

Business Central Introduction III Transfers

(Used ERP=Microsoft Dynamics 365 Business Central)

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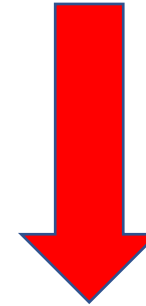
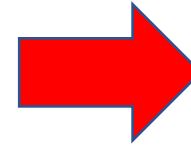
Department of corporate economy

Inventory locations and bins

Location



Code ↑	Name
BLUE	Blue Warehouse
GREEN	Green Warehouse
OUT. LOG.	Outsourced Logistics
OWN LOG.	Own Logistics
RED	Red Warehouse
SILVER	Silver Warehouse
WHITE	White Warehouse
YELLOW	Yellow Warehouse



Inventory zones

Bins

Process Location Related Fewer options

Location ▾

Resource Locations /HITE Use As In-Transit

Zones White Warehouse

Bins

Address & Contact Show more

Address	Contact
Address Merrily Grove Avenue 6, 2	Contact <input type="text"/>
Address 2 <input type="text"/>	Phone No. +44-(0)50 4567 9771
Post Code WC1 2GS	Email <input type="text"/>
City West End Lane	Home Page <input type="text"/>
Country/Region Code GB	

See bins on the next slides

Locations I – stock (part of inventory management)

Search New Manage Process Report Navigate Open in Excel

Code ↑	Name
BLUE	Blue Warehouse
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OWN LOG.	Own Logistics
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YELLOW	Yellow Warehouse

General

Code Use As In-Transit

Name

Address & Contact Show more

Address	Contact
Address <input type="text" value="South East Street, 3"/>	Contact <input type="text" value="Jeff Smith"/>
Address 2 <input type="text"/>	Phone No. <input type="text" value="+44-(0)20 8207 4533"/>
Post Code <input type="text" value="B27 4KT"/>	Email <input type="text"/>
City <input type="text" value="Birmingham"/>	Home Page <input type="text"/>
Country/Region Code .. <input type="text" value="GB"/>	

[Show on Map](#)

Locations II –setup for locations Blue or Red

Warehouse

Require Receive	<input checked="" type="checkbox"/>	Default Bin Selection . . .	<input type="text"/>
Require Shipment	<input checked="" type="checkbox"/>	Outbound Whse. Han... .	<input type="text"/>
Require Put-away	<input checked="" type="checkbox"/>	Inbound Whse. Handl... .	<input type="text"/>
Use Put-away Worksh... .	<input type="checkbox"/>	Base Calendar Code	<input type="text"/>
Require Pick	<input checked="" type="checkbox"/>	Customized Calendar . . .	No
Bin Mandatory	<input checked="" type="checkbox"/>	Use Cross-Docking	<input type="checkbox"/>
Directed Put-away an... .	<input type="checkbox"/>	Cross-Dock Due Date... .	<input type="text"/>
Use ADCS	<input type="checkbox"/>		

Locations III – setup for location White (Advanced Warehouse Management) – It will be discussed in detail in the winter term

Warehouse	
Require Receive	<input type="checkbox"/>
Require Shipment	<input type="checkbox"/>
Require Put-away	<input type="checkbox"/>
Use Put-away Worksh...	<input checked="" type="checkbox"/>
Require Pick	<input type="checkbox"/>
Bin Mandatory	<input type="checkbox"/>
Directed Put-away an...	<input checked="" type="checkbox"/>
Use ADCS	<input checked="" type="checkbox"/>
Default Bin Selection	<input type="text"/>
Outbound Whse. Han...	<input type="text"/>
Inbound Whse. Handl...	<input type="text"/>
Base Calendar Code	<input type="text"/>
Customized Calendar	No
Use Cross-Docking	<input checked="" type="checkbox"/>
Cross-Dock Due Date...	<input type="text"/>

Bins	
Receipt	
Receipt Bin Code	W-08-001
Shipment	
Shipment Bin Code	W-09-001
Production	
Open Shop Floor Bin ...	W-07-001
To-Production Bin Co...	W-07-002
From-Production Bin ...	W-07-003
Adjustment	
Adjustment Bin Code	W-11-001
Cross-Dock	
Cross-Dock Bin Code	W-14-001
Assembly	
To-Assembly Bin Code	<input type="text"/>
From-Assembly Bin C...	<input type="text"/>
Asm.-to-Order Shpt. ...	<input type="text"/>

ADCS = Automated Data Capture System

The Automated Data Capture System (ADCS) solution provides a way for Business Central to communicate with handheld devices through web services. You must work with a Microsoft partner who can provide the link between the web service and the specific handheld device.

Bins I. (location white in our demo BC version)

Code ↑	Location Code	Description	Bin Type Code	Zone Code	Bin Ranking	Emp...	Ded...
→ W-01-0001	WHITE		PUTPICK	PICK	100	<input type="checkbox"/>	<input type="checkbox"/>
W-01-0002	WHITE		PUTPICK	PICK	90	<input checked="" type="checkbox"/>	<input type="checkbox"/>
W-01-0003	WHITE		PUTPICK	PICK	90	<input checked="" type="checkbox"/>	<input type="checkbox"/>
W-02-0001	WHITE		PUTPICK	PICK	100	<input type="checkbox"/>	<input type="checkbox"/>
W-02-0002	WHITE		PUTPICK	PICK	90	<input checked="" type="checkbox"/>	<input type="checkbox"/>
W-02-0003	WHITE		PUTPICK	PICK	90	<input type="checkbox"/>	<input type="checkbox"/>
W-03-0001	WHITE		PUTPICK	PICK	100	<input checked="" type="checkbox"/>	<input type="checkbox"/>
W-03-0002	WHITE		PUTPICK	PICK	90	<input checked="" type="checkbox"/>	<input type="checkbox"/>
W-03-0003	WHITE		PUTPICK	PICK	90	<input checked="" type="checkbox"/>	<input type="checkbox"/>
W-04-0001	WHITE		PUTPICK	PICK	100	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Bin numbers. The bins are the smallest area of the warehouse.

Bins have several attributes (bin type, ranking, zone code, weight, volume, position)

Bin Type Code : you can either put-away items into bins or you can pick items from bins

Bins II.

Bins | Search + New Edit List Delete Open in Excel **Related**

Bin Contents

TE		PUTPICK	PICK
----	--	---------	------

Bin Content | Search + New Edit List Delete Open in Excel

Views ×

***All** 📄 ⋮

Filter list by:

× Bin Code

× Location Code !

× Quantity

× Item No.

Bin Code ▼	Fixed	Default	Dedicated	Item No. ↑ ▼	Quantity
→ <u>W-01-0001</u>	⋮	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LS-75	4
W-02-0001	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LS-120	10
W-02-0003	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LS-150	37
W-04-0012	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LS-10PC	20
W-04-0013	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LS-MAN-10	118
W-04-0014	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LS-2	17
W-04-0015	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LS-S15	12
W-05-0001	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LS-75	12
W-05-0002	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LS-120	6
W-05-0003	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LS-150	7
W-05-0004	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LS-10PC	38
W-05-0007	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LS-100	32
W-05-0008	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LSU-15	28

Graphical representation I.

Could be Location (hall, shed, assembly shop)



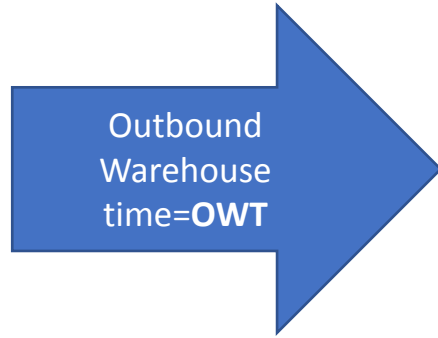
Inventory zone



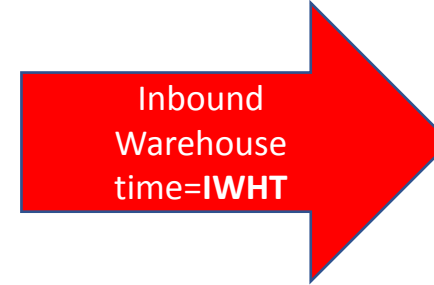
Bin

Times → Locations → Transfers

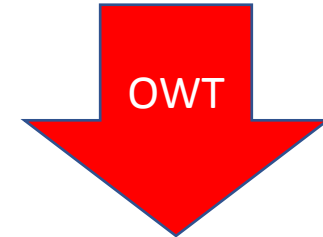
Blue location



Outsource/Own location=>vehicle



Red location



Vendor Card | Work Date: 21/10/2022

10000 · London Postmaster

Process Request Approval New Document Navigate Vendor Actions Related Reports Fewer options

General Show more

No.	10000	Blocked		Balance Due (LCY)	117,201.40
Name	London Postmaster	Balance (LCY)	133,102.66		

Address & Contact Show less

Receiving

Location Code		Lead Time Calculation	3D
Shipment Method Code	CIF	Base Calendar Code	

Purchase Order and basic time parameters such as lead time

Parameters presented on previous slide I.

Warehouse

Require Receive Bin Mandatory Inbound Whse. Handling Time

Require Shipment Directed Put-away and Pick Base Calendar Code

Require Put-away Use ADCS Customized Calendar

Use Put-away Worksheet Default Bin Selection

Require Pick Outbound Whse. Handling Time Use Cross-Docking

Cross-Dock Due Date Calc.

$OWHT+IWHT+ST=2D+3D+1D=6D$
 (In this example). Later IWHT was changed to 2D only

Transfer Routes

◀ Previous Set ▶ Next Set

Options

Show Show Transfer-to Name

Transfer Routes Matrix | Manage

Transfer-from Code 1	Transfer-from Name	BLUE	GREEN
→ BLUE	Blue Warehouse	...	...
GREEN	Green Warehouse	...	...
RED	Red Warehouse	OUT. LOG.	...
SILVER	Silver Warehouse	...	...
WHITE	White Warehouse	...	...
YELLOW	Yellow Warehouse	...	...

General

In-Transit Code Shipping Agent Code

Shipping Agent Service

Code 1	Description	Shipping Time
→ NEXT DAY	Next day delivery	1D
STANDARD	Standard delivery	2D

Parameters presented on previous slide I.

Customer Card

Another possibility to specify Shipping time on Customer card

Shipping

Ship-to Code	<input type="text"/>	Shipment Method	
Location Code	BLUE	Code	EXW
Combine Shipments	<input checked="" type="checkbox"/>	Agent	DHL
Reserve	Optional	Agent Service	OVERNIGHT
Shipping Advice	Partial	Shipping Time	1D

Transfer Orders

Transfer Order | Work Date: 2/1/2022

1015

Report Release Posting Order Print/Send Navigate More options

General Show more

Transfer-from Code: BLUE Direct Transfer: Posting Date: 2/1/2022

Transfer-to Code: RED In-Transit Code: OUT. LOG. Status: Open

Lines Manage More options

Item No.	Description	Quantity	Reserved Quantity Inbnd.	Appl.-to Item Entry	Reserved Quantity Shipped	Reserved Quantity Outbnd.	Unit of Measure Code	Qty. to Ship	Quantity Shipped	Qty. to Receive	Quantity Received	Shipment Date	Receipt Date
→ 1936-S	BERLIN Guest Chair, yellow	2	-	0	-	-	PCS	2	-			2/1/2022	2/6/2022

Shipment Show less

Shipment Date: 2/1/2022 Shipping Agent Code: FEDEX Shipping Advice: Partial

Outbound Whse. Handling Time: 2D Shipping Agent Service Code: NEXT DAY Receipt Date: 2/6/2022

Shipment Method Code: Shipping Time: 1D

5 days

Inbound WH handling time – location red =2 days -> 5 D = 2D (Out WH HT Blue)+1D (shipping) + 2D (In WH HT Red)

WH = Warehouse

Transfer Order – Posting two times (from **Blue Location** to Vehicle and From Vehicle to **Red Location**)

Ship
 Receive

OK Cancel

Item Card | Work Date: 2/1/2022 **Item card**

1936-S · BERLIN Guest Chair, yellow

Process Item Prices & Discounts Request Approval Actions **Related** Fewer options

History Item **Availability** Purchases Sales Bill of Materials

Items by Location

No. Description

air, yellow

Blocked Type

Items by Location

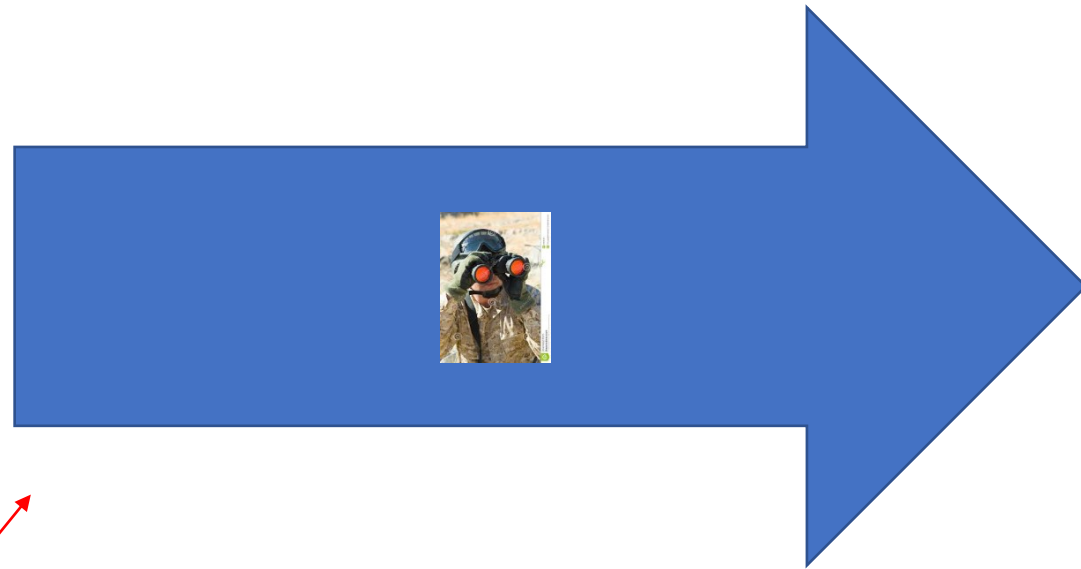
Options

Show Items in Transit

Column Set OUT. LOG...OWN LOG.

Show Column Name

No. 1	Description	OUT. LOG.
1928-W	ST.MORITZ Storage Unit/Drawers	--
1929-W	Conference Bundle 1-8	--
→ 1936-S	BERLIN Guest Chair, yellow	6
1952-W	OSLO Storage Unit/Shelf	--



Calculated field

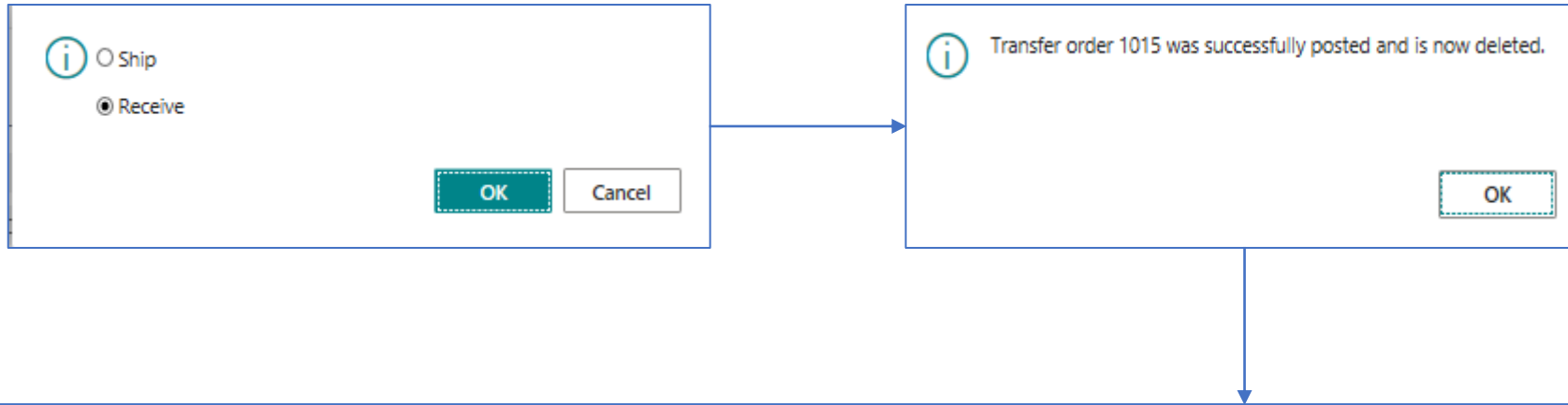
Item ledger entries (transactions) after 1st post action

← Item 1936-S BERLIN Guest Chair, yellow | Work Date: 2/1/2022

Item Ledger Entries | Search Entry Open in Excel | Actions Related Fewer options

Posting Date	Entry Type	Docu... Type	Document No.	Item No.	Descrip...	Lot No.	Depar... Code	Project Code	Location Code	Quantity	Invoiced Quantity	Remaining Quantity	Sales Amount (Actual)	Cost Amount (Expected)	Cost Amount (Actual)
2/1/2022	Transfer	Transfe...	108010	1936-S		-			OUT. LOG.	2	2	2	0.00	0.00	195.00
1/28/2022	Transfer	Transfe...	109004	1936-S		-			OUT. LOG.	-5	-5	0	0.00	0.00	-487.50
1/28/2022	Transfer	Transfe...	108008	1936-S		-			OUT. LOG.	5	5	0	0.00	0.00	487.50
1/27/2022	Transfer	Transfe...	108005	1936-S		-			OUT. LOG.	4	4	4	0.00	0.00	390.00

2nd Posting of Transfer Order



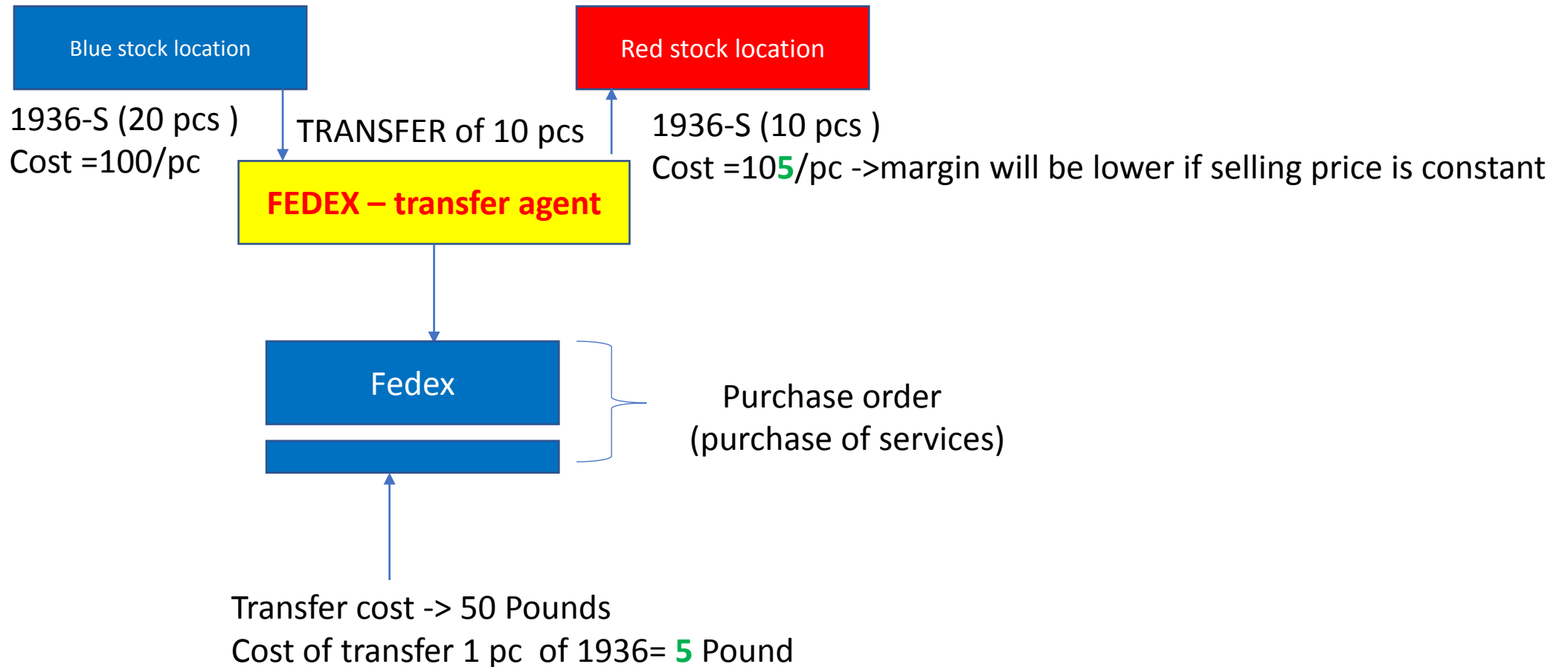
Item 1936-S BERLIN Guest Chair, yellow | Work Date: 2/1/2022

Item Ledger Entries | Search | Entry | Open in Excel | Actions | Related | Fewer options

Posting Date	Entry Type	Docu... Type	Document No.	Item No.	Descrip...	Lot No.	Depar... Code	Proje... Code	Location Code	Quantity	Invoiced Quantity	Remaining Quantity	Sales Amount (Actual)	Cost Amount (Expected)	Cost Amount (Actual)	Cost Amount (Non-Invtbl.)	Open	Order Type	Entry No. 4
2/1/2022	Transfer	Transfe...	109006	1936-S		-			RED	2	2	2	0.00	0.00	195.00	0.00	<input checked="" type="checkbox"/>	Transfer	451
2/1/2022	Transfer	Transfe...	109006	1936-S		-			OUT. LOG.	-2	-2	0	0.00	0.00	-195.00	0.00	<input type="checkbox"/>	Transfer	450
2/1/2022	Transfer	Transfe...	108010	1936-S		-			OUT. LOG.	2	2	0	0.00	0.00	195.00	0.00	<input type="checkbox"/>	Transfer	449
2/1/2022	Transfer	Transfe...	108010	1936-S		-			BLUE	-2	-2	0	0.00	0.00	-195.00	0.00	<input type="checkbox"/>	Transfer	448

Costing (applying additional cost for transfer)

Item number 1936-S





THE END