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## Overview

In accordance with IPSAS 12, inventory *held for sale* is to be measured at the lower of cost and net realizable value (NRV) on an item-by-item or group basis. Inventories held for *distribution* at no charge, or for a nominal charge, are to be measured at the lower of cost and current replacement cost.

Upon full deployment of Umoja, the cost of inventory shall be determined using **moving average price** “MAP” (as outlined in the UN Policy Framework for IPSAS). The **MAP** method is a method of determining the cost of inventory by re-calculating the average cost of each inventory item after every inventory purchase. In Umoja this is calculated separately for each plant location.

In Umoja all items managed operationally as inventory (that is in locations using Logistic Execution-Inventory Management) are all initially recognized in the same manner (as a current asset). However, subsequent adjustments are made to expense non-financial inventory for financial statement reporting purposes.

**Financial inventories** include inventory held for sale or external distribution, Strategic Consumables & Supplies including UN Reserves, and Raw Materials and Work in progress. Financial inventories will be reported in the IPSAS statement of financial position as a current asset until used, sold, or distributed, at which point it will be expensed.

**Non-financial inventories** are materials and supplies consumed internally for the United Nation’s own use. These are items that are managed as inventory within the organization though do not meet the definition of inventory as a current asset. Non-financial inventory will be expensed and not recorded as a current asset.

Further information regarding financial accounting for inventory can be found under Financial Accounting in the [Umoja job aids page](#), on the Umoja website.

Financial Accounting	
General	<a href="#">Formatting ECC Finance Reports</a>
General	<a href="#">Run Cash Balances GM Budget Release Report</a>
UNDP	<a href="#">UNDP Advance and Reconciliation</a>
UNDP	<a href="#">Preparation for UNDP Mass Update</a>
General Ledger	<a href="#">Chart of Accounts</a>
General Ledger	<a href="#">P1E 100 Coding Block</a>
General Ledger	<a href="#">Bank Reconciliation of Transfers &amp; Remittances</a>
General Ledger	<a href="#">Accounting for Inventory Financial and Non-Financial</a>
Accounts Payable	<a href="#">Clearing of Payroll Account</a>
Accounts Payable	<a href="#">Retrieve MIR7 Invoice</a>
Accounts Payable	<a href="#">MIR7 Cheat Sheet</a>
Accounts Payable	<a href="#">Access AP Report</a>
Accounts Payable	<a href="#">Cash Journal Ongoing Operations</a>

The following job aid sets out the procedures to be followed once it is identified that MAP adjustments of inventory are necessary. For example as a result of impairment or in exceptional cases where inventory was received into a plant and due to the fact there was no existing material at the plant the item has a MAP of zero (i.e. receiving items with no associated PO).

There are two methods of adjusting MAP.

- MR21, will revalue all of a particular material in a given Plant Location by indicating the new price for the material. Note the revaluation only applies to stock that is unrestricted (it does not apply the adjustment to blocked stock or stock that is already included in a sales or production order).
- MR22, will revalue a material based on the addition or subtraction of a lump sum to the full or partial quantity of the stock in the Plant location. Note the revaluation only applies to stock that is unrestricted (it does not apply the adjustment to blocked stock or stock that is already included in a sales or production order).

**IMPORTANT: All MAP adjustments post against expenditure GL accounts for Impairment (GL account ranges 77300000 to 77599999). As such, when the MR21/MR22 adjustment relates to a material that is non-financial in nature or as a result of a conversion error a separate JV (FV50) needs to be posted to correct the posting against the impairment account (this is outlined below in PART 2).**

Material Valuation changes (using MR21 and MR22) are currently performed by the FINANCIAL\_ACCOUNTING: CLOSING\_USER, centrally in UNHQ. This is necessary as the user posting needs to review and adjust for any affects related to Non-Financial inventory in the *Statement of Financial Performance* (P&L). Hence any adjustments needed to MAP must be documented in an iNeed ticket (and assigned to Tier 2b-Financial Accounting).

In the case entities need to receive items without a PO or adjust the value of a material as a result of an error on purchase order (wrong material used or there is a quantity price inversion on a direct material PO), an iNeed ticket should be also raised once raised. The Logistics Execution-LPE or LE-Umoja Team will provide the guidance on appropriate job aids to follow.

The method by which the new MAP is obtained needs to be documented fully and approved by the CFO at the location.

\* \* \* \* \*

## PART 1: Identify Material(s) / locations relevant for Price Change- MB52

Each entity will identify when a MAP adjustment is necessary. For example when material is considered financial inventory (it should be revalued regularly). Note: for generic material items created where there are large variations in price it is necessary to look on a case by case basis to ensure inventory is correctly valued in accordance with IPSAS.

Once material adjustment is identified, a report should be run which outlines at the storage locations where this material is currently available. The “*Warehouse Stocks of Material*” report (Transaction **MB52**) should be used.

1. In the selection screen of **MB52** transaction, enter the desired material number into the “*Material*” field and ensure to flag the “*No zero stock lines*” option, so all plants/storage locations where the material exist can be considered for the reporting

The screenshot displays the SAP selection screen for the 'Display Warehouse Stocks of Material' (MB52) transaction. The screen is divided into several sections:

- Database Selections:** Material (1500005105), Plant, Storage Location, and Batch.
- Scope of List:** Material Type, Material Group, and Purchasing Group.
- Selection: Special Stocks:** Includes 'Also Select Special Stocks' and 'Special Stock Indicator'.
- Settings:** A red box highlights this section, containing:
  - Display Negative Stocks Only
  - Display Batch Stocks
  - No zero stock lines
  - Do Not Display Values
- Display Options:** Includes 'Hierarchical Representation' and 'Non-Hierarchical Representation' (selected).

2. After executing the transaction, the report shows all the plants / storage locations where the specified material is available in the organization, together with the actual stock value information.

**Display Warehouse Stocks of Material**

Material	Material Description		Plnt Name 1				
SLoc SL	Unrestricted Unit	Transit/Transf.	In Quality Insp.	Restricted-Use	Blocked	Returns	
	Total Value	Crcy	Total Value	Total Value	Total Value	Total Value	
1100000534	Paper Roll:Print Shop,Matte,130gsm,42in		AT00 UN Office at Vienna				
1903	5 EA		0	0	0	0	
	1,074.20 USD		0.00	0.00	0.00	0.00	
1905	14 EA		0	0	0	0	
	3,007.76 USD		0.00	0.00	0.00	0.00	
1100000534	Paper Roll:Print Shop,Matte,130gsm,42in		KE00 UN Office at Nairobi				
8102	1 EA		0	0	0	0	
	255.25 USD		0.00	0.00	0.00	0.00	
1100000534	Paper Roll:Print Shop,Matte,130gsm,42in		US00 UN Headquarters New York				
4102	23 EA		0	0	0	0	
	4,830.00 USD		0.00	0.00	0.00	0.00	
4112	33 EA		0	0	0	0	
	6,930.00 USD		0.00	0.00	0.00	0.00	
4122	41 EA		0	0	0	0	
	8,610.00 USD		0.00	0.00	0.00	0.00	
<b>* Total</b>							
	24,707.21 USD		0.00	0.00	0.00	0.00	

If any quantity is available at “non-physical storage locations” the price revaluation cannot be performed (for more details, see chapter “Troubleshooting Error Messages”).

The current “non-physical storage locations” (for all plants/entities) are:

- 9000 : Virtual Location
- A000 : Asset Receiving Consumable

**To review the MAP of a Material use MM60.**

Alternatively a user can simply review the current MAP of items using MM60 and entering the material and plant

**Materials List**

Database selections

Material: 1500005105

Plant: US00 to

Material type: to

Material group: to

Created by: to

Valuated materials only

Material	Plant	Val. Type	Description	Last Change	MTyp	Matl Group	Unit	PGr	ABC	Typ	ValCl	Prc	Price	Crcy
1500005105	US00		Computer:Laptop	14.03.2016	ZSAA	43211503	EA				F004	V	615.29	USD
1500005105	US00	NEW_SUPP	Computer:Laptop	14.03.2016	ZSAA	43211503	EA				F004	V	615.29	USD
1500005105	US00	OLD_SUPP	Computer:Laptop	14.03.2016	ZSAA	43211503	EA				F004	V	0.00	USD

## Adjust the Material Prices using MR21

Using MR21 to revalue a material in a particular plant location, as mentioned above, will revalue the MAP for all items at that plant location.

1. Log in to Umoja ECC.
2. Execute Transaction code **MR21**.
3. Fill out the following fields as described below and then press the Enter key to continue.

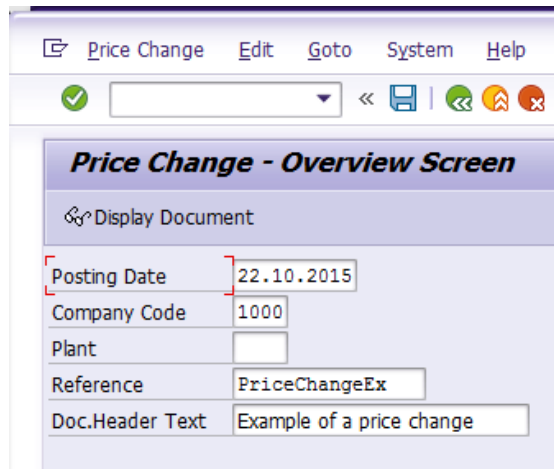
**Posting Date:** This will default to today's date, change if necessary.

**Company Code:** Always = 1000

**Plant:** Leave this blank, if you are posting to more than one plant, otherwise enter the plant.

**Reference:** Reference ID for the postings to be made (Will appear on the header of FI document)

**Doc.Header Text:** A more detailed description of the postings to be made (Will appear on the header of FI document).



Price Change	Edit	Goto	System	Help
✓	▾	⏪	📁	⏩
<b>Price Change - Overview Screen</b>				
🔍 Display Document				
Posting Date	22.10.2015			
Company Code	1000			
Plant				
Reference	PriceChangeEx			
Doc.Header Text	Example of a price change			

4. You will now see a table below the price change document. This is where you will fill out the list of materials/plants and their new prices. Enter a Material number and Plant on the first line and press Enter.

**Note:** In case the material is split valued, the "Valuation Type" field also has to be populated to all relevant materials. Please also note, the revaluation should be done only for "NEW\_SUPP" or "NEW\_SPARES" split valuations (depending on the material).

**Price Change - Overview Screen**

Display Document

Posting Date: 22.10.2015  
 Company Code: 1000 United Nations  
 Plant:   
 Reference: PRICECHANGEEX  
 Doc.Header Text: Example of a price change

USD Co.Code

Variant: Stock material Company code currency

Material	Plant	Valuation type	P	Current valuati...	New price	Current ...	New pric...	Current stati...	New statistic...

- After pressing enter you will see the current valuation (price) and the new price.

USD Co.Code

Variant: Stock material Company code currency

Material	Plant	Valuation type	P	Current valuati...	New price	Current ...	New pric...	Current stati...	New statistic...
1100000534	KE00		V	250.75	250.75	1	1	0.00	

- Generally the MR21 adjustment will only be done by Plant Location. But where materials exist in more than one plant. Continue adding all of the additional material/plant combinations you plan to adjust. The example below shows three lines for one material, with each plant having its own unique valuation for the same material (if the user is adjusting for their plant only care should be taken to only include the relevant plant ID).

USD Co.Code

Variant: Stock material Company code currency

Material	Plant	Valuation type	P	Current valuati...	New price	Current ...	New pric...	Current stati...	New statistic...
1100000534	KE00		V	250.75	255.25	1	1	0.00	
1100000534	AT00		V	214.00	214.00	1	1	0.00	
1100000534	00		V	209.13	210.00	1	1	0.00	

- If you need to remove any lines that you added, click on the button to the left of the material number and then click on the Delete icon.

Material	Plant	Valuation type	P	Current valuation
1100000534	KE00		V	250.75
1100000534	AT00		V	214.00
1100000534	US00		V	209.13

- When all material/plant combinations are entered, update the 'New price' field for each line. Enter in the **FIRST New Price Column**

Material	Plant	Valuation type	P	Current valuation	New price	Current ...	New price...
1100000534	KE00		V	250.75	255.25	1	1
1100000534	AT00		V	214.00	214.84	1	1
1100000534	US00		V	209.13	210.00	1	1

- After all new prices have been entered, post the changes by clicking on the Save icon.

Price Change - Overview Screen

Posting Date: 22.10.2015  
 Company Code: 1000 United Nations  
 Reference: PRICECHANGEEX  
 Doc.Header Text: Example of a price change

Material	Plant	Valuation type	P	Current valuation	New price	Current ...	New price...	Current stati...	New statistic...
1100000534	KE00		V	250.75	255.25	1	1	0.00	
1100000534	AT00		V	214.00	214.84	1	1	0.00	
1100000534	US00		V	209.13	210.00	1	1	0.00	

- If the postings were made successfully, you should see a message in the status bar showing the document number for the change.

✓ Price change document 3000000036 posted



## Adjust the Material Prices using MR22

The transaction is very similar to MR22 but allows a user to revalue one or multiple materials in one plant indicating a lump sum that is to be added (or subtracted) to the entire quantity of the materials in stock or to a specified quantity. The system will automatically recalculate the value of the materials and a new MAP will be derived.

This could be used, for instance, there is the need to include some specific costs incurred, such as transformation, to a specific material. It can also be used to revaluing a large number of materials that are less than 1 USD (where more than 2 decimal places are needed to correctly value the individual items).

MR22 is performed as follows:

1. Type MR22 in the command field and press Enter. The system displays the initial screen where the user must specify the Plant, in this example, "KE00" and press Enter.

**Debit/Credit Material: Overview Screen**

Display Document

Posting Date: 25.10.2016

Company Code: 1000

Plant: KE00

Reference:

Doc.Header Text:

2. The system displays the screen where the user shall specify the material, the valuation type (if the material is split valuated, it will always be either NEW\_SUPP or NEW\_SPARES) and the lump sum in the column Amount.

**Debit/Credit Material: Overview Screen**

Display Document

Posting Date: 25.10.2016

Company Code: 1000 United Nations

Plant: KE00 UN Office at Nairobi

Reference:

Doc.Header Text:

USD Co.Code

Variant: LAGERMATERIAL - OHNE BWKEY\_... Company code curr

Material	Valuation type	P. Amount	Quantity
1500005105	NEW_SUPP	1000	

3. As mentioned above, it is possible to indicate a specific quantity of that material to which the lump sum is to be added. If not indicated, the system will automatically apportion the additional lump sum to the total quantity of the material in stock in the plant. Press Enter to review the system calculated values:

**Debit/Credit Material: Overview Screen**

Display Document

Posting Date: 25.10.2016  
 Company Code: 1000 United Nations  
 Plant: KE00 UN Office at Nairobi  
 Reference:  
 Doc.Header Text:

USD Co.Code

Variant: LAGERMATERIAL - OHNE BWKEY\_... Company code currency

Material	Valuation type	P Amount	Quantity	Base Unit	Price	New price	Price unit
1500005105	NEW_SUPP	V 1,000.00	32	EA	779.18	810.43	1

In the above screen, the system displays the Quantity (in this case the total material quantity in stock in the plant), the base unit of measure, the Price that is the current MAP of the material and the New Price, that is the reevaluated price based on the Amount added.

4. Click on Save ( ) to perform the reevaluation of the material.

## Review the Postings

1. Execute Transaction code **CKMPCD**
2. Enter the document number and year that you wish to review.

**Price Change Document: Initial Screen**

Document Number: 3000000036  
 Document Year: 2015

3. The document will show a line for each line material/plant combination adjusted. The “Value chg.” field is showing the amount which was posted in the particular plant.

**Display Price Change Document 3000000036: Overview**

Accounting Documents...

**Price Change**

Document Number: 3000000036  
 Document Date: 22.10.2015  
 User: MSALACINSKI  
 Period: 010.2015  
 Currency/Valuation: Company code currency USD

Item	Material	Material Description	Plant	Old Price	New Price	Old PU	NewPU	Prc	Value chg.	Crcy
1	1100000534	Paper Roll:Print Shop,Matte,130gsm,42in	KE00	250.75	255.25	1	1	V	4.50	USD
2	1100000534	Paper Roll:Print Shop,Matte,130gsm,42in	AT00	214.00	214.84	1	1	V	15.96	USD
3	1100000534	Paper Roll:Print Shop,Matte,130gsm,42in	US00	209.13	210.00	1	1	V	84.39	USD

- To view the accounting documents, select a line by clicking on it and then click on the 'Accounting Documents' button.

**Display Price Change Document 3000000036: Overview**

Accounting Documents...

**Price Change**

Document Number 3000000036  
 Document Date 22.10.2015  
 User MSALACINSKI  
 Period 010.2015  
 Currency/Valuation Company code currency USD

Item	Material	Material Description	Plant	Old Price	New Price	Old PU	NewPU	Prc	Value chg.	Crcy
1	1100000534	Paper Roll:Print Shop,Matte,130gsm,42in	KE00	250.75	255.25	1	1	V	4.50	USD
2	1100000534	Paper Roll:Print Shop,Matte,130gsm,42in	AT00	214.00	214.84	1	1	V	15.96	USD
3	1100000534	Paper Roll:Print Shop,Matte,130gsm,42in	US00	209.13	210.00	1	1	V	84.39	USD

- Double-click on the document you wish to review. Each will bring you to the appropriate document that you are familiar with.

List of Documents in Accounting

**Documents in Accounting**

Doc. Number	Object type text
5300000012	Accounting document
0000448756	Profit center doc.
1000129462	Controlling Document
1000142564	Funds Management doc
3000000036	Grants Mgm. Doc.

Separate Original document

- The financial postings were split up across all inventory holding storage locations which are currently storing the price changed material. This means the total amount of postings (per plant) were split up among the Funds Management coding blocks of inventory holding storage locations based on how much portion of the material is stored in the particular storage location.

**Display Document: Data Entry View**

Display Currency    General Ledger View

Data Entry View

Document Number: 5300000012    Company Code: 1000    Fiscal Year: 2015  
 Document Date: 22.10.2015    Posting Date: 22.10.2015    Period: 10  
 Reference: PRICECHANGEEX    Cross-Comp.No.:  
 Currency: USD    Texts exist:     Ledger Group:

C...	Item	PK	S	Account	Description	Amount	Curr.	Amount	BusA	Fund	Funds Ctr	Grant	Cost C	Segment	Functional Area	Funded Prg
10...	1	89		17026010	Invn RawMat Printin	4.20	USD	4.20	S400	10RCR	15606	GMNR		108COMMSUP	29ACG003	FPNR
	2	93		77326010	Impai RawMat Printin	4.20	USD	4.20	S400	10RCR	15606	GMNR	15606	108COMMSUP	29ACG003	FPNR
	3	89		17026010	Invn RawMat Printin	11.76	USD	11.76	S400	10RCR	15608	GMNR		108COMMSUP	29ACG004	FPNR
	4	93		77326010	Impai RawMat Printin	11.76	USD	11.76	S400	10RCR	15608	GMNR	15608	108COMMSUP	29ACG004	FPNR
	5	89		17026010	Invn RawMat Printin	4.50	USD	4.50	S300	10RCR	11631	GMNR		101PLCYMAK	S2ACD004	FPNR
	6	93		77326010	Impai RawMat Printin	4.50	USD	4.50	S300	10RCR	11631	GMNR	11631	101PLCYMAK	S2ACD004	FPNR
	7	89		17026010	Invn RawMat Printin	20.01	USD	20.01	S100	10ICR	16503	GMNR		102POLITAF	93AC0002	FPNR
	8	93		77326010	Impai RawMat Printin	20.01	USD	20.01	S100	10ICR	16503	GMNR	16503	102POLITAF	93AC0002	FPNR
	9	89		17026010	Invn RawMat Printin	28.71	USD	28.71	S100	10ICR	16503	GMNR		102POLITAF	93AC0002	FPNR
	10	93		77326010	Impai RawMat Printin	28.71	USD	28.71	S100	10ICR	16503	GMNR	16503	102POLITAF	93AC0002	FPNR
	11	89		17026010	Invn RawMat Printin	35.67	USD	35.67	S100	10ICR	16503	GMNR		102POLITAF	93AC0002	FPNR
	12	93		77326010	Impai RawMat Printin	35.67	USD	35.67	S100	10ICR	16503	GMNR	16503	102POLITAF	93AC0002	FPNR

Plant AT00  
Plant KE00  
Plant US00

Review each document as necessary. You can press the back button to return to the Price Change document view.

- The following calculation helps to understand how the above posting is generated. The quantity information is coming from the MB52 report which was mentioned earlier. The "Ratio" field is calculated based on the total quantity within a given plant and shows what portion is available in the particular storage location. Based on the expected posting value is calculated, which can be found in the previously mentioned accounting document

Plant/Storage Location	Quantity in location	Ratio (within plant)	Expected posted value
AT00 / 1903	5	26.32%	4.200672 -> <b>4.20\$</b>
AT00 / 1905	14	73.68%	11.75933 -> <b>11.76\$</b>
KE00 / 8102	1	100%	<b>4.5\$</b>
US00 / 4102	23	23.71%	20.00887 -> <b>20.01\$</b>
US00 / 4112	33	34.02%	28.70948 -> <b>28.71\$</b>
US00 / 4122	41	42.27%	35.67165 -> <b>35.67\$</b>

The following report is a snap-shot of MB52 report, used for the above detailed calculation

**Display Warehouse Stocks of Material**

Material	Material Description			Plnt Name 1			Restricted-Use	Blocked	Returns
SLoc	SL	Unrestricted Unit	Transit/Transf.	In Quality Insp.	Restricted-Use	Blocked	Total Value	Total Value	Total Value
		Total Value	Crcy	Total Value	Total Value	Total Value			
1100000534	Paper Roll:Print Shop,Matte,130gsm,42in			AT00 UN Office at Vienna					
1903	5	EA	0	0	0	0	0	0	
	1,074.20	USD	0.00	0.00	0.00	0.00	0.00	0.00	
1905	14	EA	0	0	0	0	0	0	
	3,007.76	USD	0.00	0.00	0.00	0.00	0.00	0.00	
1100000534	Paper Roll:Print Shop,Matte,130gsm,42in			KE00 UN Office at Nairobi					
8102	1	EA	0	0	0	0	0	0	
	255.25	USD	0.00	0.00	0.00	0.00	0.00	0.00	
1100000534	Paper Roll:Print Shop,Matte,130gsm,42in			US00 UN Headquarters New York					
4102	23	EA	0	0	0	0	0	0	
	4,830.00	USD	0.00	0.00	0.00	0.00	0.00	0.00	
4112	33	EA	0	0	0	0	0	0	
	6,930.00	USD	0.00	0.00	0.00	0.00	0.00	0.00	
4122	41	EA	0	0	0	0	0	0	
	8,610.00	USD	0.00	0.00	0.00	0.00	0.00	0.00	
<b>* Total</b>									
		24,707.21	USD	0.00	0.00	0.00	0.00	0.00	0.00

- Last but not least, the “Reference” and “Doc. Header Text” information which were provided in the beginning of executing MR21 transaction are copied into the header of the finance accounting document.

**Display Document: Data Entry View**

Display Currency    General Ledger View

Data Entry View

Document Number: 5300000012    Company Code: 1000    Fiscal Year: 2015

Document Date: 22.10.2015    Posting Date: 22.10.2015    Period: 10

Reference: PRICECHANGEEX    Cross-Comp.No.:

Currency: USD

Document Header: 1000 Company Code

Document Type: PR Price Change

Doc.Header Text: Example of a price change

Card type:    Card no.:

Request Number:

Reference: PRICECHANGEEX    Document Date: 22.10.2015

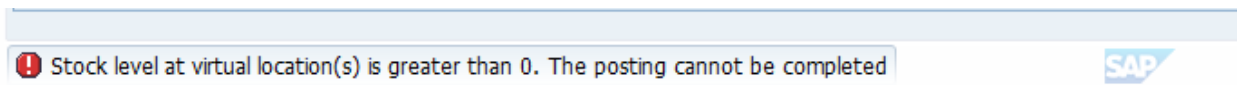
C...	Itm	PK	S	Account	Description
10...	1	89		17026010	Invn RawMa
	2	93		77326010	Impai RawM
	3	89		17026010	Invn RawMa

## Troubleshooting Error Messages

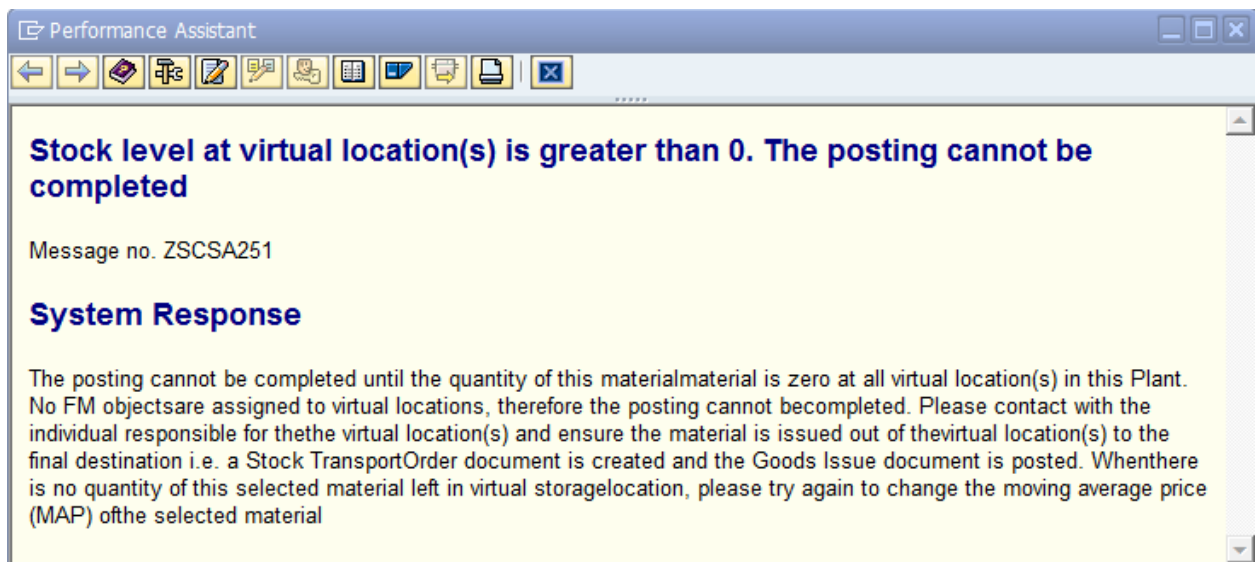
Price revaluation can be performed only if the materials are only in physical storage locations or at least on the way (Stock Transfer Order document is created) to the final, physical storage location. The reason behind is only physical storage locations are 'assigned' to Funds Management coding block elements (Fund, Fund Center, Functional Area), therefore the financial transactions can happen only based on such storage locations.

If any quantity of the particular material is available at a virtual storage location during the price change transaction (MR21 transaction) the system is raising an error message:

1. First thing you notice is the save of the document (the posting) is not performed and the following error appears on the bottom of the screen.



2. If you double click on the error, it gives you a generic overview about the reason why the posting was not completed.



3. As a next step, you can run the MB52 Logistic report to have a better understanding which entity has inventory in the virtual storage locations.

**Display Warehouse Stocks of Material**

Material	Material Description		Plnt Name 1				
SLoc SL	Unrestricted Unit	Transit/Transf.	In Quality Insp.	Restricted-Use	Blocked	Returns	
	Total Value Crncy	Total Value	Total Value	Total Value	Total Value	Total Value	
1500004157	Raincoat		CL30 Econ Comm. Latin Amer & Carib				
9000	50 EA	0	0	0	0	0	
	1,000.00 USD	0.00	0.00	0.00	0.00	0.00	
1500004157	Raincoat		ET30 UN Economic Comm. for Africa				
2101	150 EA	0	0	0	0	0	
	3,000.00 USD	0.00	0.00	0.00	0.00	0.00	
1500004157	Raincoat		KE00 UN Office at Nairobi				
	0 EA	1,100	0	0	0	0	
	0.00 USD	20,029.49	0.00	0.00	0.00	0.00	
2102	90 EA	0	0	0	0	0	
	1,638.78 USD	0.00	0.00	0.00	0.00	0.00	
2103	11 EA	0	0	0	0	0	
	200.29 USD	0.00	0.00	0.00	0.00	0.00	
4101	10 EA	0	0	0	0	0	
	182.09 USD	0.00	0.00	0.00	0.00	0.00	
5101	1,714 EA	0	0	0	0	0	
	31,209.59 USD	0.00	0.00	0.00	0.00	0.00	
7102	1,050 EA	0	0	0	8	0	
	19,119.06 USD	0.00	0.00	0.00	145.67	0.00	
7103	2 EA	0	0	0	0	0	
	36.42 USD	0.00	0.00	0.00	0.00	0.00	
9000	360 EA	0	0	0	0	0	
	6,555.11 USD	0.00	0.00	0.00	0.00	0.00	

- As it can be seen in the above screen-shot, 360 quantity is available at UNON’s virtual location, which need to be moved to the final, physical location. If materials are on the way to the final physical location, those quantities can be found in the report, without being linked to any storage location, like the 1100 quantity, also in UNON. The “in-transit” quantities will be considered for the financial posting, under the receiving plant/storage location’s coding block, which information is coming from the related logistic document (Stock Transfer Order document).

## PART 2: Corrections for Non-financial inventory MAP adjustments

Part one covered MAP adjustments for materials. However, often there may be a change needed in MAP for a material purely for cost recovery purposes and materials revalued may be actually non-financial in nature.

The correction to the MAP will generate a posting to an inventory impairment account (in the P&L). This posting needs to be reversed to the manual inventory account created for the particular inventory class.

It's also necessary to remember that when inventory is revalued, it is revalued for an entire plant. Part of this material may be financial and part of it non-financial.

Let's assume from the above example that the MR21 adjustment performed on the material in the KE00 Plant relates to non-financial inventory. To correct the effect on the trial balance the following would be posted.

The correction to the GL needs to be done using t-code FV-50

Document type SF to be used.

1. T-code FV50
  2. Enter the Doc date and Posting date (same period as the MR21 posting)
  3. Enter Header Text as appropriate
  4. Doc type SF
  5. Credit the Expense impairment account (use the same fund and fund center as the MR21 posting)
  6. Debit the **Manual** Inventory Account (use the same fund and fund center as the MR21 posting).
- For a list of Main and Manual inventory accounts please see Annex A.

**Enter G/L Account Document: Company Code 1000**

Tree on Company Code Hold Simulate Park Editing options

Basic Data Details

Document Date 31.12.2015 Currency USD  
 Posting Date 31.12.2015  
 Reference  
 Doc.Header Text Correct for Non-Fin I Impl  
 Document Type SF Transfer to/from Fun  
 Cross-CC no.  
 Company Code 1000 United Nations New York

Amount Information  
 Total Dr. 4.50 USD  
 Total Cr. 4.50 USD  
 COC

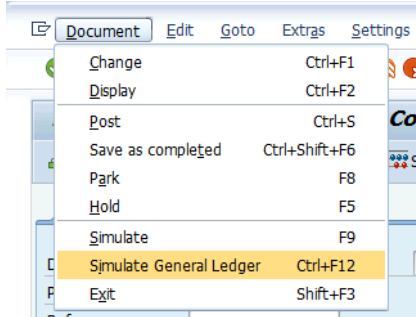
2 Items ( Screen Variant : UN Screen Variant )

Item	S...	G/L acct	D/C	Amount in doc.curr.	Loc.curr.amount	Fund	Bu...	Cost center	Func. Area	Segment	Grant
✓		17026014	Debit	4.50	4.50	10RCR	S300	11631	S2ACD004	101PLCYMAK	GMNR
✓		77326010	Cred...	4.50	4.50	10RCR	S300	11631	S2ACD004	101PLCYMAK	GMNR
					0.00						



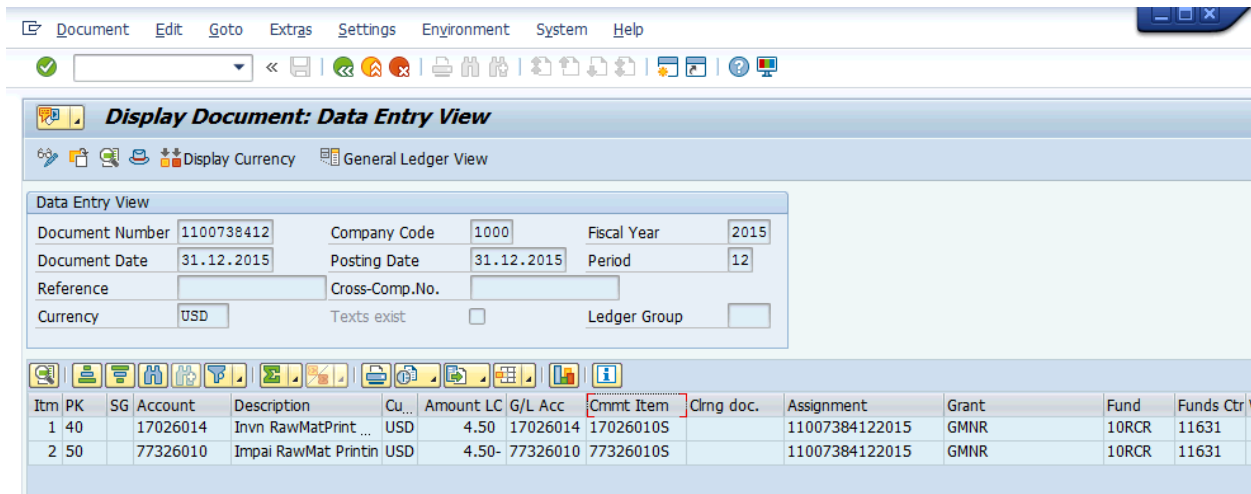
Note, it is very important to ensure that Doc type SF is used. This should ensure that the Commitment Items (CI) called in FM are statistical and that FM balances are not affected.

7. Simulate the posting in GL



Ensure that you display the GL account as well as the CI that will be used in the posting. Check that the commitment item used is statistical.

8. Once the document is posted in work flow please check the accounting documents (FI and FM)



Always check the FM document posted to ensure that the effect was statistical (i.e. available budget has not been affected).

List Edit Goto Views Settings System Help



**Display FM Document: Overview**



Display FM Document: Overview

22.03.2016 23:45:21

FM Doc. No.	Itm	Fund	BP	Funds Ctr	Cmmt Item	Stat.Ind.	FMAC	FMAC Amnt	Ledger	Year	Per	FM pstg d.	FI doc.no.	Itm	Val.type text
1003193981	1	10RCR	B15	11631	17026010S	X	USD	4.50	Payment Budget	2015	12	31.12.2015	1100738412	1	Profit transfer postin
	2	10RCR	B15	11631	77326010S	X	USD	4.50-			12		1100738412	2	Profit transfer postin

## Annex A: Valuation class, Inventory Account, Consumption Account\*

Valuation Class	Inventory Account (current Asset)	Inventory Account GL description	Manual Reversal Account (Current Asset)	Consumption Account (Expenditure Account)	Impairment Account (Expenditure Account)
F015	17001010	Invent Sanitary and Cleaning Supply	17001014	77001010	77301010
F016	17001510	Invent Public Information Supply	17001514	77001510	77301510
F017	17002010	Invent Uniform Badge and Gear	17002014	77002010	77302010
G001	17002510	Invent Medical Supply	17002514	77002510	77302510
J001	17003010	Invent Packaging Material	17003014	77003010	77303010
F020	17003510	Invent Stationary and Office Supply	17003514	77003510	77303510
F021	17004010	Invent Mine Detection and Clearing Supply	17004014	77004010	77304010
F022	17004510	Invent Ammunition	17004514	77004510	77304510
B001	17005010	Invent Spare Part Generic Supply	17005014	77005010	77305010
B003	17005410	Invent Spare Part IT End User	17005414	77005410	77305410
B004	17005420	Invent Spare Part IT Computer and Media Storage	17005424	77005420	77305420
B005	17005810	Invent Spare Part Communication and Network	17005814	77005810	77305810
B006	17006210	Invent Spare Part Engineering	17006214	77006210	77306210
B002	17006610	Invent Spare Part Ground Transport	17006614	77006610	77306610
B007	17007010	Invent Spare Part Air Transport	17007014	77007010	77307010
B008	17007410	Invent Spare Part Marine Transport	17007414	77007410	77307410
F025	17007610	Invent Engineering Supply	17007614	77007610	77307610
I001	17008010	Invent Petrol Oil and Lubricants Facility Infrastr	17008014	77008010	77308010
I002	17008210	Invent Petrol Oil and Lubricants Air Transport	17008214	77008220	77308210
H001	17009010	Invent Ration	17009014	77009010	77309010
F023	17009030	Invent Water Bottle	17009034	77009030	77309030
E001	17011010	Invent Publication for Sale	17011014	77011010	77311010
E002	17012010	Invent Stamp for Sale	17012014	77012010	77312010
E003	17019010	Invent Liquor for Sale	17019014	77019010	77319010
A001	17021010	Invent Raw Material Construction	17021014	77021010	77321010
A005	17023010	Invent Raw Material Textile	17023014	77023010	77323010
A002	17026010	Invent Raw Material Printing	17026014	77026010	77326010
A003	17027010	Invent Raw Material Bottling	17027014	77027010	77327010
A004	17143050	Invent PreFab Unassembled	17143054	77143050	77443050
F001	17151010	Invent Office Equip	17151014	77151010	77451010
F002	17152010	Invent Furniture	17152014	77152010	77452010
F003	17156010	Invent Fixture	17156014	77156010	77456010
F026	17159010	Invent Library Reference Book Set	17159014	77159010	77459010
F004	17171010	Invent IT Equip End User	17171014	77171010	77471010
F005	17171020	Invent IT Equip Computer and Storage	17171024	77171020	77471020
F019	17171510	Invent Communication and Network Equip	17171514	77171510	77471510

Valuation Class	Inventory Account (current Asset)	Inventory Account GL description	Manual Reversal Account (Current Asset)	Consumption Account (Expenditure Account)	Impairment Account (Expenditure Account)
F018	17172010	Invent Audio Visual Equip	17172014	77172010	77472010
F006	17172510	Invent Medical Equip	17172514	77172510	77472510
F012	17173010	Invent Safety and Security Equip	17173014	77173010	77473010
F013	17173510	Invent Mine Detection and Clearing Equip	17173514	77173510	77473510
F014	17174010	Invent Accommodation and Refrigeration Equip	17174014	77174010	77474010
F008	17174510	Invent Printing Publishing and Conf Equip	17174514	77174510	77474510
F007	17175010	Invent Engineering Machinery Equip	17175014	77175010	77475010
F009	17176010	Invent Water Treatment and Fuel Distribution	17176014	77176010	77476010
F010	17177010	Invent Ground Transport Equip	17177014	77177010	77477010
F011	17177510	Invent Air Transport Equip	17177514	77177510	77477510
F024	17178010	Invent Marine Transport Equip	17178014	77178010	77478010

\* As at November 2015.