Create Material Master – company code level

Covers process: 0211 create material

master

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EMEA Process Team

Our expertise your success

EVERY CONNECTION COUNTS





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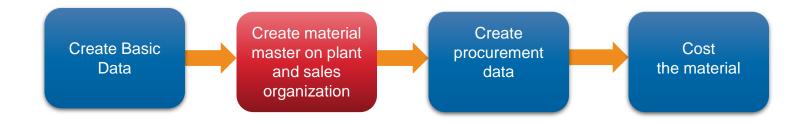
Executive Summary

This training gives an overview how to set up the material master on company code level, using the streamlined transactions

- ZCML create material master
- 2. <u>ZDML create default values</u>











Required Security

CMATXAXXXX Maintain Material MD (Production)

CMATXUXXXX Update Material MD (Production) - Restricted

FMATXAXXXX Maintain Material MD (Accounting)

KMATXAXXXX Maintain Material MD (Costing)

LMATXAXXXX Maintain Material MD (Warehouse)

QMATXAXXXX Maintain Material MD (Quality)

XMATXAXXXX Maintain Material MD (Plant Views)

XXXX stays for company level like CH1X for TESOG 1151 or DE1X for Germany 0406

Additional roles if <u>XMATXAXXXX</u> is **not** requested:

MMATXAXXXX Maintain Material MD (Purchasing)

VMATXAXXXX Maintain Material MD (Sales)

Create new materials via **ZCML**

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ZCML Overview & Purpose

Transaction for creating material master logistics views with a streamlined process.

Value proposals gathered from

- Tyco Electronics Data warehouse (TED),
- Transfer Pricing Excellence database (TPEX),
- Material Master Default Values custom table (ZMMDEFAULT),
- User Parameters (PIDs) and
- MRP Profiles

User can review and modify the proposed values within a single screen.

Standard MM01 transaction is called in the background to create the Material Master views.



=TE

ZCML Initial Screen

Material number

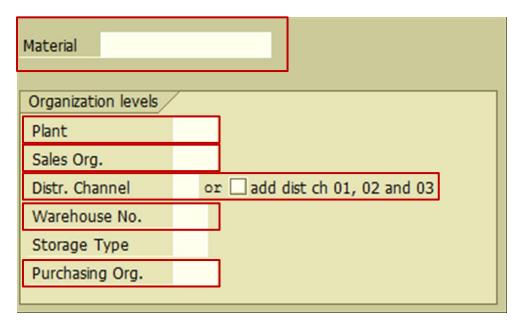
Plant ID to create views like

- Sales Plant and Foreign views
- Purchasing view
- MRP views
- Costing / Accounting views
- Storage / Warehouse views

Sales Org and Distr. Channel to create Sales Org views

Warehouse No. to assign a warehouse number to a material

Purchasing Org. to assign purchasing organization for external procured materials







ZCML Initial Screen

You can copy

- defaults from an existing MRP profile
- data from an existing material number



Copy from	
Material	
Copy from	
Plant	
Sales Org.	
Distr. Channel	
Warehouse No.	
Storage Type	



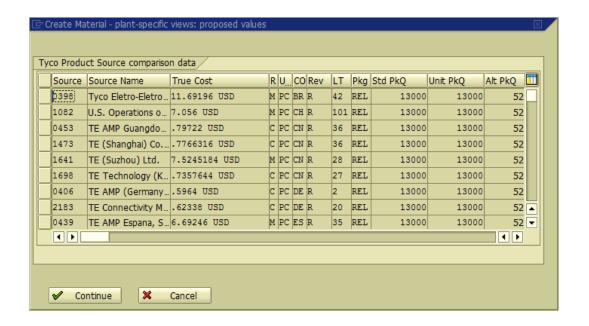


ZCML Source Selection

If the new product can be sourced by several interco suppliers available on TPEX you will be requested to select one source from the list.

Once you selected a source from the list some data like MOQ, lead times, costs, etc. will be populated on the next screen automatically.

If only 1 source available, pop-up screen is not shown and data is immediately used.





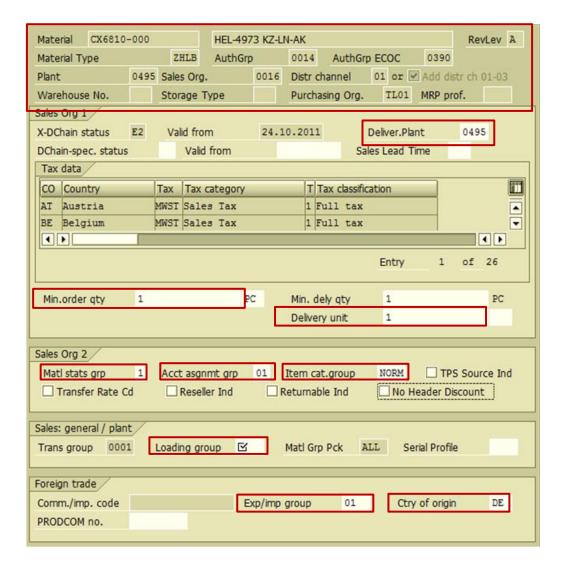


ZCML Sales Data

Material and company data from initial screen

Enter the required data

- some data could be already filed in
- » verify them



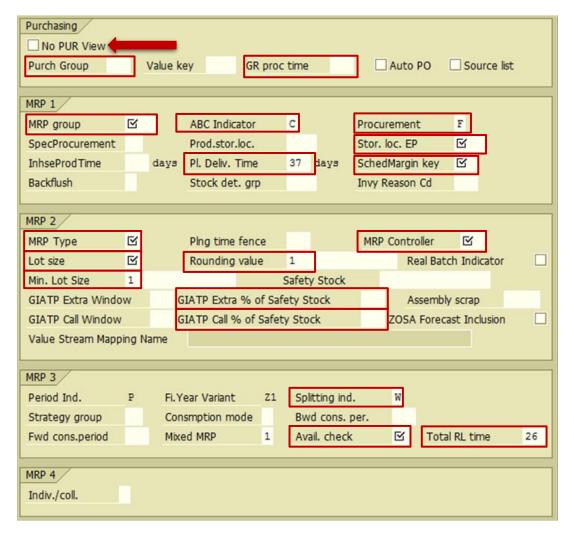




ZCML Purchasing & MRP Data

Enter the required data

- some data could be already filed in
- » verify them
- Purchasing
 - No PUR View: by putting flag into it no purchasing views will be created
- MRP1
- MRP2
 - GIATP values 100
- MRP3







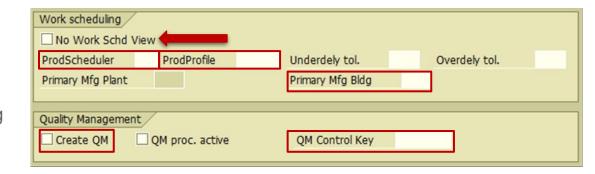
ZCML Work Scheduling & Quality Data

Enter the required data

some data could be already filed in

» verify them

- Work scheduling for in-house produced parts
 - For F parts it is recommended to flag "No Work Schd View"
 - If work scheduling view needs to be created the field "Primary Mfg Bldg" needs to be maintained
- Quality
 - If quality is required put flag



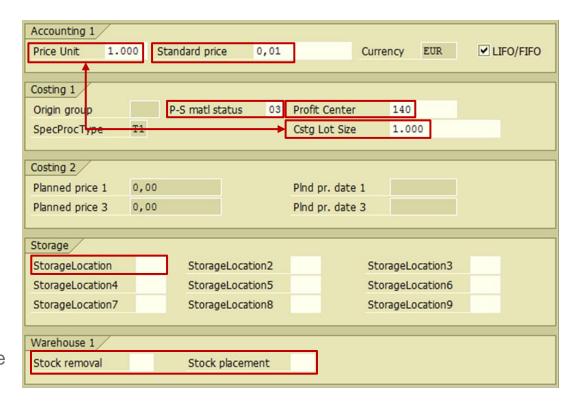




ZCML Accounting & Costing Data

Enter the required data

- some data could be already filed in
- » verify them
- Accounting 1
- Costing 1
 - P-S matl status set to 03
 - after material costing has to be removed
 - Cstg Lot Size needs to be in synch with "Price Unit"
- Storage Location
 - Enter all storage locations which need to be created for material
 - At least storage locations entered on MRP1 have to be entered here
- Warehouse 1 if required







ZCML – create material master

DEMO



Defaulting ZCML values via ZDML

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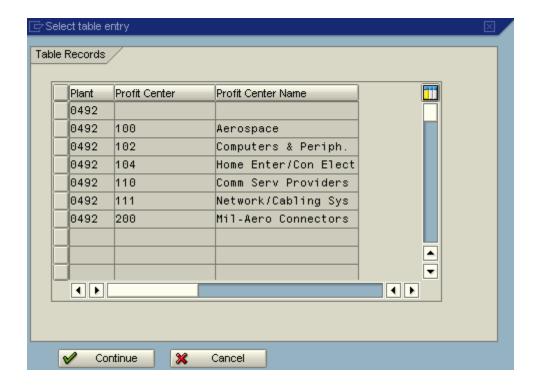


ZDML Overview & Purpose

Custom transaction for maintaining material master default values.

Default values proposed on the data entry screen of the ZCML transaction.

The keys to the default value records are Plant and Profit Center.

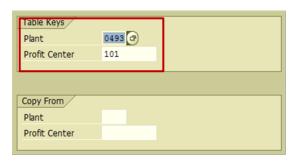


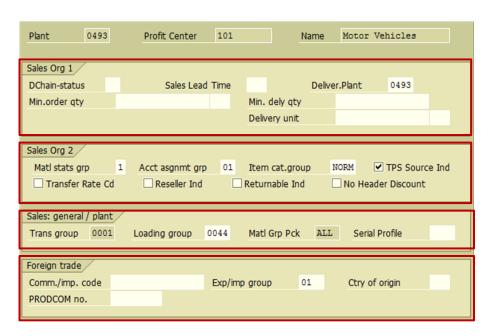




Enter plant id and profit center id

- You can maintain default values for
 - Sales Org Views 1 & 2
 - Sales Plant Views
 - Foreign Trade

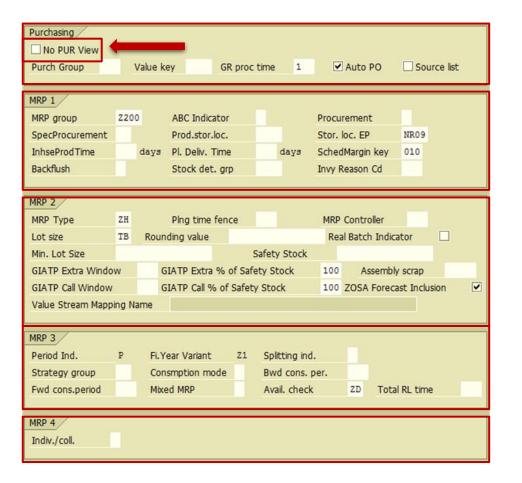








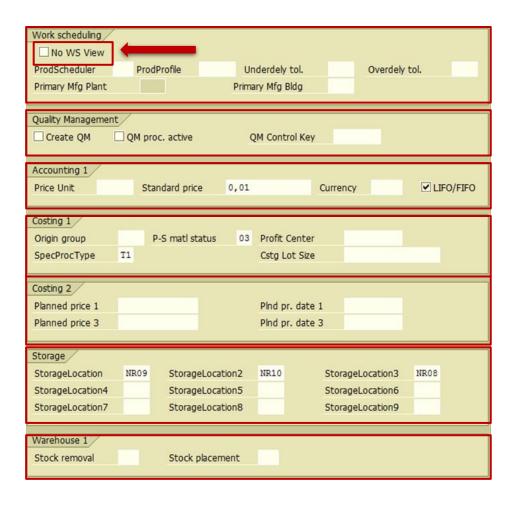
- You can maintain default values for
 - Purchasing View
 - Flag would deactivate Purchasing View creation
 - MRP1
 - MRP2
 - MRP3
 - MRP4







- You can maintain default values for
 - Work Scheduling
 - Flag would deactivate Work Scheduling View creation
 - Quality Management
 - Accounting 1
 - Costing 1 & 2
 - Storage
 - Warehouse 1







ZDML default values vs TPEX data

During the creation of new material for interco relationship TPEX data are retrieved for certain fields like MOQ, lead times, costs, standard pack sizes, etc.

TPEX values will overwrite the default values defined by MRP profile.

When TPEX values are zero or do not exist ZDML values will be copied into ZCML screen.





DEMO



Defaulting ZCML MRP values via MRP profile

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MRP profile overview

MRP profile provides the ability to default values for MRP views and purchasing group to be used during the initial material master setup.

MRP profile can be maintained via

- MMD1 initial setup
- MMD2 change existing
- MMD3 review
- MMD6 delete MRP profile

MRP profile is 4 characters and is global usable.





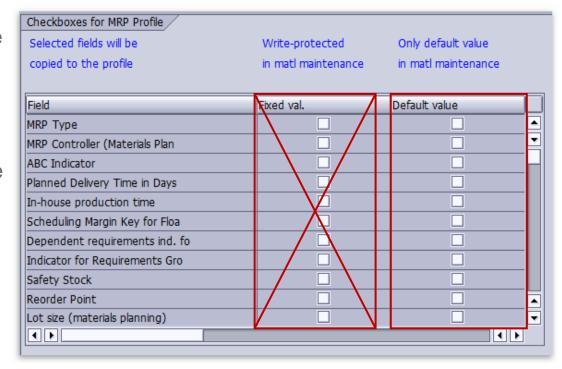
MRP profile overview

All SAP standard MRP fields can be defaulted via MRP profile by activation of the check box in column "Default value".

Defined values will be defaulted into material master when MRP profile will be used during initial material master setup and can be changed afterwards.

It is NOT recommended to use check boxes in column "Fixed Val."

The values will be referenced into material master fields and cannot be changed on material master but only on MRP profile.





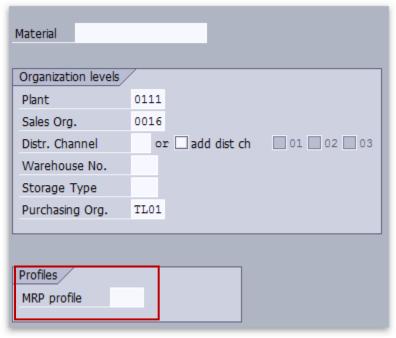


Use MRP profile during ZCML initial material creation

If you create new material via ZCML the MPR profile can be entered into the field "MRP profile".

Using MRP profile to default values during ZCML material master creation following logic applies:

- When TPEX value is greater than zero, copy the TPEX value
- When TPEX is zero use MRP profile value.
- When MRP profile value is blank use ZDML value.



Copy existing values from another material

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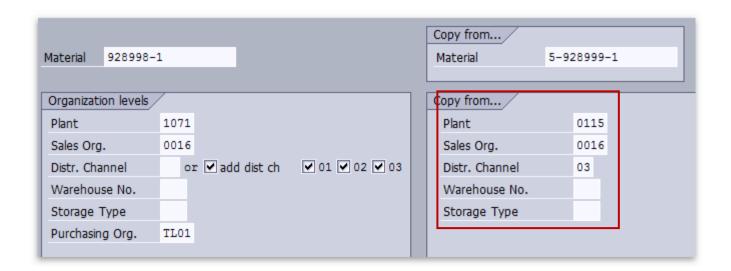


Copy values from an existing materials

Creating a new material the values can be copied from another existing material.

Data to be copied from can be specified:

- From the same company org level, plant, sales org.
- From different company org level, plant, sales org.







Copy values from an existing materials

By copying values from an existing materials keep in mind:

- Data are copied from the source plant, sales org.
- Data might not be appropriate for the plant to be copied to.
- You have to review the values on ZCML screen and updated accordingly.
- Quite risky that materials will be setup with wrong master data.





Troubleshooting

Contacts:

- Kris Dekiere (kris.dekiere@te.com, phone ++32475350066)
- Walter Fix (<u>wfix@te.com</u>, phone +491735809210)
- Your local key user or business unit <u>key user</u>

If you see scope for improvement in this document please complete a request to submit to EMEA process team.





Glossary

MRP Material Requirements Planning

MOQ Minimum Order Quantity

TPEX Transfer Pricing Excellence (replacement of TPS Tyco Product Source)





System Configuration

None





Change index

23 Aug 2021: WF new document template applied.

29 Sept 2020: WF new ppt template applied; p.5 required material master security roles.

23 may 2016: WF p.20 ZDML values vs TPEX, p.22 – 25 Defaulting ZCML MRP values via MRP profile, p.28 – 29 Copy existing values from another material.

5 apr 2016: WF new training document template, p.5 ZCML Overview & Purpose, p.13 ZDML Overview & Purpose, p.7 TPS replaced by TPEX

12 nov 2012: Kde Initinal release