



Material Ledger Activation in S/4 HANA



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Material Ledger Activation in S/4 HANA

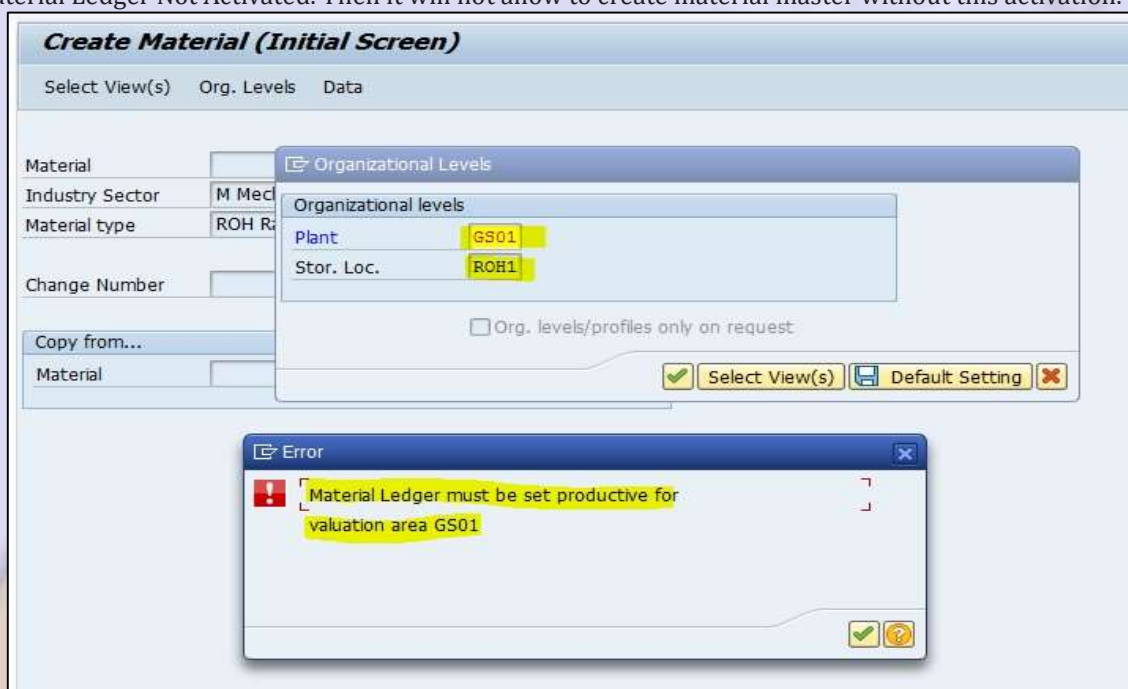
Material Ledger is a Tool that collects transaction data for materials whose master data is stored in material master. The material ledger uses this data to calculate prices to value these materials. The material ledger is the basis of actual costing.

Material Ledger in S4 HANA serves two purposes of Actual Costing & Parallel currencies/Valuation. The objective of parallel currencies or valuation makes the material ledger in S4 HANA as a sub-ledger for inventory valuation. To achieve this objective material ledger is a mandatory in SAP S4 HANA.

Material Ledger activation is Mandatory in S4 Hana Technically Not Functionally. But if we are not activating then we face the error while creating Material Master Data.

When we starting Creating Material Master Firstly in SAP S/4 Hana we are facing below error like Material Ledger must be set productive for valuation area GS01

For Example, we are Creating Material Master for Plant: - GS01 & Storage Location: - ROH1 for this Plant Material Ledger Not Activated. Then it will not allow to create material master without this activation.



Step by Step Procedure to Material Ledger Activation in S/4 HANA

Step 1:

Define Material Ledger Type by using T-Code:-OMX2

Enter T-Code in command field. Below screen opens.

Change View "Define material ledger type": Overview

New Entries

Dialog Structure	ML Type	CT from FI	CO CrCyTyp	Manual	Description
Define material ledger ty	9000	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	CrCy Type/Val. 10
Define individual char	9001	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Material Ledger for JSL
	9005	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	apple material
	9009	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	9000 Testing
	9101	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Abhi Apple
	9900	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	9997	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ML FOR DK
	9999	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ML FOR DK
	A010	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	A010 Mat ledger
	AGRI	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AGRIBUSINESS MATERIAL LED
	AK00	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ML : AK00
	ANHP	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ANHP C++

Click on New Entries you can create New ML type. Here 9000 is Standard ML Type.

Here we are using this for Plant: - GS01 for Material Ledger Activation.

Below is the Process of Creating ML Type for Reference only. It's a part of Controlling.

New Entries: Overview of Added Entries

New Entries

Dialog Structure	ML Type	CT from FI	CO CrCyTyp	Manual	Description
Define material ledger type	MMS2	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ML For MMS2
Define individual characteristics		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Enter Material Ledger type as per requirement here I am entering MMS2 which is same as my plant name. Save the Data.

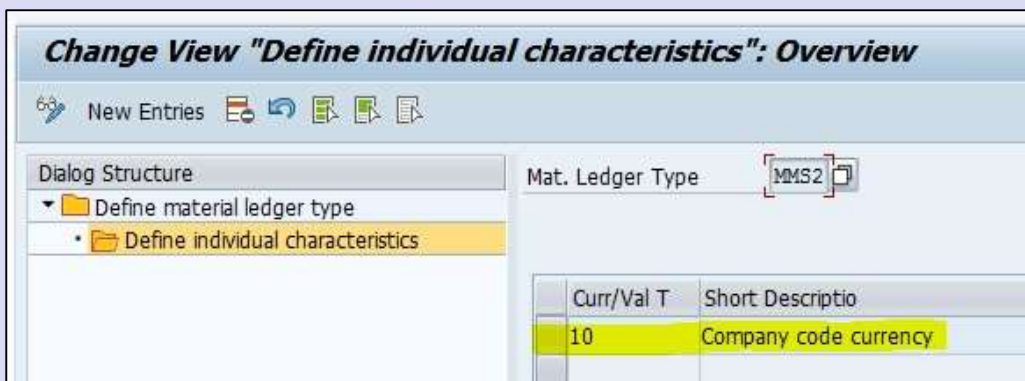
Select the ML type & Double Click on Define Individual Characteristics as shown below.

New Entries: Overview of Added Entries

New Entries

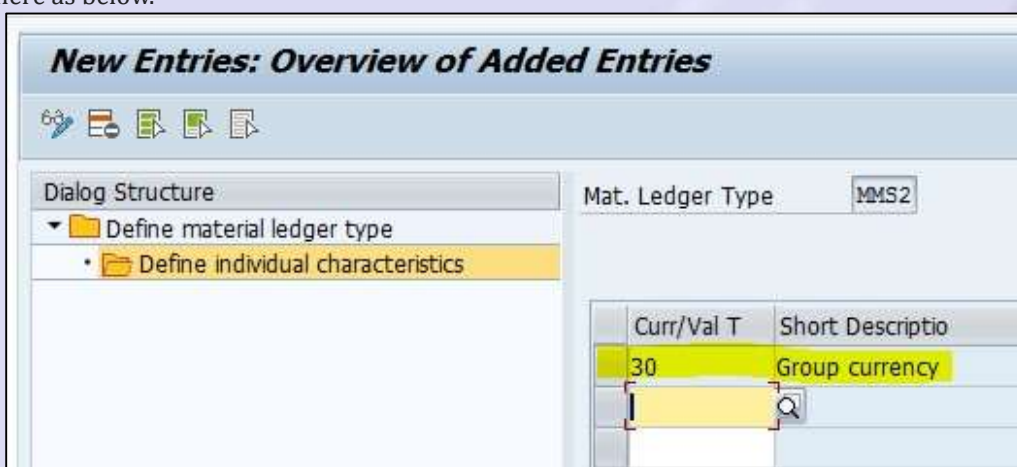
Dialog Structure	ML Type	CT from FI	CO CrCyTyp	Manual	Description
Define material ledger type	MMS2	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ML For MMS2
Define individual characteristics		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

By double click on this below screen opens.



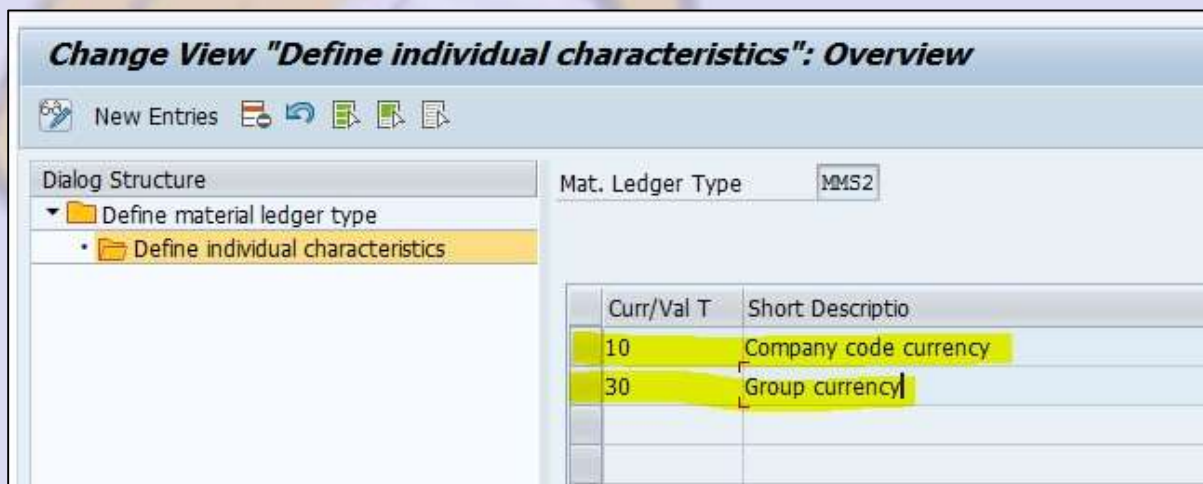
By default, it will take Company Code Currency as above shown.

If you want to your Material Ledger open for Multiple Currency you can add currency here by click on New Entries here as below.



Here we are adding Group Currency.

Save the data.



Like this we have multiple currency for ML here.


Like this we can Create ML Type but it's not our Part.



















Step 2:

Assignment of Material Ledger to Valuation Areas by using T-Code:-OMX3

Enter T-Code in Command field below screen opens.

Change View "Assignment of Material Ledger Types to Valuation Areas":












New Entries 

Valuation area	Company Code	Mat. ledger type	Status
0001	0001	9000	
0003	0003	9000	
0005	0005	9000	
001	100	9000	
0088		9000	
0909		ML09	
1001	8867	9000	
1013		9000	
1015	1014	9000	
1017		Z001	
1028		9000	
1034		9000	
1105	0006	9000	
1122		9000	
1134		9000	
119P		1951	
119R		1951	
119S		1951	

Position... Entry 1 of 627

Click on Position & Enter Valuation area as Plant.



Change View "Assignment of Material Ledger Types to Valuation Areas":

Valuation area	Company Code	Mat. ledger type	Status
0001	0001	9000	
0003	0003	9000	
0005	0005	9000	
0			
0			
0			
1			
1			
1			
1			
1028		9000	

Another entry

Valuation area

Sequence Number

Right Click on it below screen opens.

Change View "Assignment of Material Ledger Types to Valuation Areas":

New Entries

Valuation area	Company Code	Mat. ledger type	Status
GS01	6900	9000	<input checked="" type="checkbox"/>
GSPL		GSMI	<input checked="" type="checkbox"/>
GYC1	GYA1	9000	<input checked="" type="checkbox"/>

As above shown Assignment of Material Ledger Type to Valuation Area is done. If not, then enter the ML type here & Save the data.

Step 3:

Activation of Material Ledger by using T-Code:-OMX1

Enter T-Code in Command field below screen opens.

Change View "Activation of Material Ledger": Overview

Valuation Area	Company Code	Ma...	Status	ML Act.	Price Deter.	Price Det. Binding
0001	0001	9000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2	<input checked="" type="checkbox"/>
0003	0003	9000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2	<input type="checkbox"/>
0005	0005	9000	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
001	100	9000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2	<input type="checkbox"/>
0020	0019		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
0022	0019		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
0202	1402		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
0203	1402		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
1	1		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
1000	120		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
1001	8867	9000	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
1002	1005		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
1015	1014	9000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2	<input type="checkbox"/>
1101	2244		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>

Position... Entry 1 of 314

Click on Position. Enter Plant as Valuation Area.

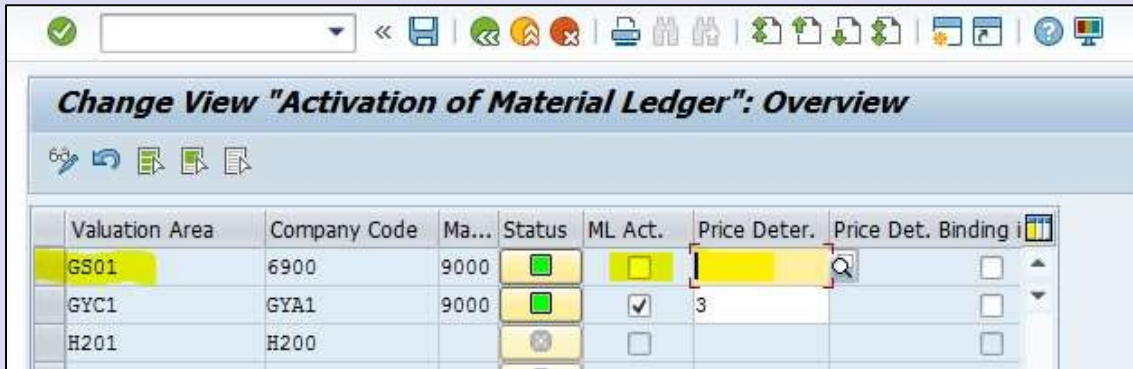
Change View "Activation of Material Ledger": Overview

Valuation Area	Company Code	Ma...	Status	ML Act.	Price Deter.	Price Det.
0001	0001	9000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2	
0003	0003	9000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2	
0005	0005	9000	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
0			<input type="checkbox"/>	<input checked="" type="checkbox"/>	2	
0			<input type="checkbox"/>	<input type="checkbox"/>		
0			<input type="checkbox"/>	<input type="checkbox"/>		
0			<input type="checkbox"/>	<input type="checkbox"/>		
0			<input type="checkbox"/>	<input type="checkbox"/>		
1			<input type="checkbox"/>	<input type="checkbox"/>		
1000	120		<input type="checkbox"/>	<input type="checkbox"/>		
1001	8867	9000	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

Another entry

Valuation area:

Tick on right mark. Below screen opens.



Activate ML by Click on it as below shown.



Save the data.




Click on Right tick. Data was saved.

Step 4:

Production Startup of Material Ledger by using T-Code: -CKMSTSRT


Enter the T-Code in Command Field below screen opens.

Production Startup of Mat. Ledger

Selection Options 

Plant: to

Parameters

Exchange Rate Type: 

Immediately After Period Chge.

Processing Options

Background Processing

Test Run

Parallel Processing

Server Group:

Package Size:

PO history

Master data + PO hist.(normal)


Master Data Only (Step 1)

PO History Only (Step 2)

Purchasing Document: to

Enter Plant here as above shown & Test Run for Checking Purpose. Execute.

Set Material Ledger as Productive (test run)

Technical Information 

Program Parameter Values
 Exchange Rate Category : M
 Background :
 Test Run : X
 Master data and PO history : X
 Master data only :
 PO history only :
 Following plants will be processed:
 Plant : GS01
 Currency in Material Ledger : INR Company Code Currency (Cur.type 10)
 The following valuation area will now be processed: GS01
 Step: Generate master data for stock materials
 Step: Generate master data for sales order materials
 Step: Generate master data for project material
 Step: creating master data for vendor materials
 Step: Order Conversion
 No data found in valuation area: GS01
 Step: Translate purchase order history
 Step: Set EKPO-MLMAA
 Plant can be set as productive

Plant GS01 can be set to productive for the material ledger

It shows No Error in Activation ML for Plant: - GS01

Production Startup of Mat. Ledger

Selection Options

Plant: to

Parameters

Exchange Rate Type:
 Immediately After Period Chge.

Processing Options

Background Processing
 Test Run

Parallel Processing

Server Group:
 Package Size:

PO history

Master data + PO hist.(normal)
 Master Data Only (Step 1)
 PO History Only (Step 2)

Purchasing Document: to

Remove this Test Run tick & Execute.

Set Material Ledger as Productive

Technical Information

Message Text

- Master data and PO history : X
- Master data only :
- PO history only :
- Following plants will be processed:
- Plant : GS01
- Currency in Material Ledger : INR Company Code Currency (Cur.type 10)
- Real MA Price Logic Activated
- ML Insert-only is activated
- The following valuation area will now be processed: GS01
- Step: Block materials in plant
- Step: Delete material ledger master data
- Step: Delete Production Order History in the Additional Currencies
- Step: Delete purchase order history in additional currencies
- Step: Save currencies
- Step: Generate master data for stock materials
- Step: Generate master data for sales order materials
- Step: Generate master data for project material
- Step: creating master data for vendor materials
- Step: Order Conversion
- No data found in valuation area: GS01
- Step: Translate purchase order history
- Step: Set EKPO-MLMAA
- Step: Save productive indicator
- Plant is now productive
- Step: Unlock materials in plant

Step: Unlock materials in plant

Now Material Ledger Set Productive for Plant: - GS01

Now Create Material Master by Using T-Code: - MM01

Enter T-Code in Command Field. Select basic view for Material Creation.

Create Material (Initial Screen)

Select View(s) Org. Levels Data

Material:

Industry Sector: M Mechanical Engineering

Material type: ROH Raw Material[STD]

Change Number:

Copy from...
Material:

Organizational Levels

Organizational levels

Plant:

Stor. Loc.:

Org. levels/profiles only on request

Select View(s) Default Setting

Enter Plant & Storage Location.

Create Material 47000608 (Raw Material[STD])

Additional Data Org. Levels Check Screen Data

Basic data 1 Basic data 2 Classification Sales: sales org. 1 Sales: sales or...

Material:

Descr.:

General Data

Base Unit of Measure: Material Group:

Old material number: Ext. Matl Group:

Division: Lab/Office:

Product allocation:

X-Plant Mat.Status: Valid from:

Assign effect. vals: GenItemCatGroup:

Material authorization group

Authorization Group:

Dimensions/EANs

Gross weight: Weight unit:

Net weight:

Volume: Volume unit:

Size/dimensions:

EAN/UPC: EAN category:

Now we are able to Create Material master in Plant: -GS01 as we are activated Material Ledger.

Enter All required details for Material Master & Create Material.

Material 47000608 created.

THANK YOU



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