Valuation of Materials using FIFO Method



Applies to:

4.7EE, ECC 6.0 For more information, visit the Enterprise Resource Planning homepage.

Summary

This article explains the Configuration and Process steps involved in valuating inventory at the period end.

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Introduction

In Majority of the cases business entities consumes or issues Materials randomly to production (except in cases where expiry dates are monitored strictly) and at the period end the inventory is valuated by taking the physical stock in hand and arriving at the purchase cost of these inventories.

This is applicable for cases where business follows Moving average price for their materials.

If you don't use FIFO method at the period end then the moving average price of the inventory may not be reflecting a correct value which can effect the "True and Fair" concept when preparing the balance sheet.

Objective

The objective of this article is to explain the configuration related activities to be maintained, Master data activities and the business process.

Business Requirement

To value inventory on a FIFO method when using moving average price as the price control in the material master.

Solution/Approach

This is broadly divided and discussed as

- Configuration Related Activity
- Master Data Related Activity
- Business Process

Configuration Related activities

Activate/Deactivate LIFO/FIFO Valuation

Use

In this step, you define whether you want to use LIFO valuation or FIFO valuation in your company.

You can use a combination of both procedures.

Activities

Activate LIFO or FIFO valuation.

Recommendation

It is recommended to activate LIFO and FIFO valuation, irrespective of which procedure you want to use while doing valuation at period end.

Procedure

Access the activity using one of the following navigation options:

IMG Menu	SPRO→ Materials Management→ Valuation and Account Assignment→ Balance Sheet Valuation Procedures Configure LIFO/FIFO Methods→ General Information→ Activate/Deactivate LIFO/FIFO Valuation	
Transaction Code	OMWE	
User Action And Values	Activate the required Area.	
	This will not generate any request as it impacts other functions.	
	Maintain the Customizing function manually in each of the target systems.	
	Activate LIFO/FIFO valuation	
	LIFO valuation active	
	O LIFO valuation not active	
	FIFO valuation active	
	O FIFO valuation not active	
Result	LIFO/FIFO Valuation activated.	

Define LIFO/FIFO Valuation Levels

Use

In this step, you define whether you perform LIFO/FIFO valuation at **company code** level or at **valuation area** level.

You can set this separately for LIFO valuation and FIFO valuation.

Activities

Define the valuation level for LIFO and FIFO valuation.

Note: After you have defined the valuation level, you can no longer change it via the setting in Customizing. Changing the valuation level requires changing the database. If you want to change the valuation level, you have to call up a program that changes the data.

Procedure

Access the activity using one of the following navigation options:

IMG Menu	SPRO→ Materials Management→ Valuation and Account Assignment→ Balance Sheet Valuation Procedures Configure LIFO/FIFO Methods→ General Information→ Define LIFO/FIFO Valuation Levels	
Transaction Code	OMWL	
User Action And Values	Select the Setting that is appropriate to you.	
	Valuation area is at Plant or company code level which you set in transaction code OX14.	
	Mean receipt price at valuation area level	
Result	LIFO/FIFO Valuation Levels defined	

Define LIFO/FIFO Relevant Movement Types

Use

Here you define the relevant movement types which are to be considered by the system while doing the LIFO/FIFO valuation. All movement types selected by you as relevant are taken into account when the system determines the values.

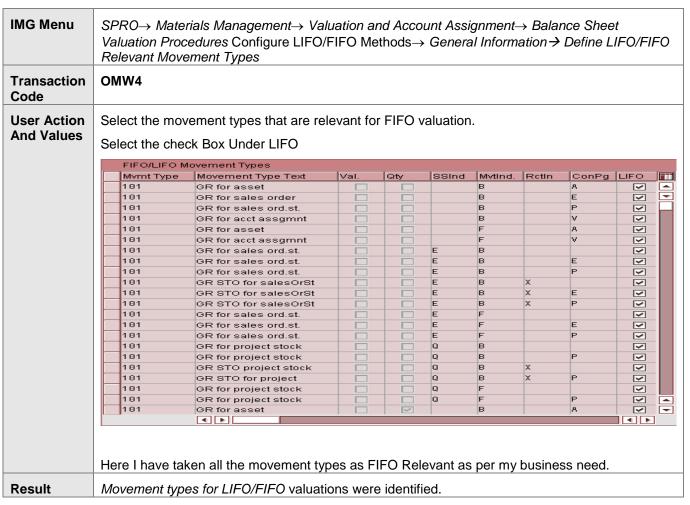
Activities

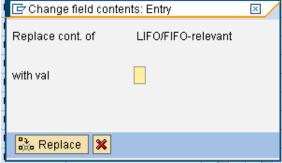
All the movement types are listed here by default with their properties. Select relevant movement types as per your business need and update with the value.

Procedure

Access the activity using one of the following navigation options:

Tip: Updating the LIFO check box for several selected items is tedious if you do one by one. After selecting the movement types, access Edit→Change field contents and the following popup will come.





Put X for all those which are relevant for LIFO/FIFO and select Replace



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Define LIFO/FIFO Methods

Use

Model 01 is currently the only one defined for FIFO valuation.

The part of a FIFO method that you can freely define consists of the following aspects:

 Is the value to be determined based on receipts aggregated on a monthly basis or based on single receipts?

The differences are explained in an example. If you are determining values on the basis of single receipts, you must generate a document extract prior to FIFO valuation.

- Which stock do you want to valuate using the FIFO method? You have the following options:
 - ❖ GJE End of the last fiscal year
 - ❖ VVM End of the posting period before last
 - ❖ VOM End of the last posting period
 - CUR Present

You can update the results of FIFO valuation in the database with reference to the FIFO method used as the basis. Once the results are updated, it is no longer possible to change the entry for the FIFO method affected in Customizing.

Procedure

Access the activity using one of the following navigation options:

IMG Menu Transaction Code	SPRO→ Materials Mandassignment→ Balance LIFO/FIFO Methods→ Methods OMWP	Sheet Valuation	Procedures Configure
User Action And Values	The following were defined		
	ZFIF00 01	✓	GJE
	ZFIF01 01		GJE
	ZFIF02 01	✓	CUR
	ZFIF03 01		CUR
	Procedure Model for Ba You can choose '01' - F GJE LIFO: Compare layer CUR LIFO: Compare layer to	IFO valuation of total w/ prev. y	individual materials rear; FIFO: prev. year
Result	Movement types for LIF	O/FIFO valuation	ns were identified.

Periodic Receipts - Single Receipts and FIFO Valuation Based on Period Receipts

Please refer to the following help link for a detailed understanding.

http://help.sap.com/saphelp_erp60_sp/helpdata/en/3f/ce913879c8cf29e10000009b38f889/frameset.htm

Configure FIFO Valuation Areas

Depending on the setting for the FIFO valuation level, the FIFO valuation area is either the **company code** or the **valuation area**.

The base year is the fiscal year during which FIFO valuation is run for the first time.

Activities

Enter all FIFO valuation areas that FIFO valuation is to be performed in. Specify a suitable base year for each one.

After this, it is no longer possible to change the entry for the FIFO method affected in Customizing.

Procedure

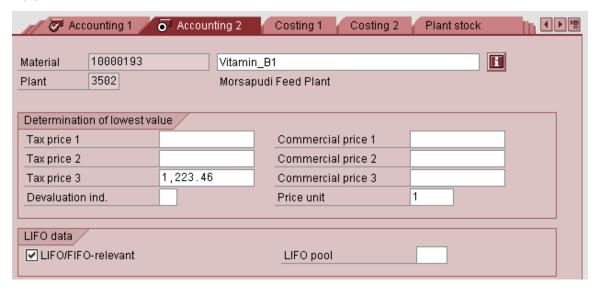
Access the activity using one of the following navigation options:

IMG Menu Transaction Code	SPRO→ Materials Management→ Valuation and Account Assignment→ Balance Sheet Valuation Procedures Configure LIFO/FIFO Methods→ Configure FIFO Valuation Areas OMWT		
User Action And Values	Assign All the company coneeds here. FIFO Valuation Level 1980 19	Des/plants as p	
Result	FIFO Valuation areas were	e maintained	

Master Data Related

Settings in material master

You need to select the material as LIFO/FIFO relevant in MM01 transaction in Accounting 2 tab under LIFO Data.

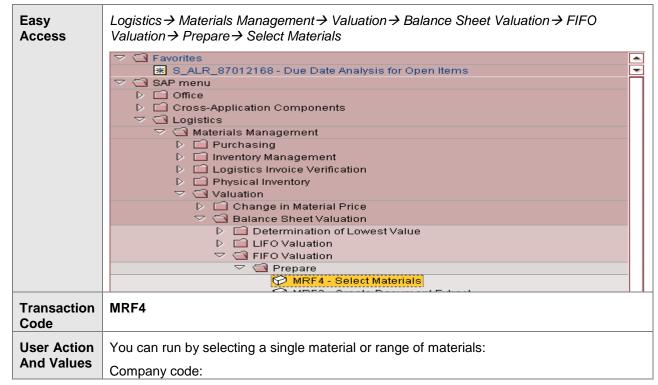


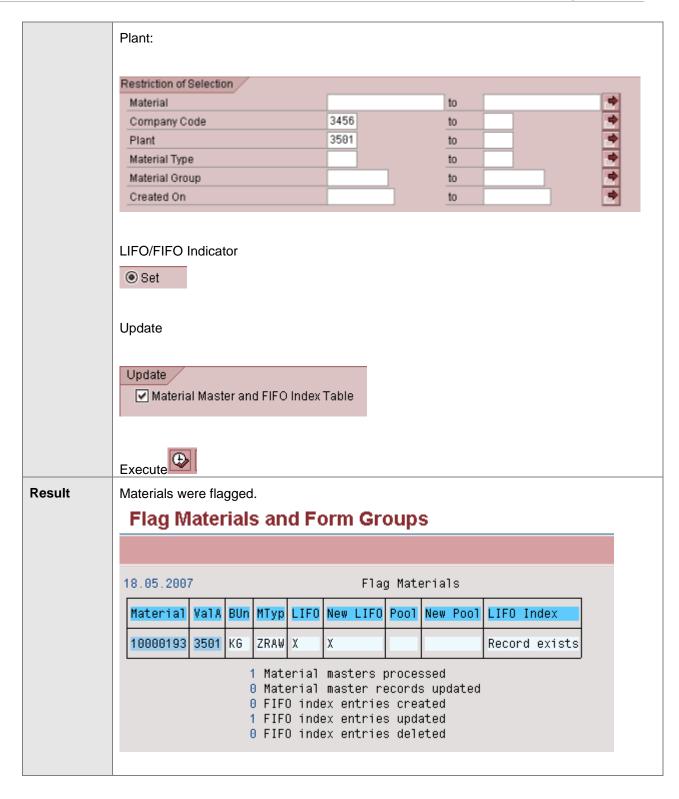
Business Process

At the period end when you want to run the FIFO valuation and update the Material Price, follw the following process.

Select Materials

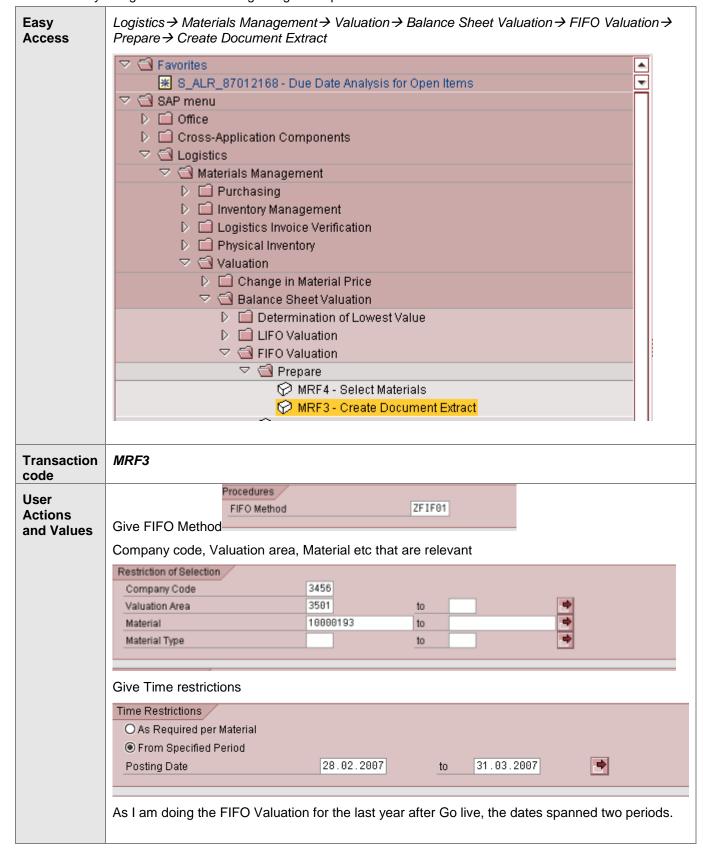
Access the activity using one of the following navigation options:

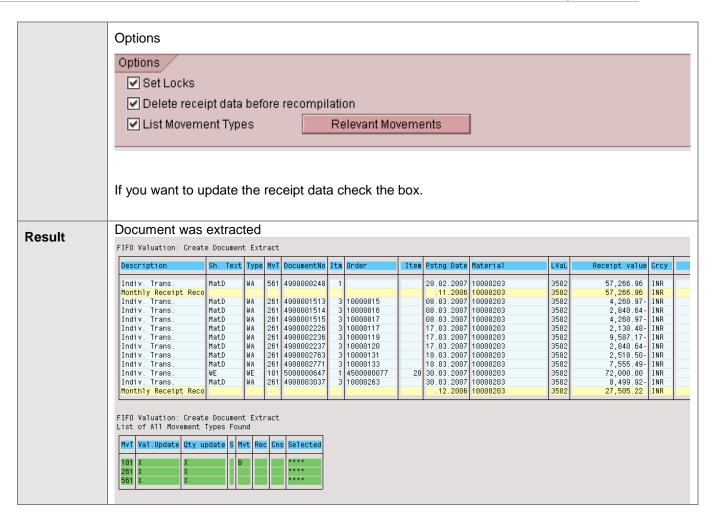




Create Document extract

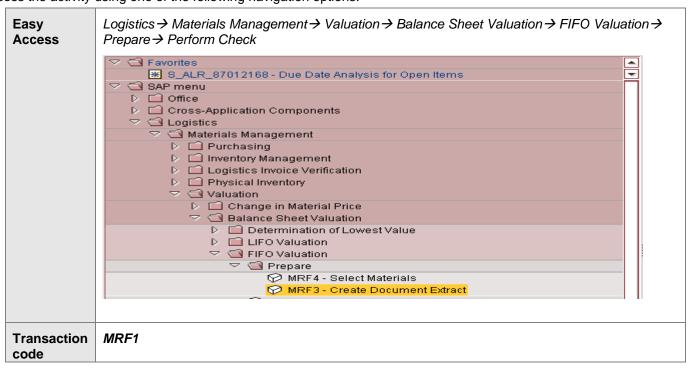
Access the activity using one of the following navigation options:



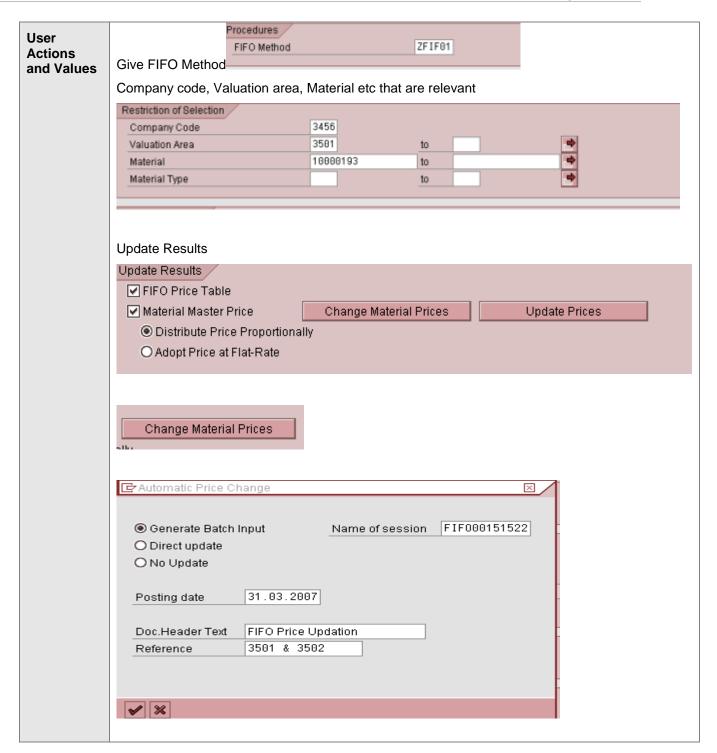


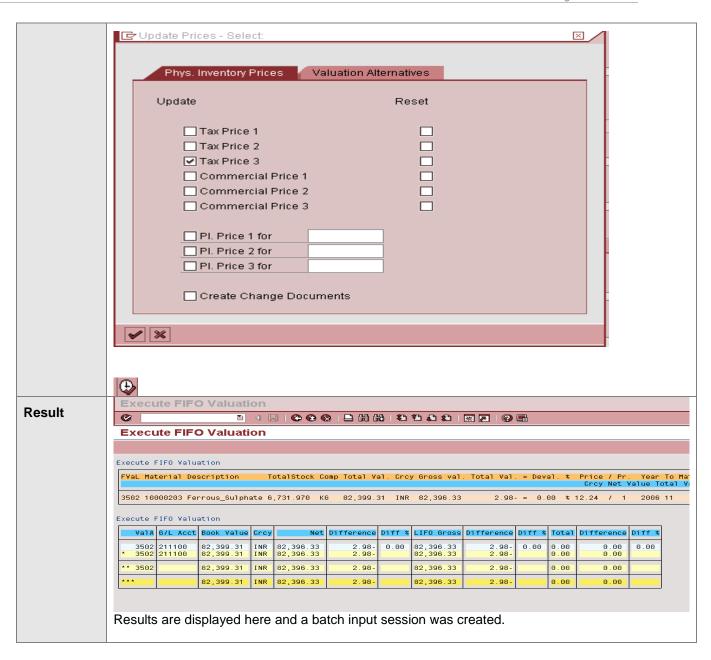
Perform Check

Access the activity using one of the following navigation options:



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Run Batch Input session

Access the activity using one of the following navigation options:

Transaction code	SM35
User Actions and Values	Process the session that was created.
Result	System posts the data. Check the documents via MR22 display document. The FIFO price is updated in Selected tax price3 feild after updation for future reference.

This will trigger MR22 transaction code and the MAP of the previous period is adjusted by a corresponding effect in Change in Inventory account.

For Example:

In case the MAP of Material as on 31.03.2010 is 250.00.

After running FIFO valuation the material Price is determined as 275.00

The quantity available as on 31.03.2010 is 100 nos.

Date of running the FIFO is 18.05.2010 effective 31.03.2010

After rumning the FIFO valuation the system passed an entry as followed on 31.03.2010

2500 Inventory account Dr (100 X 25 Rs.) Revaluation account Cr 2500 (100 X 25 Rs.)

(Account Assigned with account key **UMB** in OBYC)

The MAP is changed in Material Master with Rs. 275.00

The system also passes the following entry on 01.04.2007

The quantity available as on 18.05.2007 is 50 nos only.

As the 50 nos were consumed, the system passses the following entry.

Inventory account Cr 1250 {50 X 25 Rs.} 1250 {50 X 25 Rs.} Change in inventory Dr

For the remaining 50 qty the system need not pass any entry, as the MAP is revised and the consumption hits with the changed MAP.

Note: This document assumes that other related configuration is in place to do this activity.

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http://help.sap.com/saphelp_erp60_sp/helpdata/en/3f/ce913879c8cf29e10000009b38f889/frameset.http://help.sap.com/saphelp_47x200/helpdata/en/3f/ce913879c8cf29e10000009b38f889/frameset.htm

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