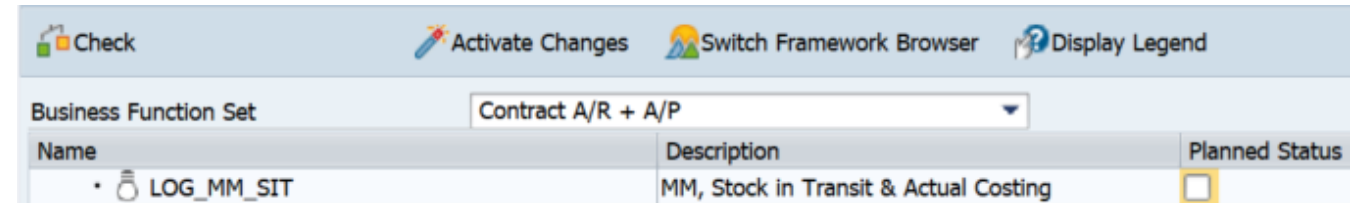
Logistics Configuration

- **Activate Business Function LOG_MM_SIT**
- **Create a new Delivery Type (e.g. NCCU) – Issue SIT Outbound delivery.**
- **Define Delivery item categories (e.g. NCCU)**
- **Assign Delivery Item category to Delivery Type**
- **Create Schedule Line category (e.g. NU)**
- **Assign Delivery Item category to schedule line categories**
- **Create New Sales Order Type (e.g., by copying Order Type OR)**
- **Assign the New Delivery Type to the New Sales Order Type.**

Activate LOG_MM_SIT

- **Activate Business Function LOG_MM_SIT (SFW5)**
 - This is typically done by the Basis Team

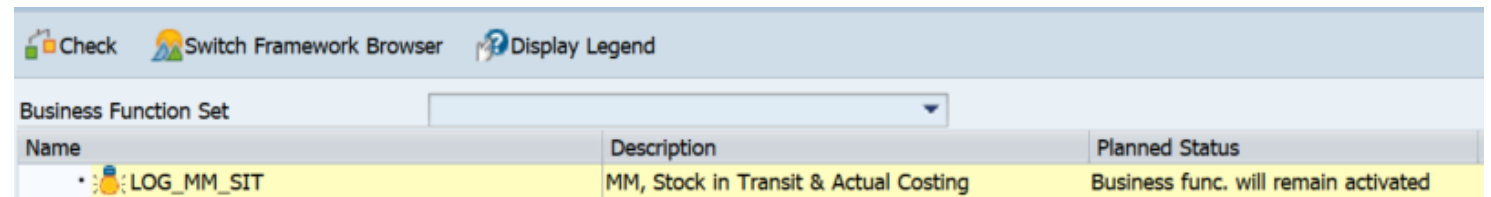
- This Business Function is initially inactive in ECC



The screenshot shows the SAP Business Function Set configuration interface. At the top, there are buttons for 'Check', 'Activate Changes', 'Switch Framework Browser', and 'Display Legend'. Below these, a dropdown menu for 'Business Function Set' is set to 'Contract A/R + A/P'. A table lists the business functions, with 'LOG_MM_SIT' highlighted. The 'Planned Status' column for 'LOG_MM_SIT' shows an inactive icon (a circle with a diagonal line) and an empty checkbox.

Name	Description	Planned Status
• LOG_MM_SIT	MM, Stock in Transit & Actual Costing	<input type="checkbox"/>

- Once Activated it cannot be undone




The screenshot shows the same SAP Business Function Set configuration interface after activation. The 'Business Function Set' dropdown is now empty. The table lists the business functions, with 'LOG_MM_SIT' highlighted. The 'Planned Status' column for 'LOG_MM_SIT' now shows an active icon (a circle with a dot) and the text 'Business func. will remain activated'.

Name	Description	Planned Status
• LOG_MM_SIT	MM, Stock in Transit & Actual Costing	Business func. will remain activated

Create Delivery Type

- Create Delivery Type (OVLK)
 - The delivery Type is the connection between the Sales/Purchase Order Type and the Schedule Line Category (which contains the Sit Movement Types)

Change View "Delivery Types": Details

New Entries 

Delivery Type Iss. SIT - Outb.Del.

Document Cat. Delivery

Number Systems

Number Range for Internal Number Assignment	<input type="text" value="17"/>	Item Number Increment	<input type="text" value="10"/>
Number Range for External Number Assignment	<input type="text" value="18"/>		

Order Reference

Order Required

Default Ord.Ty. Order Type Sched Order w.indep.item

Document Content

Storage Location Rule	<input type="text" value="MALA"/>	OutputDet.Proc.	<input type="text" value="V10000"/>
Text Determination Procedure	<input type="text" value="02"/>	Output Type	<input type="text" value="LD00"/>
Doc.stats.group	<input type="text" value=""/>	Application	<input type="text" value="V2"/>
Route Determination	<input type="text" value="New route determination with check"/>		
<input type="checkbox"/> Delivery Split by Warehouse Number	Partner Determination Procedure		<input type="text" value="LF"/>
<input type="checkbox"/> Delivery Split Partners	Rescheduling		<input type="text" value=""/>
<input type="checkbox"/> Autom. packing	Distrbtn Mode		<input type="text" value="Distribution Control By Wareh.."/>
<input type="checkbox"/> Generation of Delivery Items for HU Packaging Materials			

Create Delivery Item Category

- Create Delivery Item Category (OVLP)

Change View "Delivery Item Categories": Details

New Entries

Item Category

NCCU

Iss. SIT - Outb.Del.

Document Category

J

Delivery

Material/Statistics

☒Material Quantity 0

ItemCat. Stat. Group

Stock Determination Rule

Quantity

Quantity 0

A

Display warning message

Do Not Check Availability

Minimum Quantity

A

Display warning message

Rounding

Overdelivery

Warehouse Control and Packing

☒Relevant for Picking

Packing Control

☒Storage Location Required

☐Pack acc. batch itms

☒Determine Storage Location

☐Do Not Check Storage Location

☐Do Not Check Batch

☐Automatic Batch Determination

Transaction Flow

Text Determination Procedure

02

Standard Text

- Maintain POD Relevance

Change View "Maintain POD Relevance": Overview

New Entries

Maintain POD Relevance				
Item...	Description	POD-relevant	POD automatic	Description
NCCU	Iss. SIT - Outb.Del.	X		Not Relevant

- Assign Delivery Type to Delivery Item Category (0184)

Change View "Delivery item category determination": Overview

New Entries

Delivery item category determination															
DlvT	ItCG	Usge	ItmC	MitC	MitC	MitC	MitC	MitC	MitC	MitC	MitC	MitC	MitC	MitC	MitCa
NCCU	NORM			NCCU											
NCCU	NORM	CHSP		NCCU											

Define Schedule Line Category

- Define Schedule Item category (VOV6)
 - This contains the movement type that is used in the SIT delivery.

Change View "Maintain Schedule Line Categories": Details

New Entries

Sched.line cat.

NU

Iss.CST - Delivery

Business data

Delivery Block

Movement type

687

Movement Type 1-Step

Order Type

Item category

Acct Assgmt Cat

Update Sched. Lines

MvT Iss. Val. SIT

601

Spec.Iss. Val. SIT

3

GMDel to Iss Val SIT

No Update

GMDel fr.Iss.Val.SiT

SO-Related GI from Issuing Valuated Stock in Transit

☒ Item rel.f.dlv.

☐ P.req.del.sched

☐ Ext.capa. planning

☐ Upd. Sched

Transaction flow

Incompl.Proced.

☒ Req./Assembly

☒ Availability

☐ Prod.allocation

- Assign Schedule Item category (VOV5)

Change View "Assign Schedule Line Categories": Overview

New Entries

ItCa	Typ	SchLC	MSLCa	MSLCa	MSLCa	
NCCU		NU				

Create Sales Document Type

- Create Sales Document Type (VOV8)
 - This example assumes a delivery to an external customer. For Inbound deliveries or Inter/Intracompany Transfers, a custom Purchase Order Type should be defined
- Assign New Item Category to Sales Document Type (VOV4)

Change View "Maintain Sales Order Types": Details

New Entries

Sales Document Type	ZOY	Standard order SIT	Sales Document Block	<input type="checkbox"/>
SD Document Category	C			
Indicator	F			

Number systems

No. Range Int. Asst	01	Item No. Increment	10
No. Range Ext. Asst	02	Subitem Increment	1000

General control

Reference mandatory	<input type="checkbox"/>	Material entry type	<input type="checkbox"/>
Check division	2	<input checked="" type="checkbox"/> Item division	
Probability	0	<input type="checkbox"/> Read info record	
Check credit limit	<input type="checkbox"/>	Check Customer Ref	A
Credit group		<input checked="" type="checkbox"/> Enter PO number	
Output application	V1	Commitment date	<input type="checkbox"/>
		<input type="checkbox"/> Disp. Preceding Docs	

Transaction flow

Screen sequence grp.	AU	Sales Order	Display Range	UHAU
Incompl. Proced.	42	Repair request	FCode for overv.scr.	UER1
Transaction group	0	Sales Order	Quotation Messages	<input type="checkbox"/>
Doc. Pricing Proc.	R		Outline Agrmt Mess.	<input type="checkbox"/>

Change View "Assign Item Categories": Details

New Entries

Sales Doc. Type	ZOY
Item Cat. Group	NORM
Item Usage	
ItemCat-HgLvItm	
Item Category	NCCU
Manual ItemCat.	TAN
Manual ItemCat.	TANN
Manual ItemCat.	TAN

Setting Up SIT in Accounting



Accounting Configuration

- **Define Valuation Class for Stock-in-Transit**
- **Assign Valuation Class to Accounting Reference.**
- **Create G/L Accounts for Stock-in-Transit**
- **Assign SIT Accounts to Inventory and COGS Account determination**
- **Assign SIT Valuation Class to Material Master**

Define Valuation Class for SIT

- Define Valuation Class (OMSK)
 - Create an SIT Valuation Class for all relevant material types and assign to appropriate Accounting reference

Change View "Valuation Classes": Overview of Selected Set

Valuation Classes				
ValCl	ARef	Description	Description	
Z920	0009	Finished Goods SIT	Ref. for finished products	

- Account Category References for Material Types

Change View "Account Category Reference": Overview

New Entries

Account Category Reference	
ARef	Description
0001	Reference for raw materials
0002	Ref. for operating supplies
0003	Ref. for spare parts
0004	Ref. f. Returnable Pack. mat.
0005	Reference for trading goods
0006	Reference for services
0007	Ref. for nonvaluated materials
0008	Ref. for semifinished products
0009	Ref. for finished products
0010	Ref. for non-stock materials
0011	RASP - Raw Material Acct Catg.
AR01	Account Cat. Ref 01

Create SIT G/L Accounts

- Go to transaction FS00 to create SIT G/L Accounts for Inventory and COGS (if needed).

Create G/L Account Centrally

Edit financial statement version Edit set Time-Dependent Attributes

G/L Account 13499999
Company Code 1710 Company Code 1710

Type/Description Control Data Create/bank/interest Key word/translation Information (C/A) Information (CoCd)

Control in Chart of Accounts YCOA Standard Chart of Accounts

G/L Account Type Balance Sheet Account
Account Group Materials management accounts

Detailed Control for P&L Statement Accounts

P&L statmt acct type
Functional Area

Description

Short Text Inventory FG SIT
G/L Acct Long Text Inventory - Finished Goods - Stock-in-Transit

Create G/L Account Centrally

Edit financial statement version Edit set Time-Dependent Attributes

G/L Account 50299999
Company Code 1710 Company Code 1710

Type/Description Control Data Create/bank/interest Key word/translation Information (C/A) Information (CoCd)

Control in Chart of Accounts YCOA Standard Chart of Accounts

G/L Account Type Nonoperating Expense or Income
Account Group Income statement accounts

Detailed Control for P&L Statement Accounts

P&L statmt acct type X Retained Earnings
Functional Area YB18 Cost of Goods Sold

Description

Short Text COGS SIT
G/L Acct Long Text Cost of Goods Sold - Stock-in-Transit

Configure SIT G/L Accounts

- Go to transaction OBYC and configure Accounts for Inventory and COGS using the new Valuation Class that was set up for SIT

Configuration Accounting Maintain : Automatic Posts - Accounts

◀ ▶ 📄 🗑️ 🔄 Posting Key Rules

Chart of Accounts Standard Chart of Accounts
Transaction Inventory posting

Account assignment

Valuation modif.	Valuation class	Account
0001	Z920	13499999

Configuration Accounting Maintain : Automatic Posts - Accounts

◀ ▶ 📄 🗑️ 🔄 Posting Key 🏔️ Procedures Rules

Chart of Accounts Standard Chart of Accounts
Transaction Offsetting entry for inventory posting

Account assignment

Valuation modif.	General modifi...	Valuation class	Debit	Credit
0001	VAX	Z920	50299999	50299999

Assign Valuation Class to Material Master

- Go to transaction MM02 and assign the SIT Valuation Class to the “VC: Sale Ord Stk” field in the Accounting 1 view

Change Material FG233 (Finished Product)

Additional Data Org. Levels Check Screen Data Lock

Plant data / stor. 2 **Accounting 1** Accounting 2 Costing 1 Costing 2 Plant stock Stor. loc. stck

Material: FG233
Descr.: FERT 233, PD, Repetitive Manuf.
Plant: 1710 Plant 1 US

Period 012/2020 Period 011/2020 Period 012/2019 Future costing run Current costing run Prev. cstng run

General Valuation Data

Total Stock	0	Base Unit	PC Piece
Division	00	Valuation Cat.	
Valuation Class	7920	<input type="checkbox"/> Valuated UoM	
VC: Sale Ord. Stk	7920	<input checked="" type="checkbox"/> ML Act.	Mat. Price Analysis
Project Stock VC		Price Determin.	3 Single-/Multilevel

Examples of SIT Accounting Postings



Intercompany Transfer

- Stock Transfer Goods Issue (MvT 681) – Company A

Account	Description	Debit	Credit
13400000	Inventory - Finished Goods		10,000
13499999	Inventory Finished Goods SIT	10,000	

- Proof of delivery (VLPD: MvT 685 + 101) – Company B

Account	Description	Debit	Credit
13499999	Inventory Finished Goods SIT		10,000
13400000	Inventory - Finished Goods	10,000	

- Proof of delivery is only posted when Company B confirms Receipt of product

Intracompany Transfer

- Stock Transfer Goods Issue (MvT 68A) – Plant A

Account	Description	Debit	Credit
13400000	Inventory - Finished Goods		10,000
13499999	Inventory Finished Goods SIT	10,000	

- Proof of delivery (VLPD: MvT 68i) – Plant B

Account	Description	Debit	Credit
13499999	Inventory Finished Goods SIT		10,000
13400000	Inventory - Finished Goods	10,000	

- Proof of delivery is only posted when Plant B confirms Receipt of product

Receipt From Vendor

- Goods Receipt (MvT 107)

Account	Description	Debit	Credit
21120000	GR/IR Account		10,000
13499999	Inventory Finished Goods SIT	10,000	

- Goods Receipt with Inbound Delivery (MvT 109)

Account	Description	Debit	Credit
13499999	Inventory Finished Goods SIT		10,000
13400000	Inventory - Finished Goods	10,000	

- Proof of delivery is only posted when Plant confirms receipt of product

Goods Issued to Customer

- Goods Issue (MvT 687)

Account	Description	Debit	Credit
13400000	Inventory - Finished Goods		10,000
13499999	Inventory Finished Goods SIT	10,000	

- Proof of Delivery (VLP0D: MvT 601T)

Account	Description	Debit	Credit
13499999	Inventory Finished Goods SIT		10,000
50200000	Cost of Goods Sold	10,000	

- Proof of delivery is only posted when customer confirms receipt of product

LOG_MM_SIT and Actual Costing



Global Supply Chain

- **Scenario**
- Two legally independent companies A and B supply each other with goods. B sells the material or processes them further.
- A and B belong to the same group
- A and B are modeled as company codes in the group's ERP system in the same client
- The time to ship the goods from A to B is not negligible
- **Issues**
- Missing transparency on goods in transit:
- Values vanish during transit times
- Quantities are not accessible for planning purposes
- System representation does not reflect reality
- Values in reversals do not equal original values
- Cost flow is broken at company code borders
- No group view on actual costs
- No transparency on intercompany profits
- No group-wide profitability view

Material ledger and LOG_MM_SIT

- Using LOG_MM_SIT, inventory values are always recorded and tracked, in Material Ledger
 - Transfer price or the PO price is used for the legal valuation, the sending company's legal standard cost is used for calculating the markup. The difference between the two is recorded as Delta Profit or Inter-Company Profit.
 - For this to occur, Currency Valuation profile (transaction 8KEM) with Group Valuation will need to be enabled
- **Delta Profit equals Transfer Price minus Senders Cost**

Cross Company Cost Components

- When Material Ledger's Actual Costing is Activated along with LOG_MM_SIT, actual cost components can be transferred across company codes
- The Legal View will show a rollup in the buying Company Code, while the Group View will show the selling company's Cost Component breakout in the buying company
- Delta Cost Component is shown in the buying company

Selling Company			Legal Buying Company			Group Buying Company	
Materials	400		Materials	1100		Materials	400
Labor	300		Labor			Labor	300
Overhead	250	10% Markup	Overhead			Overhead	250
Freight	50		Freight			Freight	50
Delta CCS	0		Delta CCS	100		Delta CCS	0
Total Cost	1000		Total Cost	1100		Total Cost	1000

Actual Costing Cost Components

- When Actual Costing has been calculated the change in Cost in the Selling Company's cost component is reflected in the buying Company
- In Legal Valuation this change in cost is reflected in the Delta Cost Component Split
- In Group Valuation the change in cost is reflective in the respective cost component in the buying company

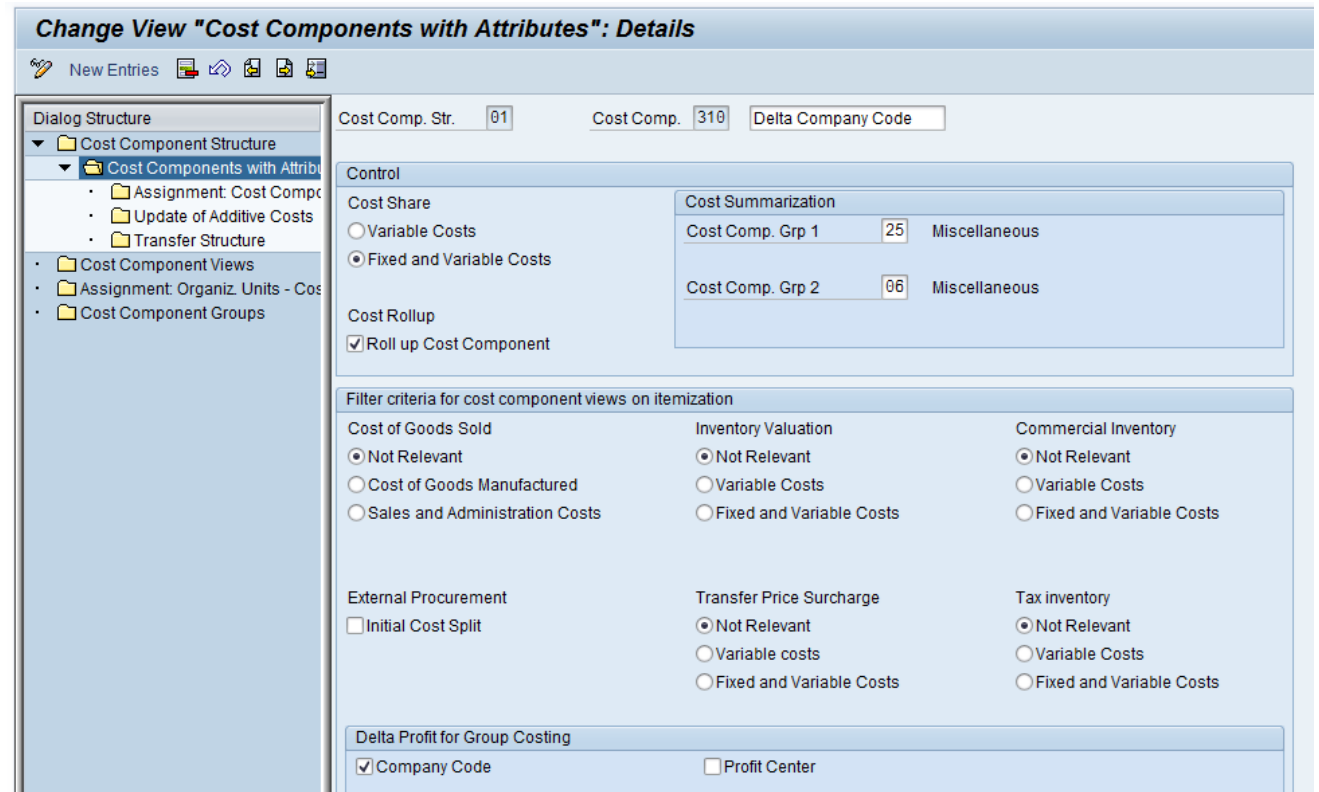
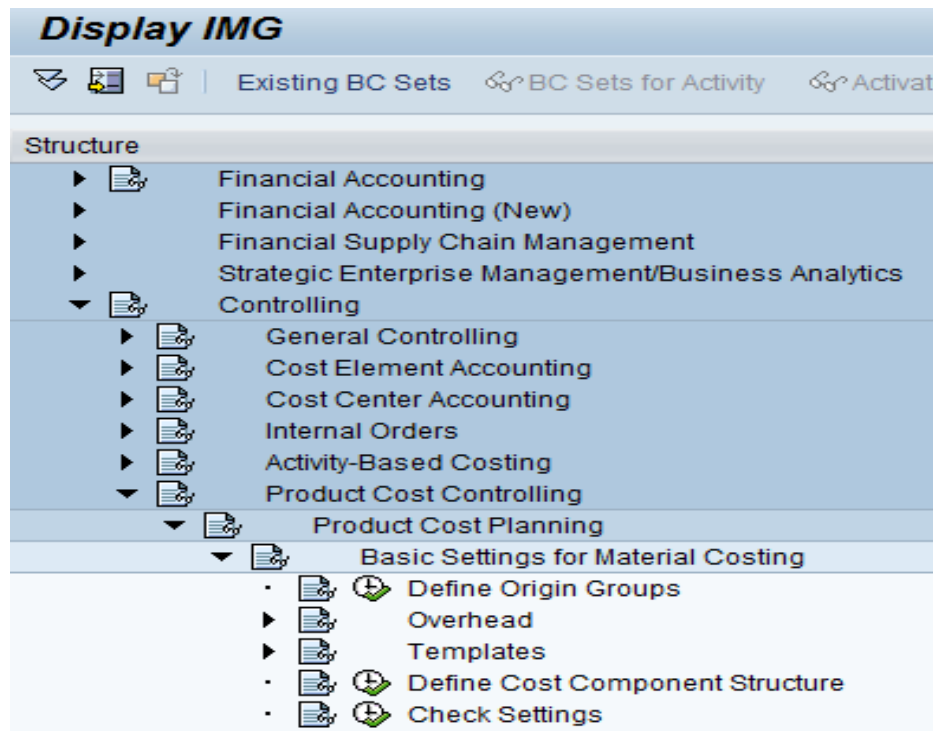
Selling Company			Legal Buying Company			Group Buying Company	
Materials	400		Materials	1100		Materials	400
Labor	310		Labor			Labor	310
Overhead	260	▲	Overhead			Overhead	260
Freight	50	▲	Freight			Freight	50
Delta CCS	0		Delta CCS	80		Delta CCS	0
Total Cost	1020		Total Cost	1100		Total Cost	1020

10%
Markup

- Cross-Company Sales Process is a multilevel process. Actual costs will be transmitted at the following events:
 - Goods issue/Goods receipt
 - Invoice receipt (via EDI)
 - Period-end closing

Delta Cost Component Split

- Delta Cost Component Split is set up in transaction OKTZ
- It should be set up as “Not Relevant” for Inventory Valuation and COGS
- The “Company Code” checkbox in the “Delta for Group Costing” should be checked



Cost Comp. Str. 01 Cost Comp. 310 Delta Company Code

Control

Cost Share

☐ Variable Costs

☒ Fixed and Variable Costs

Cost Summarization

Cost Comp. Grp 1 25 Miscellaneous

Cost Comp. Grp 2 06 Miscellaneous

Cost Rollup

☒ Roll up Cost Component

Filter criteria for cost component views on itemization

Cost of Goods Sold	Inventory Valuation	Commercial Inventory
<input checked="" type="radio"/> Not Relevant	<input checked="" type="radio"/> Not Relevant	<input checked="" type="radio"/> Not Relevant
<input type="radio"/> Cost of Goods Manufactured	<input type="radio"/> Variable Costs	<input type="radio"/> Variable Costs
<input type="radio"/> Sales and Administration Costs	<input type="radio"/> Fixed and Variable Costs	<input type="radio"/> Fixed and Variable Costs

External Procurement

☐ Initial Cost Split

Transfer Price Surcharge

☒ Not Relevant

☐ Variable costs

☐ Fixed and Variable Costs

Tax inventory

☒ Not Relevant

☐ Variable Costs

☐ Fixed and Variable Costs

Delta Profit for Group Costing

☒ Company Code

☐ Profit Center

Legal & Transparent Legal View

Legal View: Materials purchased from affiliate company codes will populate the material cost component and markup

- Total Cost from PO
- Inter-Company Profit is displayed
- Cost Component is collapsed

Transparent Legal View: Preserves the cost component information of affiliate company codes along with the markup information

- Total Cost from PO
- Inter-Company Profit is displayed
- Cost Component from Sender
- Material cost includes markup

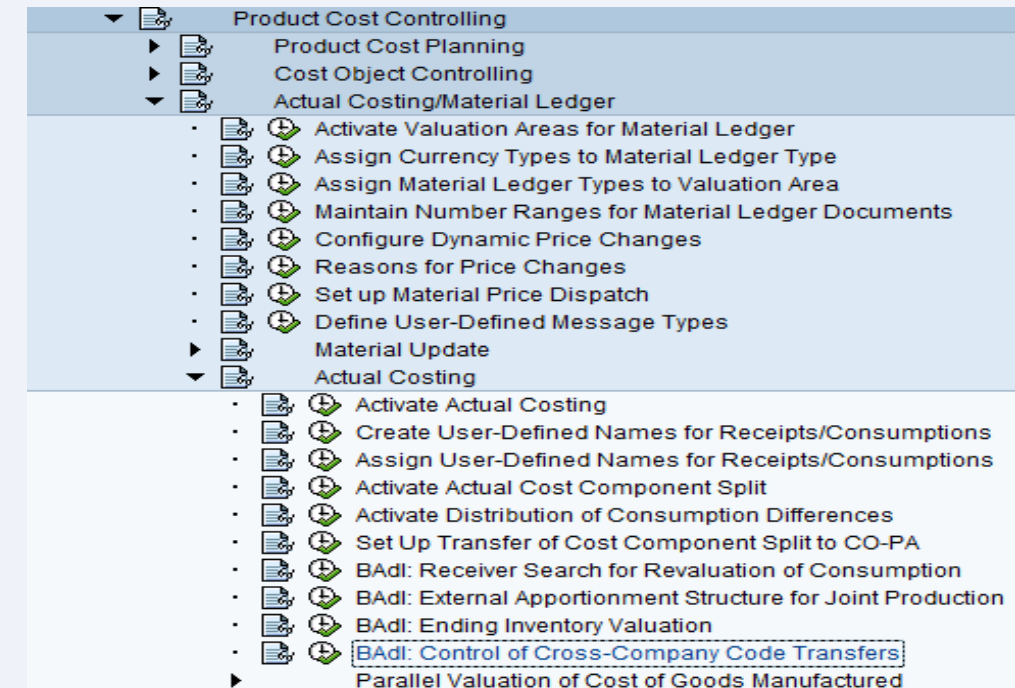
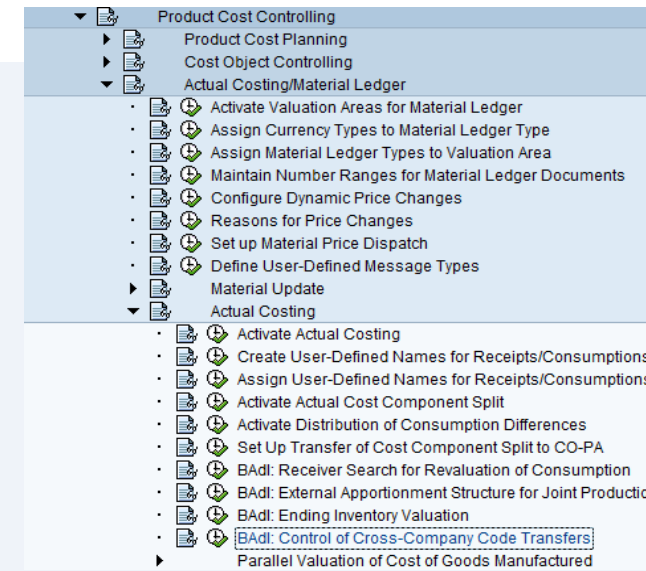
Legal Transparent View

- The Below diagram shows the comparison between the Legal View, the legal Transparent View and the Group View

Selling Company		Legal		Legal (Transparent)*		Group	
Selling Company		Buying Company		Buying Company		Buying Company	
Materials	400	Materials	1100	Materials	500	Materials	400
Labor	300	Labor		Labor	300	Labor	300
Overhead	250	Overhead		Overhead	250	Overhead	250
Freight	50	Freight		Freight	50	Freight	50
I/Co Markup	0	I/Co Markup	100	I/Co Markup	100	I/Co Markup	0
Total Cost		Total Cost	1100	Total Cost	1100	Total Cost	1000

Other BADIs for Cross Company Transfers

- **ROLLUP_COST_COMP_SPLIT**
- Using this method you can control that the cost component split is also transferred cross-company code in the legal view
- **REVAL_MARKUP_AT_ACTUAL_COSTS**
- Using this method you can control that the intercompany profit is calculated on the plan costs of the sender and not using the actual costs
- **DISPLAY_COST_COMPONENTS**
- Using this method you can control in *Material Price Analysis* (CKM3) that all cost components not relevant to inventory valuation are displayed (and not just the cost component for the intercompany profit)
- **GET_MARKUP_COMPONENT**
- Using this method you can control that the intercompany profit is assigned to any cost component not relevant to inventory
- **MODIFY_MARKUP**
- With this method, you can calculate the intercompany profit in accordance with a separate algorithm



Invoice treatment in specific scenarios

Invoices for delivery costs

- Delivery costs such as freight or duties can be manually entered with MIRO. They may come from the selling company or a 3rd party service provider. When the invoice refers to planned delivery costs with a specific condition type in the price conditions, it can be defined in account determination and can be assigned to a designated cost component

Invoice for sent materials

- For the legal view an invoice is necessary to process the transaction and create a accounts payable at the receiver. If a parallel group valuation is active the invoice has to be ignored, because the price and the cost components have already been captured during goods receipt
- For technical reasons the cross-company invoice for the sent material cannot be manually entered in MIRO but has to be processed as an IDOC with EDI connection. This makes sure that both the sales price (in legal view) and the transfer price in group view are processed

Trading Partner for Vendor Master

- In the “Control” tab of the vendor master the receiving company code has to be maintained in order to mark the vendor as a vendor from the same group. The field is also used for legal consolidation



Display Vendor: Control

Vendor: 4444 London Supplying Plant

Account control

Customer	1186	Authorization	
Trading partner	2000	Group key	

**Company Code of
receiving plant**

Configuration and Master Data Setup

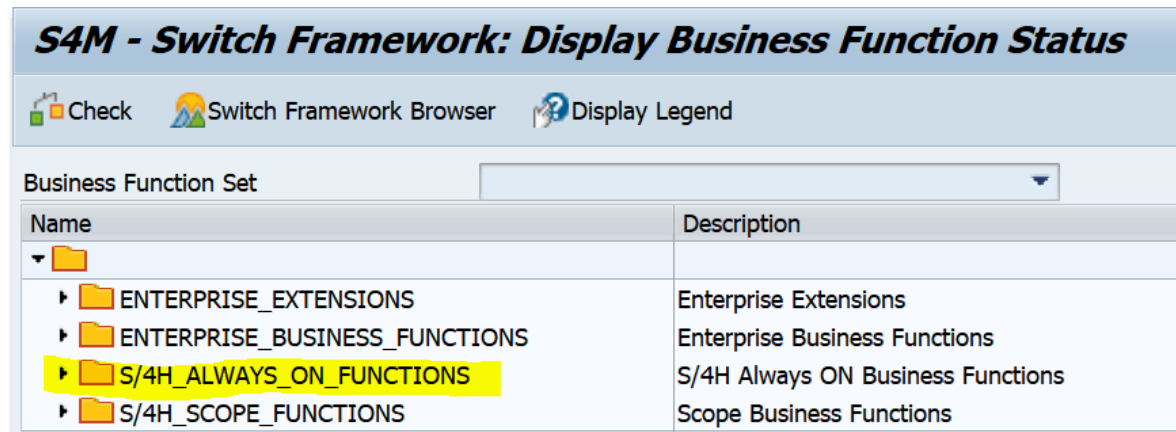
Activity	Transaction Code(s)
Activate Business Functions EA-FIN and LOG_MM_SIT	SFW5
Use BAdI to activate the Transparent Legal View: CKML_CROSS_COMPANY; Method: ROLLUP_COST_COMP_SPLIT	SE19
Configure Group Currency for all company codes	OB22
Activate Valuation Areas for material ledger	OMX1
Assign Currency Types to Material Ledger Type	OMX2
Assign Material Ledger Types to Valuation Area	OMX3
Create the Delta Cost Component Split	OKTZ
Set up Automatic Account determination for New Movement Types	OMJJ, OMWN, OMWD, OMSK, OBYC
Check Account Assignments for Intercompany Invoice	OBCB, OBCC, OBCD, OBCE
Assign Customer number and trading Partner to intercompany vendors	XK02
Assign Vendor number and trading Partner to intercompany customers	XD02


LOG_MM_SIT and S/4HANA



LOG_MM_SIT in S/4HANA




- In S/4HANA the Business Function LOG_MM_SIT is automatically activated
- It is available in the S/4H_ALWAYS_ON_FUNCTIONS set



	Name	Description	Planned Status
<input type="checkbox"/>	 LOG_MM_SIT	MM, Stock in Transit & Actual Costing	Business func. will remain activated

LOG_MM_SIT in S/4HANA

Material Ledger is mandatory in S/4HANA

<i>Change View "Activation of Material Ledger": Overview</i>						
						
	Valuation Area	Company Code	Mat....	Status	ML Act.	Price Deter.
	1710	1710	0001			2

However, all the configuration steps mentioned in this session would still need to be configured to take full advantage of LOG_MM_SIT functionality

Wrap Up



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Where to Find More Information

- <https://www.erpfixers.com/blog-series>
- ERPfixers Resources Page - Various blogs and articles on SAP S/4HANA and other topics
- <https://www.erpfixers.com/ask-a-fixer-webcast>
- ERPfixers Webcast Page – Monthly Webcasts on various SAP topics including Universal Allocation

Key Points to Take Home

- Valuated Stock-in-Transit functionality allows control of goods movements for internal and external inventory transfers.
- It also allows Transfer of Actual Cost Component Split across Companies (if Material Ledger Actual Costing is active)
- Proof of Delivery is carried out using transaction VLPOD.
- There is Logistics and Accounting configuration needed in order to set up the functionality for Valuated Stock-in-Transit.
- In S/4HANA the Business Function LOG_MM_SIT is automatically activated



Thank you! Any Questions?

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Please remember to
complete your session
evaluation.

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