

# MATERIAL MASTER DATA CONFIGURATION

In SAP MM, material master data refer to all the material master records, which are stored in SAP system. The material master is the central source of information for a material related to several application area (Purchasing, storage, accounting, sales, etc) based on material type. In SAP MM, material master data is maintained at plant level and accounting information is maintained at valuation area level. The valuation area is an organization level at which material are valued. The valuation area can be a Plant or Company level.

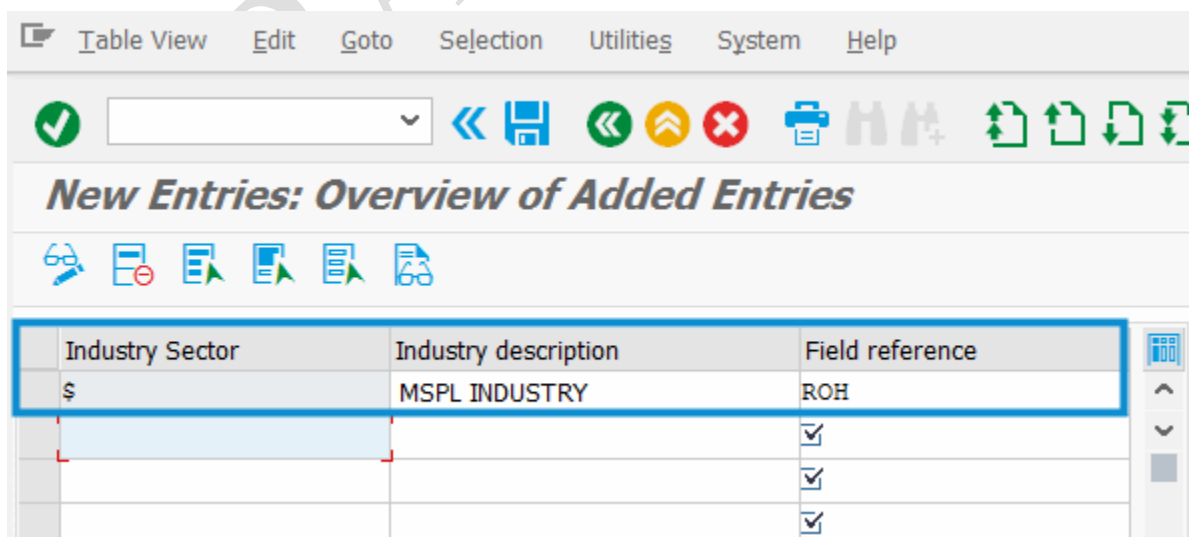
## DEFINE INDUSTRIAL SECTOR:

Industry sector is mainly for type of industry that material belongs to and under which industry we need to maintain this material in Material master (Organization master data). Industry sectors controls sequences of screen and selection of fields in a material master data.

- Industry sector: Mechanical, Chemical, Electrical, IT, Electronics, Civil

Once an industry sector is successfully assigned to material in SAP, users will not be allowed to modify or change the industry sector in the future.

**IMG -> Logistics – General -> Material Master -> Field Selections -> Define Industry Sector(OSM3)**



The screenshot displays the SAP OSM3 transaction interface. At the top, there is a menu bar with options: Table View, Edit, Goto, Selection, Utilities, System, and Help. Below the menu bar is a toolbar with various icons, including a green checkmark, a dropdown menu, and several navigation and action icons. The main area is titled "New Entries: Overview of Added Entries". Below this title is a table with three columns: Industry Sector, Industry description, and Field reference. The first row of the table is highlighted with a blue border and contains the following data: Industry Sector: \$, Industry description: MSPL INDUSTRY, and Field reference: ROH. Below this row, there are three more rows, each with a checkmark in the Field reference column.

Industry Sector	Industry description	Field reference
\$	MSPL INDUSTRY	ROH
		✓
		✓
		✓

## DEFINE MATERIAL TYPE:

The materials having common features are grouped under one group and assigned to a material type, for example raw materials are group together under ROH group.

**SPRO > IMG > Logistics – General > Material Master > Basic Settings > Material Type > Define attributes of material types (OMS2)**

**Material Type :** – Enter the new key that you like to create new material type in SAP.

**Description :** – Update the description text of material type.

**General data :** – Under this field update the required details for Field reference, SRef material type, Item category group and check the option for external no assignment w/o check, with Qty structure.

**Special material types :** – Choose the options as per requirements

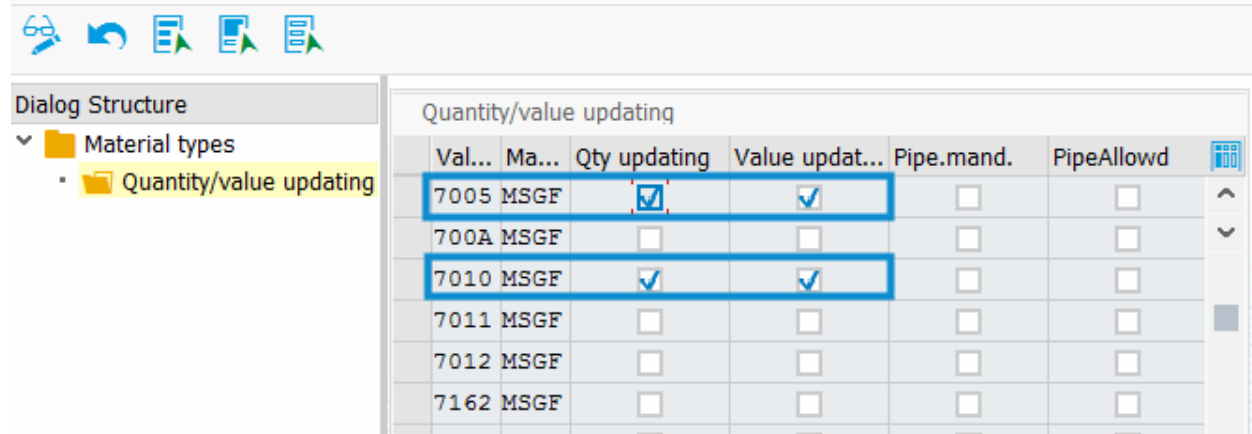
**User departments :** – Choose the required departments for material types like work scheduling, accounting, classification, MRP, purchasing, basic data, storage, etc.

**Internal/external purchase order :** – update the values for internal purchase order and external purchase orders.

**Valuation :** – Under this field update the price control (moving average price or standard price) and account category reference.







Now choose the created material type MSGF and click on quantity /value updating option. On change view quantity/value updating overview screen, check the options of quantity updating and value updating for valuation area.

### *Change View "Quantity/value updating": Overview*



Val...	Ma...	Qty updating	Value updat...	Pipe.mand.	PipeAllowd
7005 MSGF		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
700A MSGF		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7010 MSGF		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7011 MSGF		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7012 MSGF		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7162 MSGF		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7163 MSGF		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## Change View "Material types": Details of Selected Set

Material type	MSGF	MSPL FINISHED GOODS	Product Type Group	
<b>General data</b>				
Field reference	FERT	X-Plant Mat.Status		
SRef: material type	ROH	Item category group	NORM	
Authorization group		With Qty Structure	<input checked="" type="checkbox"/>	
External no. assignment w/o check	<input checked="" type="checkbox"/>	Initial Status	<input checked="" type="checkbox"/>	
<b>Special material types</b>		<b>User departments</b>		
Material is configurable	<input type="checkbox"/>	Status description 		
Material f. process	<input type="checkbox"/>	Work scheduling 		
Pipeline mandatory	<input type="checkbox"/>	Accounting 		
Mand. RP logistics	<input type="checkbox"/>	Classification 		
Manufacturer part	<input type="checkbox"/>	MRP		
FFF Class	<input type="checkbox"/>	Purchasing		
<b>Internal/external purchase orders</b>		Production resources/tools		
Ext. Purchase Orders	2	Costing		
Int. purchase orders	0	Basic data		
<b>Classification</b>		Storage 		
Class type		Forecasting 		
Class				
<b>Valuation</b>				
Price control	V Moving average price/periodic unit price			
Acct cat. reference	0009	Price Ctrl.Mandatory	<input checked="" type="checkbox"/>	

MATERIAL	TYPE DETAILS
ROH	RAW MATERIAL
HALB	SEMI FINISHED MATERIAL
FERT	FINISH MATERIAL
UNBW	NON-VALUATED MATERIAL
NLAG	NON-STOCK MATERIAL
VERP	PACKAGING MATERIAL
PIPE	PIPELINE MATERIAL
ERSA	SPARE PART MATERIAL

## MAINTAIN NUMBER RANGES FOR MATERIAL TYPE:

Each material in the material master must contains material numbers except for services, so we need to define the material number ranges as per the material type.

We have 2 types of number ranges.

Internal


External

**Internal:** where internal numbers will be given by the system, but we need to define the number range like series of number eg:1000100-1000500

**External number range:** External numbers are two types one is you should define the number range which can be Alpha-numerical or Alphabetic.

**SPRO > IMG > Logistics – General > Material Master > Basic settings > Material types > Define number ranges for material type (MMNR)**

*Edit Intervals: Material master, Object MATERIALNR*



Group

Object MATERIALNR

Ranges				
No	From No.	To Number	NR Status	Ext
AB	2500000000000003501	2599999999999999999	5000003009	<input type="checkbox"/>

## CREATE MATERIAL GROUP:

Material groups are defined at client level, you can define material groups in SAP to differentiate the various materials. For example, an electronic manufacturing organization can classify computers as desktops, televisions as electronics, speakers as sound systems, etc. Each classification has its own individual group.

Material which are having same characteristics are grouped together and assign to a material group in SAP. It is not a control function like material type, where the material groups are used to generate the reports.

**SPRO > IMG > logisitics – General > Material Master > Settings key for Fields > Define Material groups (OMSF)**

### *New Entries: Overview of Added Entries*



Matl Group	Material Group Desc.	AGrp	D...	Description 2 for the Material Group
HP	HAND PROTECTION			

Material

Edit

Goto

Defaults

System

Help

✓

MM01

⏪

💾

⏩

⬅

➡

✖

🖨

👤



🔄

👤

### Create Material (Initial Screen)

Select View(s)	Org. Levels	Data
Material		
Industry Sector	\$ MSPL INDUSTRY	▼
Material type	MSGF MSPL FINISHED GOODS	👤

## Display Material 5000003010 (MSPL FINISHED GOODS)

  Additional Data Org. Levels

Basic data 1

Basic data 2

Ext. SPP Basic Data

Purchasing

Intl Trade: Import

Material 5000003010  
Descr. Valpro Warrior Rubber

### General Data

Base Unit of Measure	EA	each	Material Group	HP
Old material number			Ext. Matl Group	
Division			Lab/Office	
Product allocation			Prod.hierarchy	
X-Plant Mat.Status			Valid from	
Assign effect. vals	<input type="checkbox"/>		GenItemCatGroup	NORM Standard item

### Material authorization group

Authorization Group

## MARA: Display of Entries Found



Search in Table MARA General Material Data  
Number of hits 1  
Runtime 00:00:01 Maximum no. of hits 500

Insert Column

Material	Created On	Crea. time	Created	Last Change	Change	Maint.stat	Status	Cl	MTyp	I	Matl Group	Matl no.	Unit
5000003010	28.07.2022	01:08:54	S4H_MM6	28.07.2022	S4H_MM6	KEB	KEB		MSGF	\$	HP		EA

Search in Table MAKT Material Descriptions  
Number of hits 1  
Runtime 0 Maximum no. of hits 500

Insert Column

Material	Language	Material description	Material description
5000003010	EN	Valpro Warrior Rubber	VALPRO WARRIOR RUBBER

Insert Column[illegible]

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