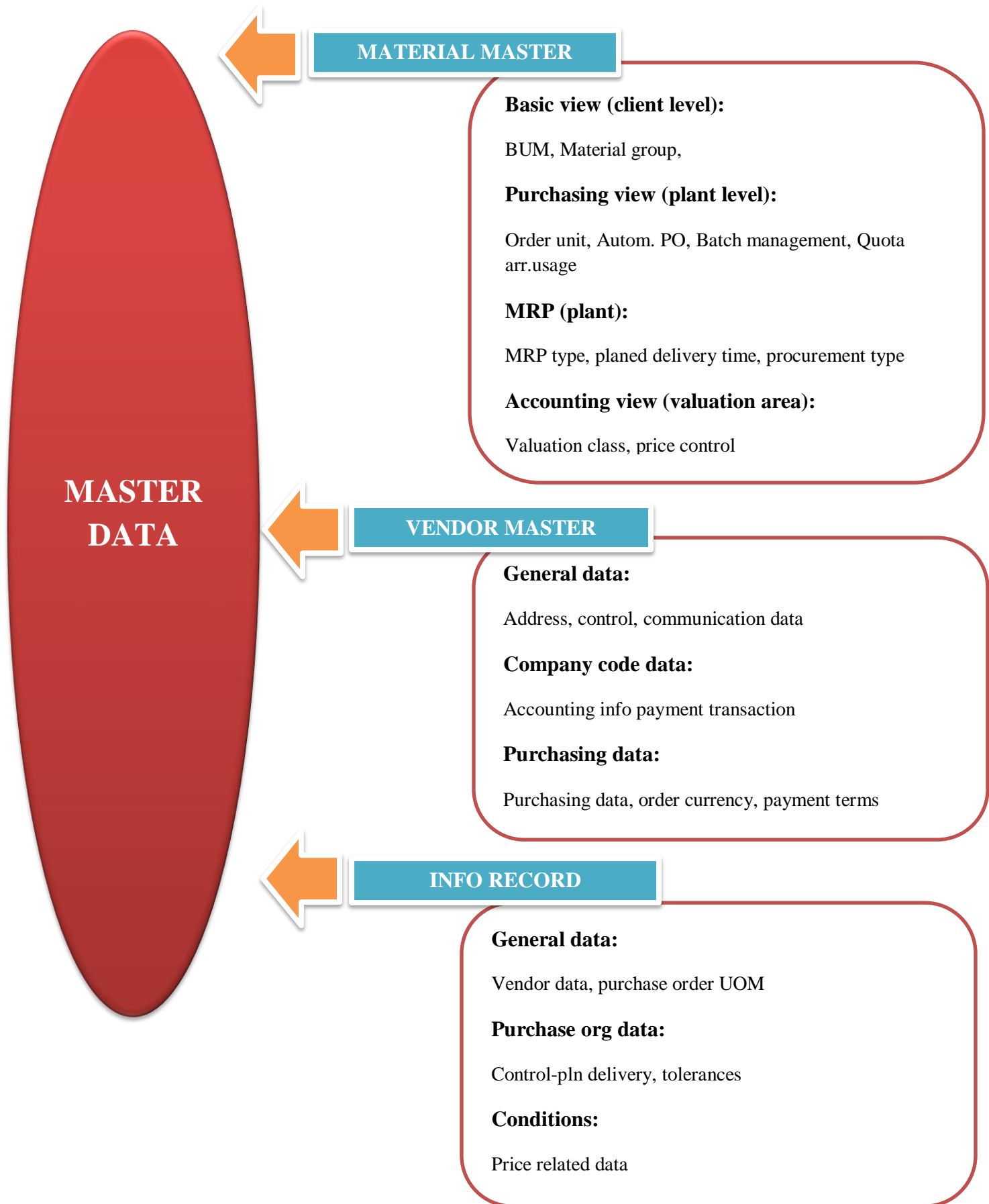


Master data



Master data

Data that is created centrally, and is valid for all applications. It remains constant over time but we need to update it on a regular basis. For example: Vendor is a type of master data that is used for creating purchase orders or contracts.

SAP Master Data is of the following two types –

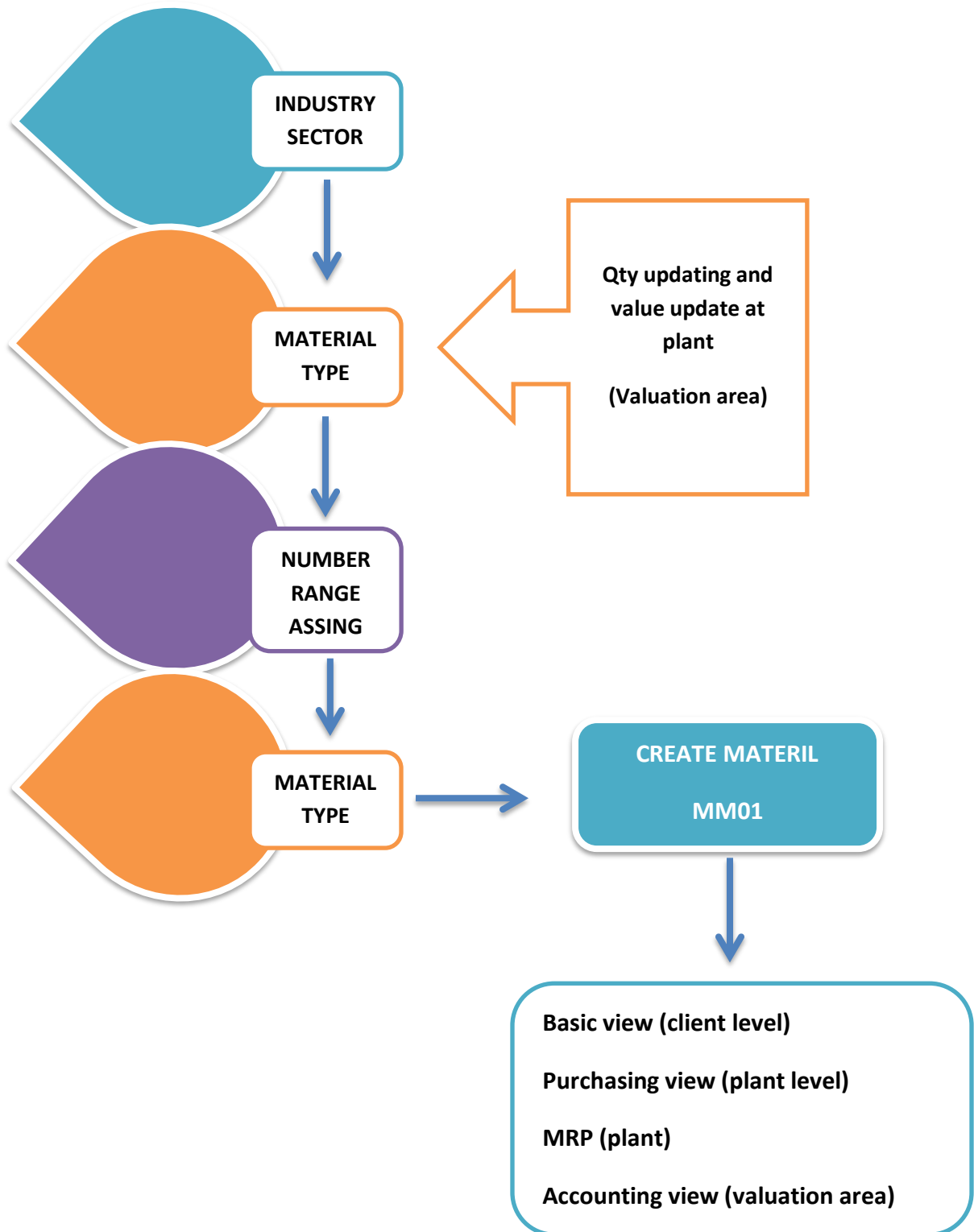
- Material Master Data
- Vendor Master Data

Material Master Data

This is the enterprise main source of material-specific data. This data will include information on the materials that a company can procure, produce, store, or sell.

- **Main Data** – this will include basic data (base unit of measure, weight), purchasing data (over tolerance and under tolerance), accounting data (standard price, moving price).
- **Additional Data** – this will include additional information like short description about material, currency etc.

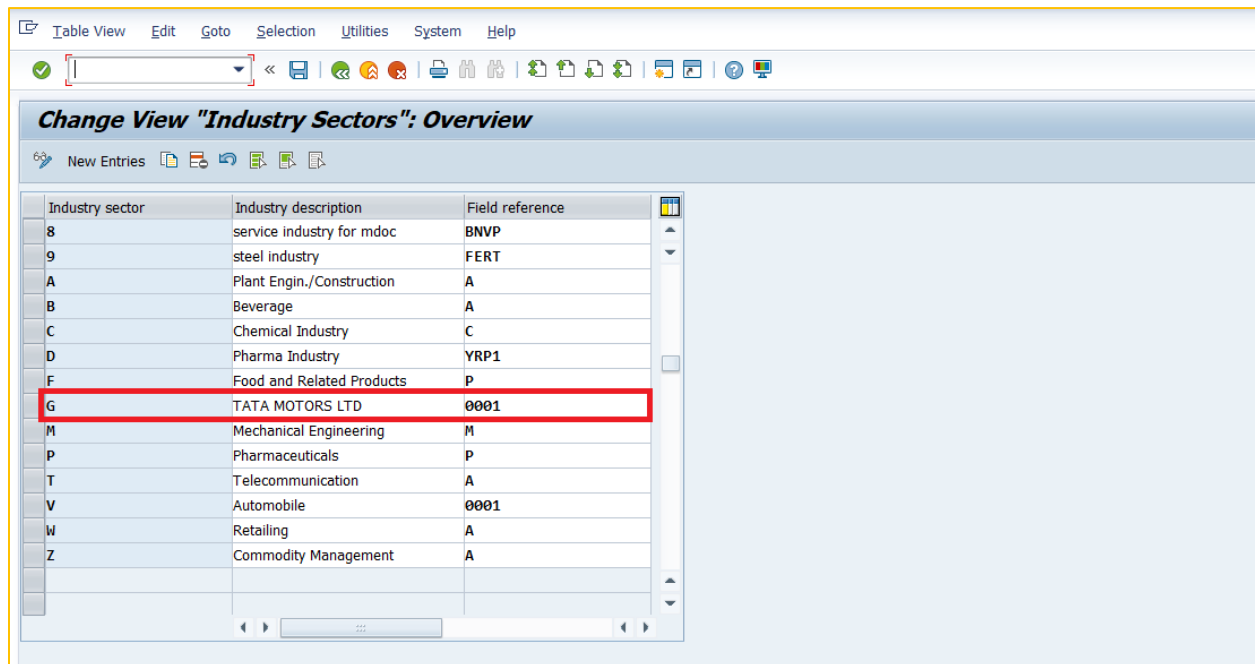
Material Master Data



Industry Sector:

Industry Sector means those firms that produce similar products or provide similar services using somewhat similar business processes.

PATH: SPRO – SAP reference IMG – Logistic general - Material master - filed selection – define industry sector and industry sector specific filed selection.



The screenshot displays the SAP SPRO transaction for defining industry sectors. The title bar shows 'Change View "Industry Sectors": Overview'. Below the title bar, there is a toolbar with icons for 'New Entries', 'List', 'Print', 'Refresh', 'Find', 'Save', 'Cancel', 'Help', and 'System'. The main area contains a table with three columns: 'Industry sector', 'Industry description', and 'Field reference'. The table lists various industry sectors, with the row for 'G TATA MOTORS LTD 0001' highlighted in red.

Industry sector	Industry description	Field reference
8	service industry for mdoc	BNVP
9	steel industry	FERT
A	Plant Engin./Construction	A
B	Beverage	A
C	Chemical Industry	C
D	Pharma Industry	YRP1
F	Food and Related Products	P
G	TATA MOTORS LTD	0001
M	Mechanical Engineering	M
P	Pharmaceuticals	P
T	Telecommunication	A
V	Automobile	0001
W	Retailing	A
Z	Commodity Management	A

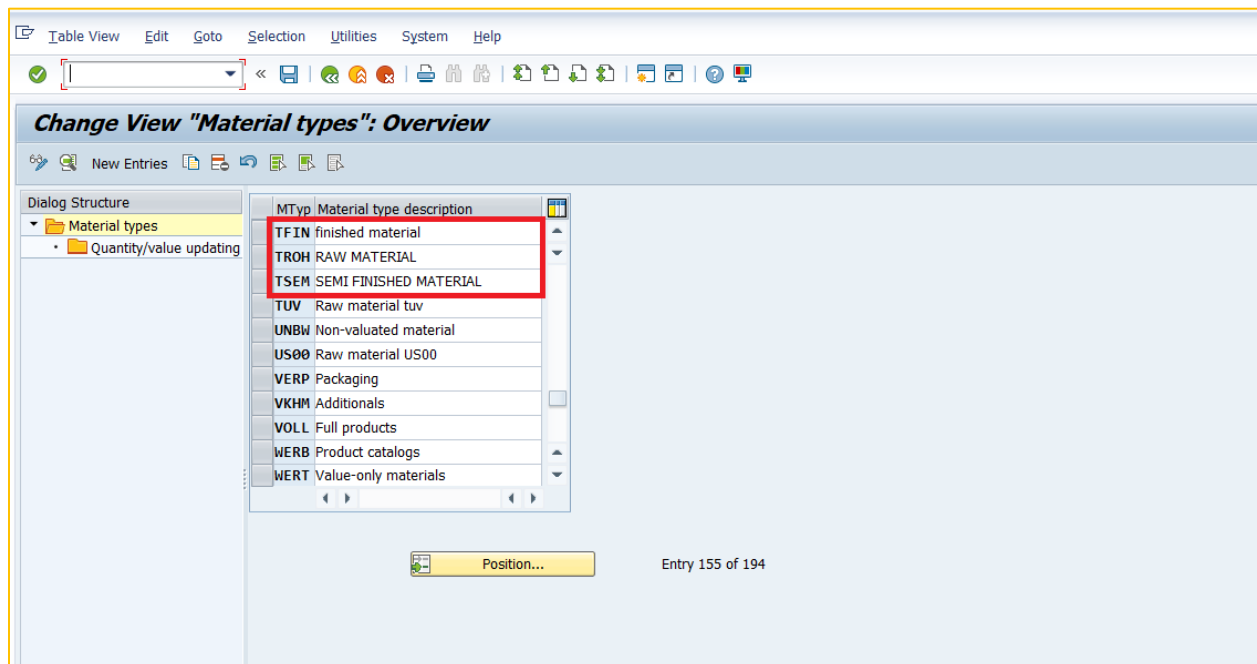
Material Types

Materials with some common attributes are grouped together and they are assigned to a material type. It differentiates the materials and allows organizations to manage different materials in a systematic manner in accordance to a company's requirement. For example, raw material and finished products are some of the material types. Material type can be created by following the steps given below.

Path: spro – logistic general – material master – basic settings – material types – define attributes of material types / define number ranges for each material type

T.CODE: OMS2

Material Types	Material type Description
ROH	Raw Material
FERT	Finished goods
HALB	Semi-finished material
UNBW	Non valuated material
NLAG	Not Stock material



Overview on material configuration:

Table View Edit Goto Selection Utilities System Help

Change View "Material types": Details of Selected Set

Material Type TROH RAW MATERIAL

General data

Field reference	ROH	X-plant matl status	<input type="checkbox"/>
SRef: material type	ROH	Item category group	<input type="checkbox"/>
Authorization group		<input checked="" type="checkbox"/> With Qty Structure	
<input checked="" type="checkbox"/> External no. assignment w/o check		<input type="checkbox"/> Initial Status	

Special material types

☐ Material is configurable

☐ Material

☐ Pipeline

☐ Manufact

User departments

Status description

- Work scheduling
- Accounting
- Classification
- MRP
- Purchasing
- Production resources/tools
- Costing
- Basic data
- Storage
- Forecasting

Internal/external purchase orders

Ext. Purchase Orders	2
Int. purchase orders	0

Classification

Class type

Class

Filed control

View control

Procurement control

Classification

Class type

Class

Valuation

Price control	S Standard price
Acct cat. reference	201
<input type="checkbox"/> Price ctrl mandatory	

Quantity/value updating

Quantity updating

☐ In all valuation areas

☐ In no valuation area

☒ By valuation area

Value updating

☐ In all valuation areas

☐ In no valuation area

☒ By valuation area

Retail-specific fields

Material type ID

General material type

Time till deleted

☐ Display material

☐ Print price

Valuation control

Specify target entries

SAP

ID7 (1) 800

Filed control

In this section we define whether the material field is hidden, display, mandatory or optional in maintenance, we can customize this according to client's requirement.

PATH: SPRO - Logistic General - Material Master - Field Selection

T-Code (OMS9).

For material master we can define field selection with reference to T-CODE, Material type assigned to Field reference and Industry sector.

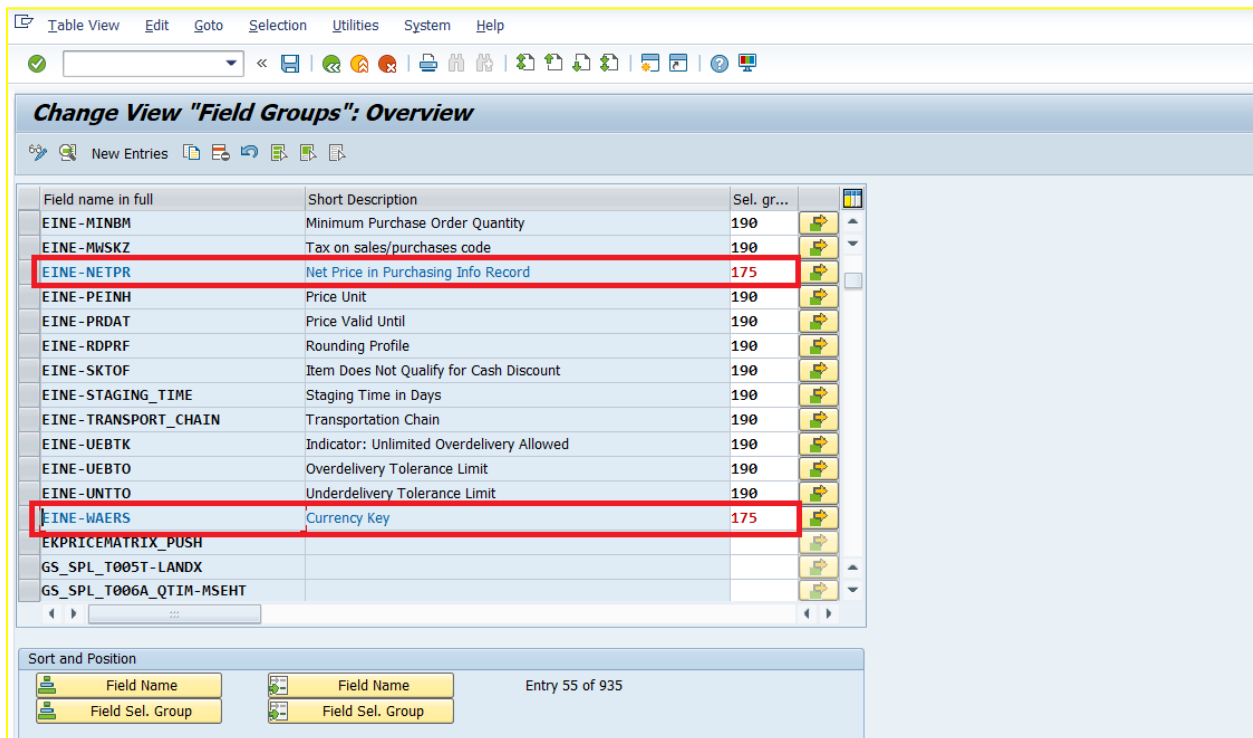
In this particular example

Field reference = ROH for Material Type TROH

T-Code=MM01/02/03

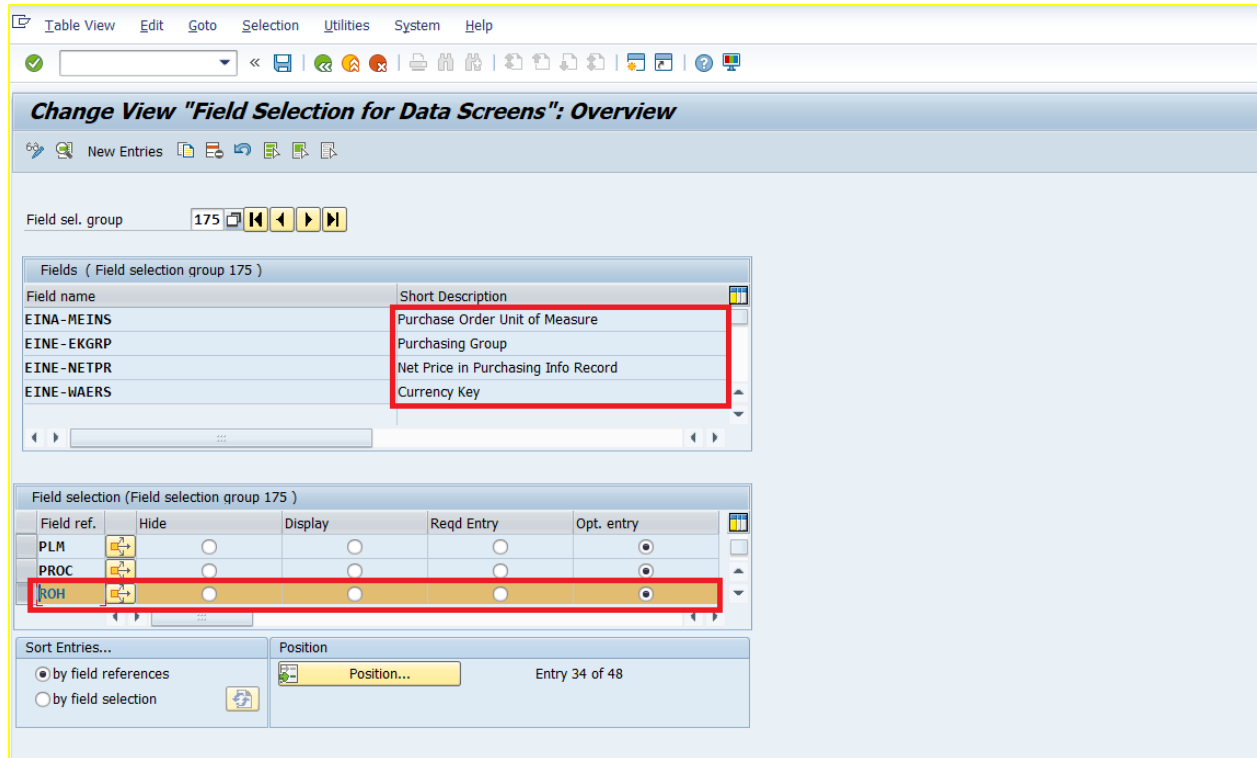
Industry Sector=G

We can see here for selection group 175 there are no. of fields is assigned.

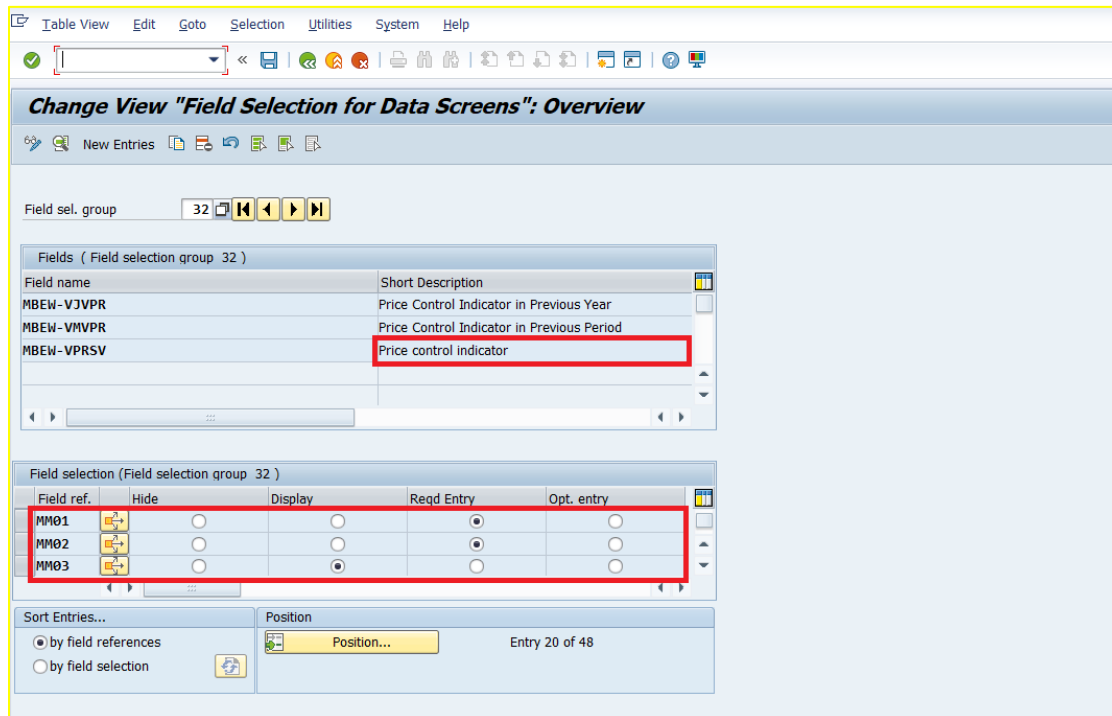


Field name in full	Short Description	Sel. gr...
EINE-MINBM	Minimum Purchase Order Quantity	190
EINE-MWSKZ	Tax on sales/purchases code	190
EINE-NETPR	Net Price in Purchasing Info Record	175
EINE-PEINH	Price Unit	190
EINE-PRDAT	Price Valid Until	190
EINE-RDPRF	Rounding Profile	190
EINE-SKTOF	Item Does Not Qualify for Cash Discount	190
EINE-STAGING_TIME	Staging Time in Days	190
EINE-TRANSPORT_CHAIN	Transportation Chain	190
EINE-UEBTK	Indicator: Unlimited Overdelivery Allowed	190
EINE-UEBTO	Overdelivery Tolerance Limit	190
EINE-UNTTO	Underdelivery Tolerance Limit	190
EINE-WAERS	Currency Key	175
EKPRICEMATRIX_PUSH		
GS_SPL_T005T-LANDX		
GS_SPL_T006A_QTIM-MSEHT		

So for this field reference according to field selection group Purchasing group, currency key fields are optional without entering to that field we can save material without any error.



In this example we can see with reference to T-CODE MM01/02 we should have to maintain Price control indicator whether it is standard or moving average price but for MM03 that entry is only for display



Procurement Control: In this field we can see that we can control for TROH- Raw material for TATA material type we can by only external purchase order, there is no in-house production is available for this particular material type.

The screenshot shows the 'Change View Material types: Details of Selected Set' dialog in SAP. A red box highlights the 'Internal/external purchase orders' section, which shows 'Ext. Purchase Orders' set to 2 and 'Int. purchase orders' set to 0. Another red box highlights a pop-up window titled 'External Purchase Orders Allowed (1) 3 Entries found', which displays a list of three entries for external purchase order control.

Ext. Purchase Orders Short Descript.
0 No external purchase orders allowed
1 External purchase orders allowed, but warnin
2 External purchase orders allowed

Other visible fields include 'Material is configurable', 'Material f. process', 'Pipeline mandatory', 'Manufacturer part', 'Status description', 'Work scheduling', 'Accounting', 'Classification', 'Class type', 'Class', 'Valuation', 'Price control' (set to 'S Standard price'), and 'Acct cat. reference' (set to '201').

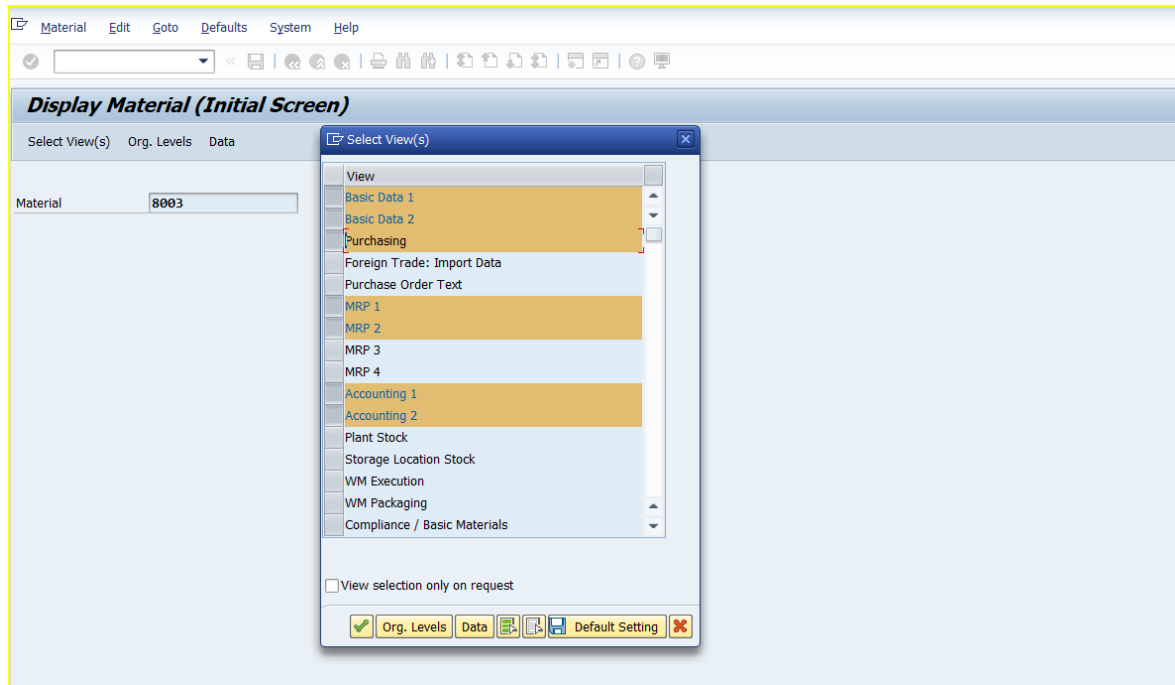
Valuation Control: In this field we have to maintain price control whether it is standard or moving average price and with help of account assignment category we can define valuation class to particular material type. I have selected standard price for this material type, hence that will automatically trigger while creating material as well as respect to AAC valuation class took automatically by the system.

The screenshot shows the 'Create Material 8003 (RAW MATERIAL)' dialog in SAP. A red box highlights the 'Current valuation' section, which shows 'Valuation Class' set to '2000', 'Price control' set to 'S', and 'Moving price' set to '450'. Another red box highlights a pop-up window titled 'Price control indicator (1) 2 Entries found', which displays a list of two entries for price control indicators.

Price control Short Descript.
S Standard price
V Moving average price/periodic unit price

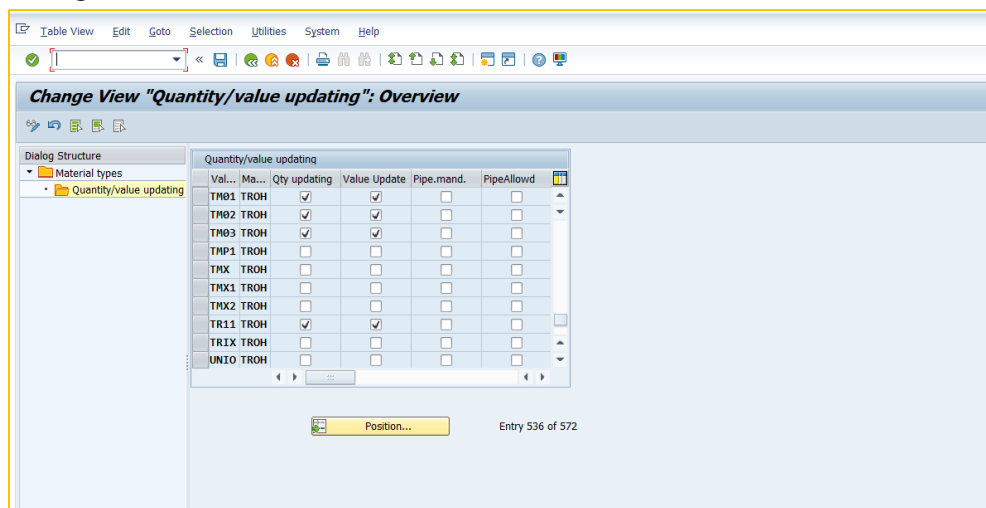
Other visible fields include 'Material' (8003), 'Plant' (TM01), 'Base Unit of Measure' (KG), 'Currency' (EUR), 'Division', 'Total Stock' (0), 'Future price', and 'Valid from'.

Material Views control: Every Material has different attributes and uses for specific of particular department, Basic view, Purchasing view, accounting view with these three views we can run entire purchase order cycle but for manufacturing company point of we have to take MRP view likewise from the point of view of sales we can sales view For my finished material I need only these views because my material is not manufactured within my plant to take MRP view for planning the material.



Qty updating and value update at plant:

Quantity Updating Specifies that the material is managed on a quantity basis in the material master record for the relevant valuation area. Value Update: Specifies that the material is managed on a value basis in the material master record for the valuation area concerned.



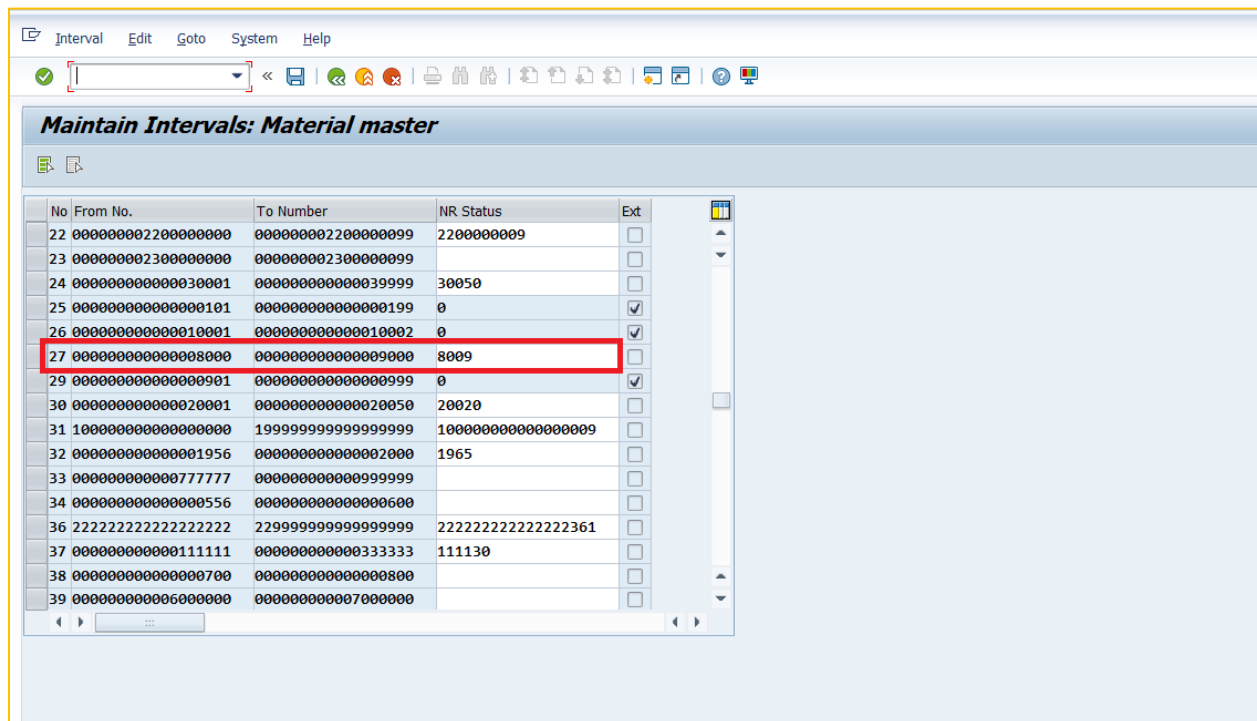
Create number range for material type:

When we create a material master record, every material is recognized by a unique number that is known as the material number. We can assign a number to a material through two ways –

- **External number assignment** – While creating a material, you have to enter your own number (containing alphabets or digits), and that should be unique.
- **Internal number assignment** – While creating a material, you need not enter any number. The system automatically generates a unique number to that material.

PATH : IMG ⇒ Logistic General ⇒ Material Master ⇒ Basic Settings ⇒ Material Types ⇒ Define Number Range for Each material Type

TCode: MMNR



No	From No.	To Number	NR Status	Ext
22	000000002200000000	000000002200000099	2200000009	<input type="checkbox"/>
23	000000002300000000	000000002300000099		<input type="checkbox"/>
24	00000000000030001	00000000000039999	30050	<input type="checkbox"/>
25	00000000000000101	00000000000000199	0	<input checked="" type="checkbox"/>
26	00000000000010001	00000000000010002	0	<input checked="" type="checkbox"/>
27	00000000000008000	00000000000009000	8009	<input type="checkbox"/>
29	00000000000000901	00000000000000999	0	<input checked="" type="checkbox"/>
30	00000000000020001	00000000000020050	20020	<input type="checkbox"/>
31	10000000000000000	19999999999999999	10000000000000009	<input type="checkbox"/>
32	00000000000001956	00000000000002000	1965	<input type="checkbox"/>
33	00000000000077777	00000000000099999		<input type="checkbox"/>
34	00000000000000556	00000000000000600		<input type="checkbox"/>
36	22222222222222222	22999999999999999	22222222222222361	<input type="checkbox"/>
37	00000000000111111	00000000000333333	111130	<input type="checkbox"/>
38	00000000000000700	00000000000000800		<input type="checkbox"/>
39	00000000000000000	00000000000000000		<input type="checkbox"/>

Assign number range to material type.

Group Maintenance: Number Range MATERIALNR

Element/Group

Group text	Element text
TROH	RAW MATERIAL
TUV	Raw material tuv
JAILAXMI MATERIAL	
honda raw material range number	
HRAW	honda Raw materials
ROHI	Raw material41
Honda Semifinised Material number Range	
HSFM	Semi-finished product
Honda Finished Material number Range	
HFM	Honda Finished Material
Honda Non Valuated Material number Range	
HNVM	honda non-valuated mat
Honda Non Stock Material number Range	
HNSM	honda Non - Stock materia
Number Range for ROH-YRPM	
DUSM	DUSHU ENGG MATE TYPE
YRPM	Raw material for ABOT

Group Selection

Subobj.val	No	No	Group text
15	22		ajaaj
16	23		ajjuu
17	24		jijjj
18	25		JAILAXMI MATERIAL
19	26		honda raw material range number
20	27		Honda Semifinised Material number Range
21	28		Honda Finished Material number Range
22	29		Honda Non Valuated Material number Range
23	30		Honda Non Stock Material number Range
24	31		Number Range for ROH-YRPM
27	32		NR TATA
30	33		Natural ROH
31	34		ZFR MATERIAL
32	35		nmo1
33	36		1996

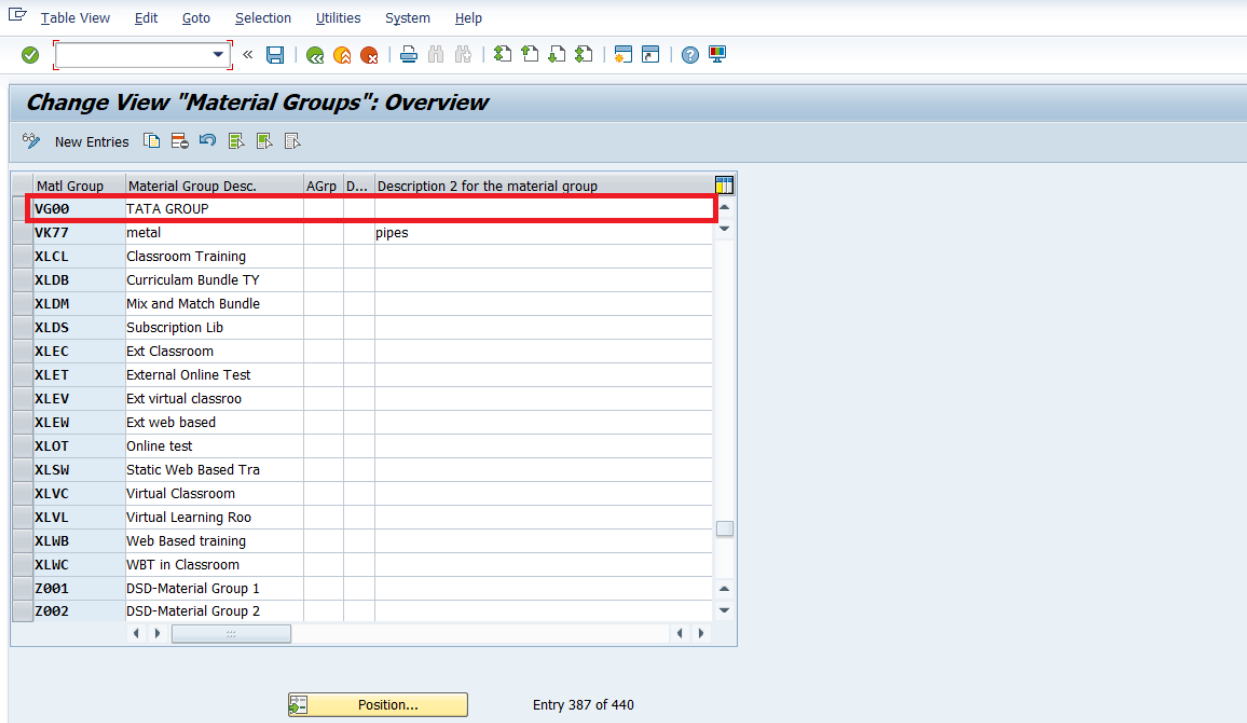
Assign number range to material type

Material Groups:

Material group is a wider range of material type. Materials with some common attributes are taken together and they are assigned to a material group. For example: We have some materials that are to be packaged, so the material type can be electrical or food products, but we can group these material types and put them in the packaged material group. Follow the steps given below to create a Material Group.

IMG ⇒ Logistic General ⇒ Material Master ⇒ Settings for Key Fields ⇒ Define Material Groups

TCode: OMSF



Change View "Material Groups": Overview

New Entries

Matl Group	Material Group Desc.	AGrp	D...	Description 2 for the material group
VG00	TATA GROUP			
VK77	metal			pipes
XLCL	Classroom Training			
XLDB	Curriculum Bundle TY			
XLDM	Mix and Match Bundle			
XLDS	Subscription Lib			
XLEC	Ext Classroom			
XLET	External Online Test			
XLEV	Ext virtual classroo			
XLEW	Ext web based			
XLOT	Online test			
XLSh	Static Web Based Tra			
XLVC	Virtual Classroom			
XLVL	Virtual Learning Roo			
XLWB	Web Based training			
XLWC	WBT in Classroom			
Z001	DSD-Material Group 1			
Z002	DSD-Material Group 2			

Position... Entry 387 of 440

Material Master Creation

Material master contains information on all materials that a company procures, produces, or sells.

Tcode: MM01 / MM02 / MM03

Initial screen of material creation. Will create material at plant level.

The screenshot shows the 'Create Material (Initial Screen)' dialog box in SAP. The title bar includes 'Material', 'Edit', 'Goto', 'Defaults', 'System', and 'Help'. Below the title bar is a toolbar with various icons. The main area contains the following fields:

- Material**: A text input field.
- Industry sector**: A dropdown menu with 'G TATA MOTORS LTD' selected.
- Material Type**: A dropdown menu with 'TROH RAW MATERIAL' selected.
- Change Number**: A text input field.
- Copy from...**: A section with a 'Material' dropdown menu and an empty text input field.

This screenshot shows the same 'Create Material (Initial Screen)' dialog box, but with the 'Organizational Levels' sub-dialog open. The sub-dialog has the following fields:

- Organizational levels**:
 - Plant**: A text input field with 'TM01' entered.
 - Stor. Location**: A text input field with 'st01' entered.
- Profiles**:
 - MRP profile**: A text input field.
- ☐ **Org. levels/profiles only on request**

At the bottom of the sub-dialog are three buttons: 'Select View(s)' (with a green checkmark icon), 'Default Setting' (with a blue floppy disk icon), and a close button (with a red X icon).

Basic data: A material master record contains data that is valid for the whole company: the material number, the material description, the assigned material group, the base unit of measure, the weight, and so on. This data is maintained at the client level in the material master.

Create Material 8003 (RAW MATERIAL)

Additional Data Org. Levels Check Screen Data

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

Material: 8003 steel metal sheet

General Data

Base Unit of Measure	KG	Material Group	VG00
Old material number	5600	Ext. Matl Group	
Division		Lab/Office	
Product allocation		Valid from	
X-plant matl status		GenItemCatGroup	
<input type="checkbox"/> Assign effect. vals			

Dimensions/EANS

Gross Weight	50	Weight unit	kg
Net Weight	45		
Volume		Volume unit	
Size/dimensions			
EAN/UPC		EAN Category	

Packaging material data

Purchasing view: Purchasing view is totally related to the external procurement of material/services. In purchasing view we can use functions automatic po, batch management, quota usage, source list etc.

Create Material 8003 (RAW MATERIAL)

Additional Data Org. Levels Check Screen Data

Sales text Purchasing Foreign trade import Purchase order text MRP 1

Purchasing Group: PG Material Group: VG00

Plant-sp.matl status: Valid from:

Tax ind. f. material: Qual.f.FreeGoodsDis.:

Material freight grp: Autom. PO:

☐ Batch management OB Management:

OB ref. material:

Purchasing values

Purchasing value key		Shipping Instr.	
1st Reminder/Exped.	0 days	Underdel. Tolerance	0,0 percent
2nd Reminder/Exped.	0 days	Overdeliv. Tolerance	0,0 percent
3rd Reminder/Exped.	0 days	Min. Del. Qty in %	0,0 percent
StdValueDelivDateVar	0 days	<input type="checkbox"/> Unltd Overdelivery	<input type="checkbox"/> Acknowledgment Reqd

Other data / manufacturer data

GR Processing Time	4 days	<input type="checkbox"/> Post to insp. stock	<input type="checkbox"/> Critical Part
Quota arr. usage		<input type="checkbox"/> Source list	JIT Sched. Indicator
Mfr Part Number		Mfr Part Profile	
		Manufact.	

MRP view: MRP type is a field that is maintained in the material master MRP 1 view under MRP procedure data. This is a key which is used to regulate the material requirements planning. MRP type also determines how and when the material is to be planned or to be available for the requirement. MRP 2 Here you can choose if your material has internal production (our case), external procurement, or both types of procurements are possible.

Create Material 8003 (RAW MATERIAL)

Material: 8003 steel metal sheet
Plant: TM01 TATA MOTOR LTD. PH-1

General Data

Base Unit of Measure	KG	kilogram	MRP group	
Purchasing Group	PG		ABC Indicator	
Plant-sp.matl status			Valid from	

MRP procedure

MRP Type	ND		
Reorder Point		Planning time fence	
Planning cycle		MRP Controller	

Lot size data

Lot size		Maximum Lot Size	
Minimum Lot Size		Maximum stock level	
Fixed lot size		Storage costs ind.	
Ordering costs			

Create Material 8003 (RAW MATERIAL)

Material: 8003 steel metal sheet
Plant: TM01 TATA MOTOR LTD. PH-1

Procurement

Procurement type	F
Special procurement	
Quota arr. usage	
Backflush	
JIT delivery sched.	
Bulk Material	<input type="checkbox"/>

Scheduling

GR Processing Time	4 days	Planned Deliv. Time	5 days
SchedMargin key		Planning calendar	

Net requirements calculation

Safety Stock		Service level (%)	
--------------	--	-------------------	--

Procurement type Short Descript.

E	In-house production
F	External procurement
	No procurement
X	Both procurement types

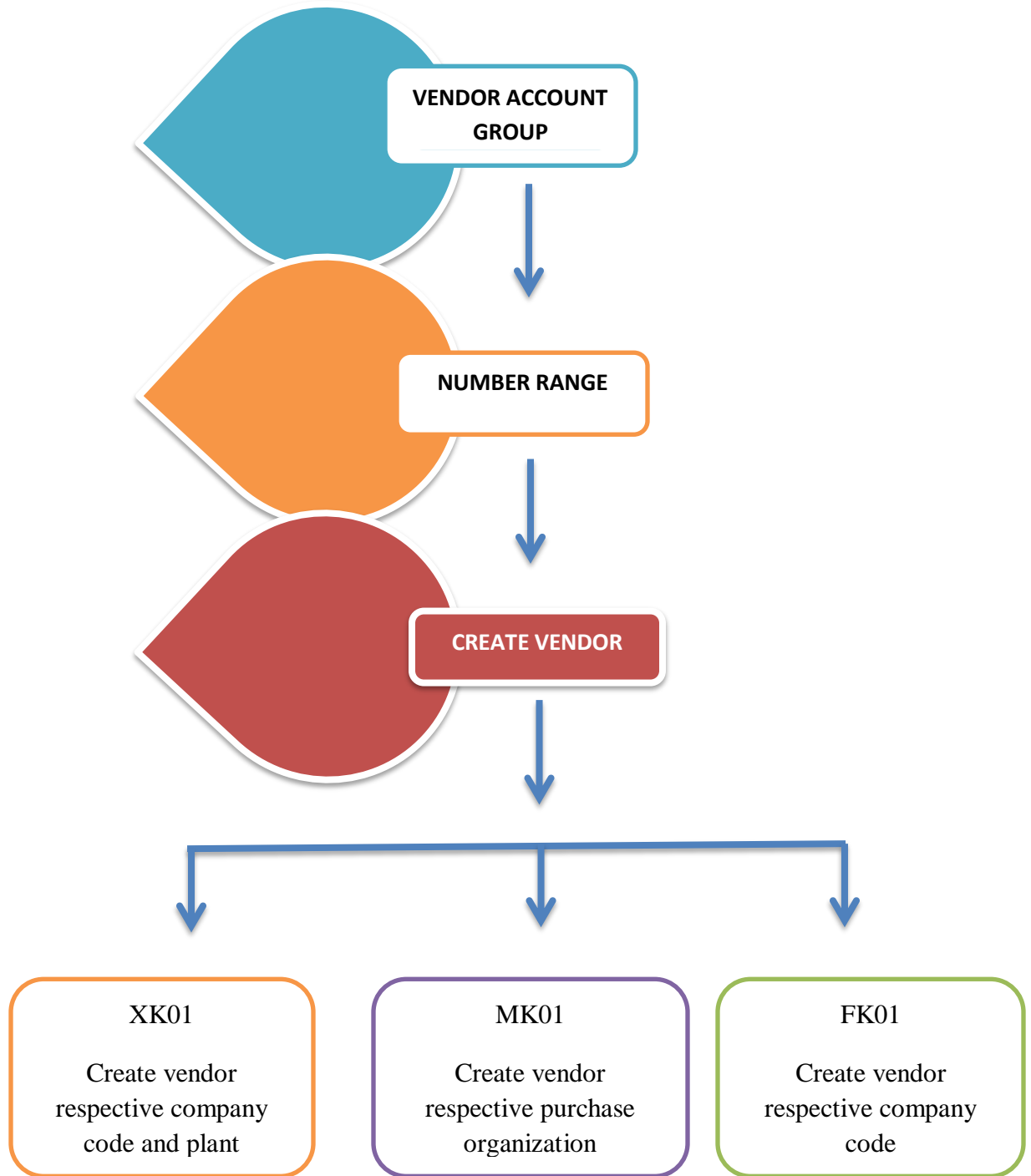
Accounting view: The Accounting view of material master holds specific data about the material value and accounting properties.

The screenshot shows the 'Create Material 8003 (RAW MATERIAL)' dialog box in SAP. The 'Accounting 1' tab is active. The material is '8003' with description 'steel metal sheet' and plant 'TM01' (TATA MOTOR LTD PH-1). The base unit of measure is 'KG' (kilograms) and the currency is 'EUR'. The division is empty. The current valuation section shows 'Valuation Class' as '2000', 'VC: Sales order stk' as empty, 'Price control' as 'S', 'Moving price' as '450', 'Total Stock' as '0', and 'Future price' as empty. The 'Price control indicator' dialog box is open, showing 'S' for 'Standard price' and 'V' for 'Moving average price/periodic unit price'. The '2 Entries found' section shows 'Standard price' as '500' and 'Total Value' as '0,00'. There are buttons for 'Previous period/year' and 'Std cost estimate'.

Display view: Every Material has different attributes and uses for specific of particular department, Basic view, Purchasing view, accounting view with these three views we can run entire purchase order cycle but for manufacturing company point of view we have to take MRP view likewise from the point of view of sales we can sales view For my finished material I need only these views because my material is not manufactured within my plant to take MRP view for planning the material.

The screenshot shows the 'Display Material (Initial Screen)' dialog box in SAP. The material is '8003'. The 'Select View(s)' dialog box is open, showing a list of views: View, Basic Data 1, Basic Data 2, Purchasing, Foreign Trade: Import Data, Purchase Order Text, MRP 1, MRP 2, MRP 3, MRP 4, Accounting 1, Accounting 2, Plant Stock, Storage Location Stock, WM Execution, WM Packaging, and Compliance / Basic Materials. The 'View selection only on request' checkbox is unchecked. There are buttons for 'Org. Levels', 'Data', 'Default Setting', and a close button.

Vendor Master Data



Vendor Master Data

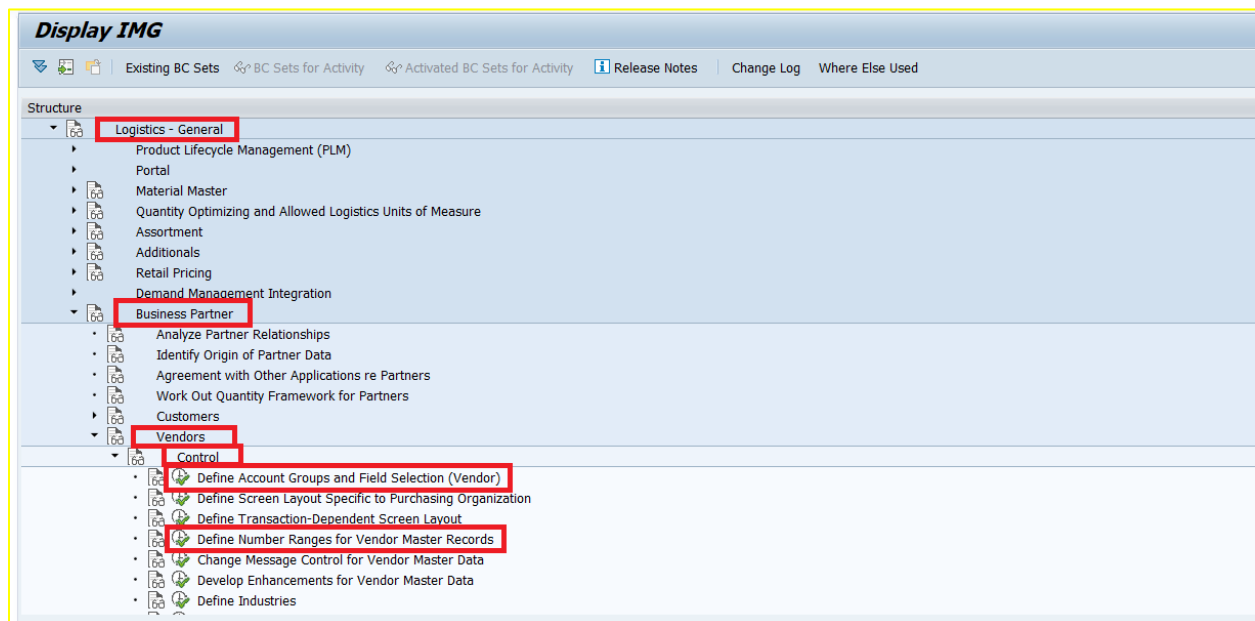
- Vendor Master Data is the enterprise main source of vendor-specific data. It includes information on vendors from which a company can procure, or can sell.
- A vendor master record contains information such as vendor's name, address, etc.
- Data in a vendor master record is divided into three categories :-

General Data – General data is maintained at client level and it is valid for all organizational levels.

Accounting Data – Accounting data is maintained at company level and it is valid for all plants belonging to that company.

Purchasing Data – Purchasing data is maintained at purchasing organization level.

PATH: SPRO – logistic general – business partner – vendors – control – define account groups and field selection (vendor) / define number ranges for vendor master records



Vendor group

Vendors are categorized according to their requirements. Some of the vendors having similar characteristics are grouped together and placed in one category. For example, all local vendors can be placed under one account group.

The screenshot shows the SAP 'Change View Vendor Account Groups' details screen. The title bar includes a menu with 'Table View', 'Edit', 'Goto', 'Selection', 'Utilities', 'System', and 'Help'. Below the menu is a toolbar with various icons. The main title is 'Change View "Vendor Account Groups": Details'. Below the title is a navigation bar with buttons: 'Expand Field Status', 'New Entries', 'Copy As...', 'Delete', 'Previous Entry', 'Next Entry', and 'Print Standard List'. The 'Account Group' is set to 'VG'. The form is divided into several sections: 'General Data' with fields for 'Name' (TATA MOTOERS VENDOR GROUP), 'Number Range' (02), and 'One-Time Account' (checkbox); 'Field Status' with a list of fields (General Data, Company Code Data, Purchasing Data, Purchasing Sub-Range, Purchasing Plant) and their status; 'Data Retent. Levels: Purchasing' with checkboxes for 'Vendor sub-range relevant' and 'Plant level relevant'; 'Default Values' with a checkbox for 'Do not transfer any data'; and 'PartnerDetermProced.' with fields for 'Partner schema, purch. org.', 'Partner schema, sub-range', and 'Partner schema: plant level'.

General Data	
Name	TATA MOTOERS VENDOR GROUP
Number Range	02
One-Time Account	<input type="checkbox"/>

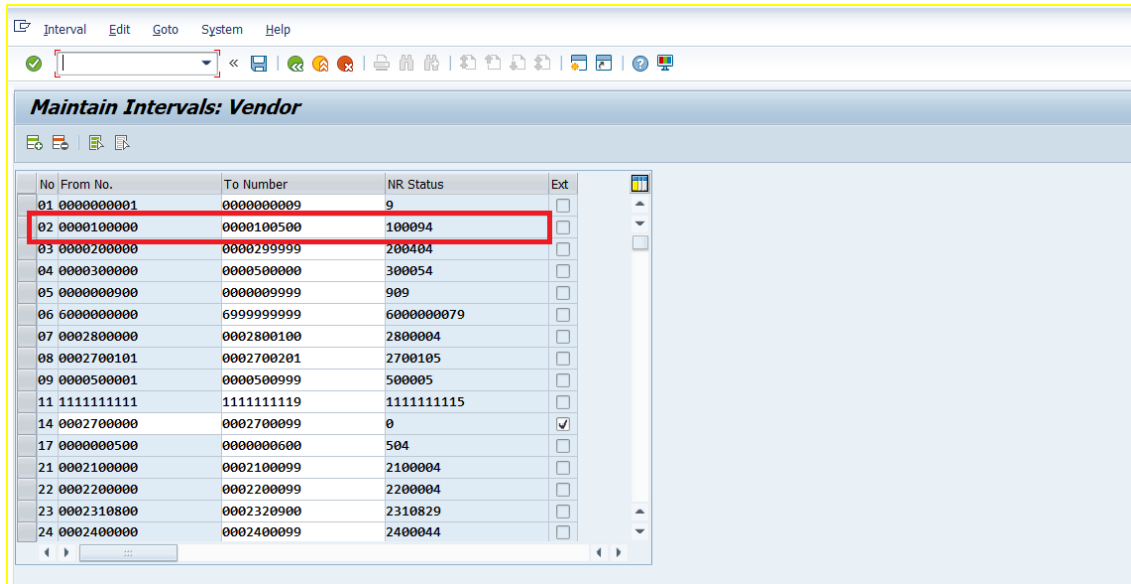
Field Status	Data Retent. Levels: Purchasing
General Data	<input type="checkbox"/> Vendor sub-range relevant
Company Code Data	<input type="checkbox"/> Plant level relevant
Purchasing Data	
Purchasing Sub-Range	
Purchasing Plant	

Default Values	
	<input type="checkbox"/> Do not transfer any data

PartnerDetermProced.	
Partner schema, purch. org.	<input type="checkbox"/>
Partner schema, sub-range	<input type="checkbox"/>
Partner schema: plant level	<input type="checkbox"/>

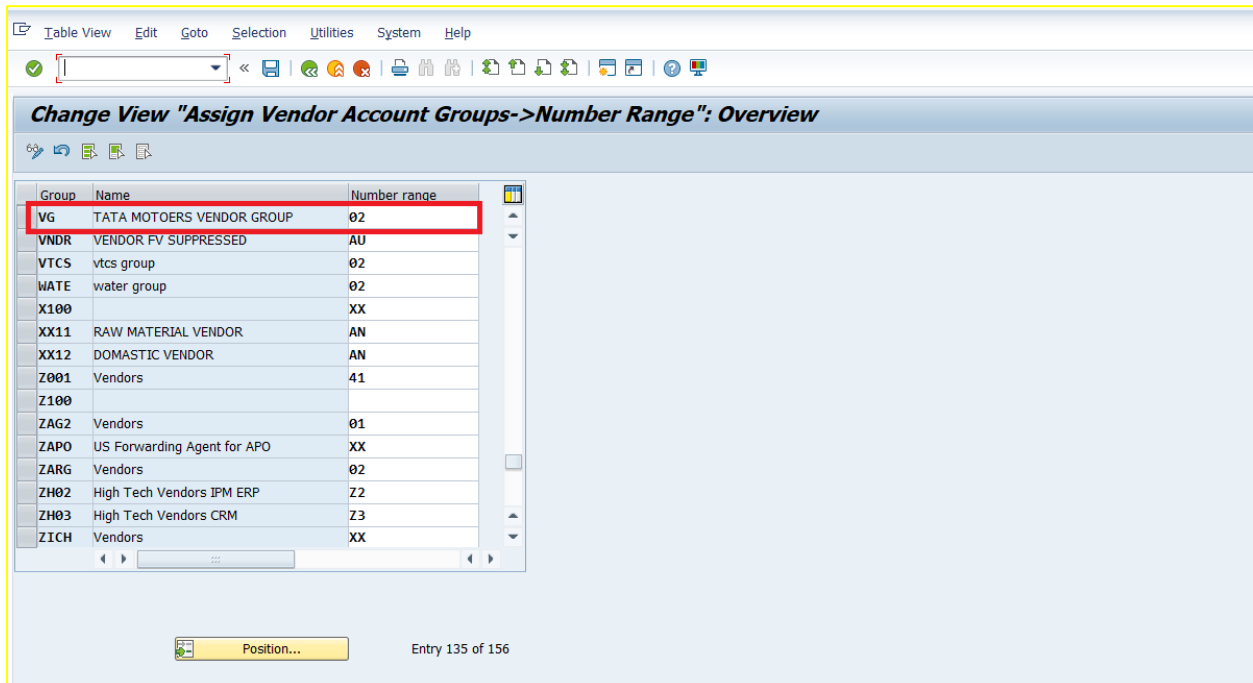
Number Range

When we create a vendor master record, every vendor is recognized by a unique number known as the vendor number. As in the case of material master, we have external as well as internal number assignments for vendor master.



No	From No.	To Number	NR Status	Ext
01	0000000001	0000000009	9	<input type="checkbox"/>
02	0000100000	0000100500	100094	<input type="checkbox"/>
03	0000200000	0000299999	200404	<input type="checkbox"/>
04	0000300000	0000500000	300054	<input type="checkbox"/>
05	0000000900	0000009999	909	<input type="checkbox"/>
06	6000000000	6999999999	600000079	<input type="checkbox"/>
07	0002800000	0002800100	2800004	<input type="checkbox"/>
08	0002700101	0002700201	2700105	<input type="checkbox"/>
09	0000500001	0000500999	500005	<input type="checkbox"/>
11	1111111111	1111111119	111111115	<input type="checkbox"/>
14	0002700000	0002700099	0	<input checked="" type="checkbox"/>
17	0000000500	0000000600	504	<input type="checkbox"/>
21	0002100000	0002100099	2100004	<input type="checkbox"/>
22	0002200000	0002200099	2200004	<input type="checkbox"/>
23	0002310000	0002320900	2310829	<input type="checkbox"/>
24	0002400000	0002400099	2400044	<input type="checkbox"/>

Number range assign to vendor group.



Group	Name	Number range
VG	TATA MOTOERS VENDOR GROUP	02
VNDR	VENDOR FV SUPPRESSED	AU
VTCS	vtcs group	02
WATE	water group	02
X100		XX
XX11	RAW MATERIAL VENDOR	AN
XX12	DOMASTIC VENDOR	AN
Z001	Vendors	41
Z100		
ZAG2	Vendors	01
ZAPO	US Forwarding Agent for APO	XX
ZARG	Vendors	02
ZH02	High Tech Vendors IPM ERP	Z2
ZH03	High Tech Vendors CRM	Z3
ZICH	Vendors	XX

Position... Entry 135 of 156

Creation of Vendor Master

Vendor Master contains a list of vendors from where a company can procure or sell goods.

Tcode: XK01 / XK02 /XK03

The screenshot shows the 'Create Vendor: Initial Screen' in SAP. The interface includes a menu bar with 'Vendor', 'Edit', 'Goto', 'Extras', 'Environment', 'System', and 'Help'. Below the menu is a toolbar with various icons. The main area is titled 'Create Vendor: Initial Screen'. It contains two input sections. The first section has the following fields: 'Vendor' (empty), 'Company Code' (1000), 'PurchasingOrganization' (PO), and 'Account group' (VG). The second section, titled 'Reference', has the following fields: 'Vendor' (empty), 'Company code' (empty), and 'PurchasingOrganization' (empty).

Display: in vendor master data there are three views general data, company code data, purchase organization data.

The screenshot shows the 'Display Vendor: Initial Screen' in SAP. The interface includes a menu bar with 'Vendor', 'Edit', 'Goto', 'Extras', 'Environment', 'System', and 'Help'. Below the menu is a toolbar with various icons. The main area is titled 'Display Vendor: Initial Screen'. It contains two input sections. The first section has the following fields: 'Vendor' (910), 'Company Code' (1000) with 'BestRun Germany' next to it, and 'Purch. Organization' (PO) with 'purch org for plant' next to it. Below these sections are three expandable view sections, each with a red border. The first section is 'General data' and contains the following options: 'Address', 'Control', 'Payment transactions', and 'Contact Persons'. The second section is 'Company code data' and contains the following options: 'Accounting info', 'Payment transactions', 'Correspondence', and 'Withholding tax'. The third section is 'Purchasing organization data' and contains the following options: 'Purchasing data' and 'Partner functions'.

General data: General data is maintained at client level and it is valid for all organizational levels. The general data include basic information of suppliers and Diller's .ex. address, control, payment transactions, contact persons etc.

The screenshot shows the 'Create Vendor: Address' form in SAP. The menu bar includes Vendor, Edit, Goto, Extras, Environment, System, and Help. The title bar shows a green checkmark and a dropdown menu. The form is divided into several sections: Name, Search Terms, Street Address, PO Box Address, and Communication. The Name section has fields for Title (Company), Name (JSW steel ltd.), and Address (JSW steel ltd.). The Search Terms section has a field for Search term 1/2. The Street Address section has fields for Street/House number (house no 14 pune), Postal Code/City (410031), Country (IN), and Region (13). The PO Box Address section has fields for PO Box (23) and Postal code (410031). The Communication section has fields for Language (EN English), Telephone (564585), Extension, and Mobile Phone. There are buttons for Preview, Internat. versions, and Other communication...

Create Vendor: Address

Preview Internat. versions

Name

Title Company

Name JSW steel ltd.

JSW steel ltd.

Search Terms

Search term 1/2

Street Address

Street/House number house no 14 pune

Postal Code/City 410031

Country IN Region 13

PO Box Address

PO Box 23

Postal code 410031

Communication

Language EN English

Telephone 564585 Extension

Mobile Phone

Other communication...

The screenshot shows the 'Create Vendor: Payment transactions' form in SAP. The menu bar includes Vendor, Edit, Goto, Extras, Environment, System, and Help. The title bar shows a green checkmark and a dropdown menu. The form is divided into several sections: Vendor, Bank Details, Payment transactions, and Different Payee in Document. The Vendor section shows Vendor (INTERNAL) and JSW steel ltd. The Bank Details section is a table with columns: Ctry, Bank Key, Bank Account, Acct Holder, AK, IBAN, IBANValue, BnKT, and Reference. The table contains one row with values: IN, 13546, 002554548765, JSW steel ltd, and empty cells for AK, IBAN, IBANValue, BnKT, and Reference. The Payment transactions section has fields for Alternative payee, DME Indicator, Instruction key, and ISR Number. The Different Payee in Document section has checkboxes for Individual Entries and Entries for Referen., and a button for Permitted Payee.

Create Vendor: Payment transactions

Vendor INTERNAL JSW steel ltd.

Bank Details

Ctry	Bank Key	Bank Account	Acct Holder	AK	IBAN	IBANValue	BnKT	Reference
IN	13546	002554548765	JSW steel ltd					

Bank Data... Delete Bank Detail IBAN

Payment transactions

Alternative payee

DME Indicator

Instruction key

ISR Number

Different Payee in Document

☐ Individual Entries

☐ Entries for Referen.

Permitted Payee

Company code data: Accounting data is maintained at company level and it is valid for all plants belonging to that company. in company code view include accounting information, tax, payments terms, payment methods, tolerance group etc.

<div> Vendor Edit Goto Extras Environment System Help </div> <div> <input type="text"/> </div>			
<h2>Create Vendor: Accounting information Accounting</h2>			
<div> </div>			
Vendor	INTERNAL	JSW steel ltd.	
Company Code	1000	BestRun Germany	
Accounting information			
Recon. account	164004	Sort key	<input type="text"/>
Head office	<input type="text"/>	Subsidy indic.	<input type="text"/>
Authorization	<input type="text"/>	Cash mgmnt group	A6
		Release group	<input type="text"/>
Minority indic.	<input type="text"/>	Certificatn date	<input type="text"/>
Interest calculation			
Interest indic.	<input type="text"/>	Last key date	<input type="text"/>
Interest cycle	<input type="text"/>	Last interest run	<input type="text"/>
Withholding tax			
W. Tax Code	<input type="text"/>	Exemption number	<input type="text"/>
WH Tax Country	<input type="text"/>	Valid until	<input type="text"/>
Recipient type	<input type="text"/>	Exmpt.authority	<input type="text"/>
Reference data			
Prev.acct no.	<input type="text"/>	Personnel number	<input type="text"/>
Default data for tax reports			

Vendor: Payment transactions Accounting			
<div> <div>Vendor</div> <div>INTERNAL</div> <div>JSW steel Ltd.</div> </div> <div> <div>Company Code</div> <div>1000</div> <div>BestRun Germany</div> </div>			
<div>Payment data</div> <div> <div> <div>Payt Terms</div> <div>0001</div> </div> <div> <div>Tolerance group</div> <div></div> </div> </div> <div> <div> <div>Cr memo terms</div> <div></div> </div> <div> <div>Chk double inv.</div> <div><input type="checkbox"/></div> </div> </div> <div> <div> <div>Chk cashing time</div> <div></div> </div> </div>			
<div>Automatic payment transactions</div> <div> <div> <div>Payment methods</div> <div></div> </div> <div> <div>Payment block</div> <div><input type="checkbox"/></div> <div>Free for payment</div> </div> </div> <div> <div> <div>Alternat.payee</div> <div></div> </div> <div> <div>House Bank</div> <div></div> </div> </div> <div> <div> <div>Individual pmnt</div> <div><input type="checkbox"/></div> </div> <div> <div>Grouping key</div> <div></div> </div> </div> <div> <div> <div>B/exch.limit</div> <div></div> <div>EUR</div> </div> </div> <div> <div> <div>Pmt adv. by EDI</div> <div><input type="checkbox"/></div> </div> <div> <div>Alt.payee(doc.)</div> <div><input type="checkbox"/></div> <div>Permitted Payee</div> </div> </div>			
<div>Invoice verification</div> <div> <div> <div>Tolerance group</div> <div></div> </div> </div> <div> <div> <div>Prepayment</div> <div><input type="checkbox"/></div> </div> </div>			

Purchase organization data: Purchasing data is maintained at purchasing organization level. in purchasing data there include information of order currency terms of payment, active GR based invoice verification, acknowledgment reqd, automatic purchase order.

The screenshot shows the SAP 'Create Vendor: Purchasing data' form. The form is divided into three main sections: Conditions, Sales data, and Control data. The Conditions section includes fields for Order currency (set to INR), Terms of payment (set to 0001), Incoterms, Minimum order value, Schema Group, Vendor (set to Standard procedure vendor), Pricing Date Control (set to No Control), and Order optim.rest. The Sales data section includes fields for Salesperson, Telephone, and Acc. with vendor. The Control data section includes a list of checkboxes for various settings: GR-Based Inv. Verif. (checked), AutoEvalGRSetmt Del., AutoEvalGRSetmt Ret., Acknowledgment Reqd (checked), Automatic purchase order, Subsequent settlement, Subseq. sett. index, and several other options like ABC indicator, ModeOfTrnsprt-Border, Office of entry, Sort criterion, PROACT control prof., Revaluation allowed, Grant discount in kind, RMA Required, and By VSR sequence number.

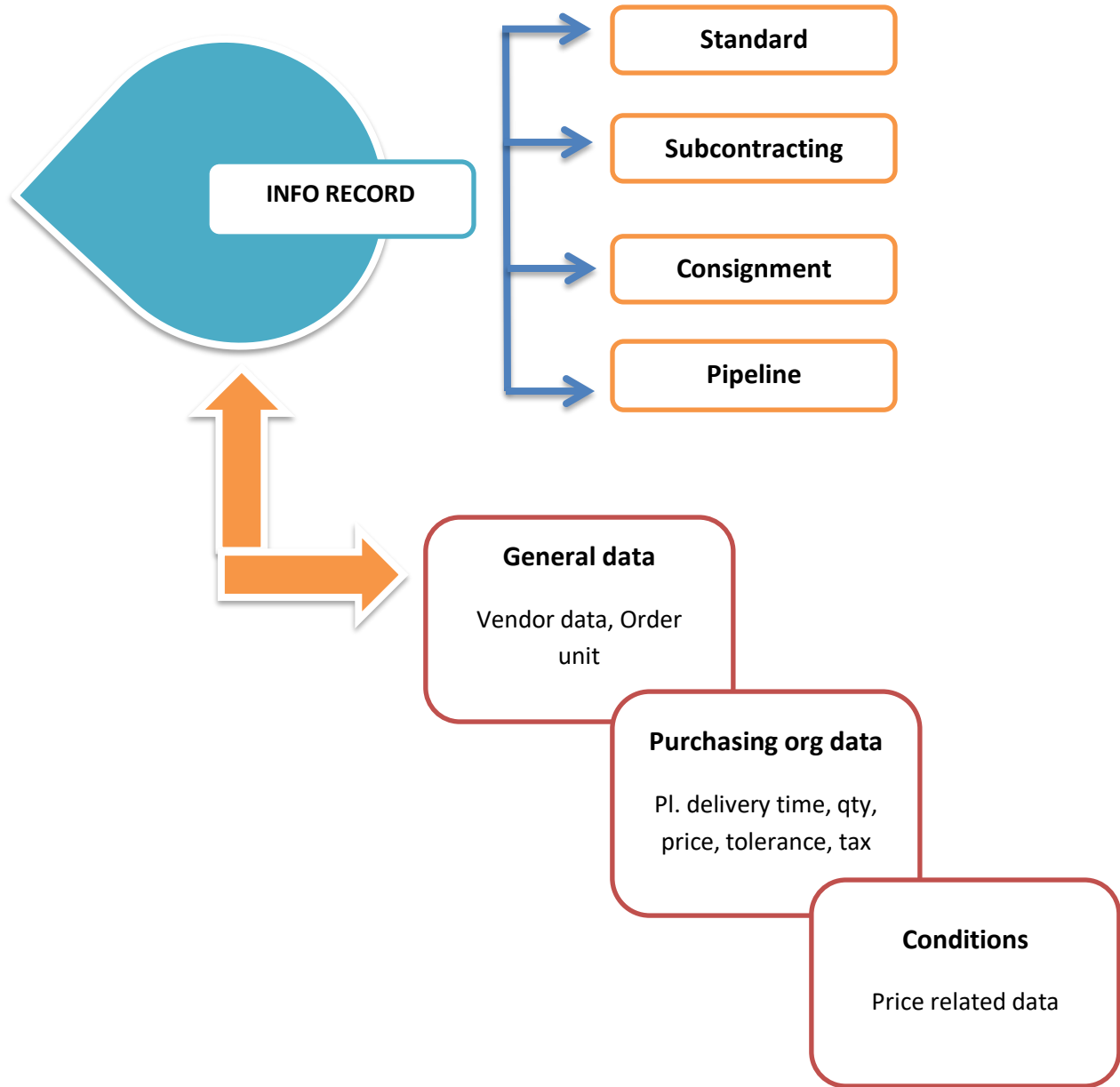
Conditions		
Order currency	INR	
Terms of paymnt	0001	
Incoterms		
Minimum order value		
Schema Group, Vendor		Standard procedure vendor
Pricing Date Control		No Control
Order optim.rest.		

Sales data		
Salesperson		
Telephone		
Acc. with vendor		

Control data		
<input checked="" type="checkbox"/> GR-Based Inv. Verif.	ABC indicator	<input type="checkbox"/> RMA Required
<input type="checkbox"/> AutoEvalGRSetmt Del.	ModeOfTrnsprt-Border	
<input type="checkbox"/> AutoEvalGRSetmt Ret	Office of entry	
<input checked="" type="checkbox"/> Acknowledgment Reqd	Sort criterion	By VSR sequence number
<input type="checkbox"/> Automatic purchase order	PROACT control prof.	
<input type="checkbox"/> Subsequent settlement	Revaluation allowed	
<input type="checkbox"/> Subseq. sett. index	Grant discount in kind	
<input type="checkbox"/> Subseq. sett. index	Grant discount in kind	
<input type="checkbox"/> Subseq. sett. index	Grant discount in kind	

To display all vendor use Tcode: MKVZ

Purchase Info Record



Purchase info record

The separate data of material and vendor master we combined altogether in one record is called purchase info record, purchasing info record maintain material and vendor supplying that material

Ex. current price, standard quantity, planed delivery time, Tax code, tolerances.

Purchase info record can be minted at the plant or at the purchasing organization level.

There are four type of info record

- **Standard:** standard info record has information on standard orders (orders include details of vendor and material) this info record will include vendor's price for supplying the particular material.
- **Subcontracting:** subcontracting info record has information on subcontract orders. This info record will include price for assembling the raw material that is supplied by the ordering party.
- **Consignment:** consignment info record has information on material that is kept at ordering party premises. This info record contains vendor's price that is to be paid for withdrawing material from consignment stock.
- **Pipeline:** pipeline info record has information on material that is provided by vendor through pipes. For ex. Like water, electricity.

The screenshot shows the SAP 'Create Info Record: Initial Screen'. The interface includes a menu bar (Info Record, Goto, Extras, Environment, System, Help) and a toolbar with various icons. The main area contains input fields for Vendor (910), Material (8003), Purchasing Org. (PO), Plant (TM01), and Info Record. Below these is a section for 'Info category' with radio buttons for Standard (selected), Subcontracting, Pipeline, and Consignment. Two orange callout boxes with arrows provide additional context: one points to the Purchasing Org. and Plant fields, and the other points to the Info category section.

Create Info Record: Initial Screen

Vendor: 910
Material: 8003
Purchasing Org.: PO
Plant: TM01
Info Record:

Info category

- ☒ Standard
- ☐ Subcontracting
- ☐ Pipeline
- ☐ Consignment

Purchase org. and plant specific info record

Types of purchase info record according to procurement type

General data: Fill in the required details such as 1st/2nd/3rd reminder, number, personal details, order unit, origin data, regular vendor.

Info Record Edit Goto Extras Environment System Help

Create Info Record: General Data

Purch. Org. Data 1 Texts

Info Record:

Vendor JSW steel Ltd.

Material steel metal sheet

Material Group TATA GROUP

Vendor Data		Origin Data
1st Rem./Exped.	<input type="text" value="5"/> Days	Certif. Cat. <input type="text"/>
2nd Rem./Exped.	<input type="text" value="15"/> Days	Certificate <input type="text"/>
3rd Rem./Exped.	<input type="text" value="25"/> Days	Valid to <input type="text"/>
Vendor Mat. No.	<input type="text"/>	Ctry of Origin <input type="text" value="IN"/>
Vendor Subrange	<input type="text"/>	Region <input type="text"/>
VSR Sort No.	<input type="text"/>	Number <input type="text"/>
Vendor Mat. Grp	<input type="text"/>	Manufacturer <input type="text"/>
Points	<input type="text"/> / 1 KG	
Salesperson	<input type="text"/>	
Telephone	<input type="text"/>	
Return Agmt	<input type="text"/>	
Prior Vendor	<input type="text"/>	
		Supply Option
		Available from <input type="text"/>
		Available to <input type="text"/>
		<input type="checkbox"/> Regular Vendor

Purchase Order Unit of Measure

Order Unit

Conversion KG <-> KG

Var. Order Unit Not active

Purchase organization: Fill in the required details such as plant delivery time, purchase group, standard Qty, minimum Qty, rem shelf life, under tolerance, over tolerance, tax code, and net price.

Info Record Edit Goto Extras Environment System Help

Create Info Record: Purch. Organization Data 1

General Data Conditions Texts

Info Record

Vendor 910 JSW steel ltd.

Material 8003 steel metal sheet

Material Group VG00 TATA GROUP

Purchasing Org. PO Plant TM01 Standard

Control

Pl. Deliv. Time 5 Days Tol. Underdl. 2 % ☐ No MText

Purch. Group PG Tol. Overdl. 5 % ☒ Ackn. Rqd

Standard Qty 100 KG ☐ Unlimited Conf. Ctrl

Minimum Qty KG ☒ GR-Bsd IV Tax Code 11

Rem. Shelf Life D ☐ No ERS

Differential Invoicing

Shippg Instr.

Max. Quantity KG Procedure UoM Group

Rndg Prof. RMA Req.

Conditions

Net Price 300 INR / 1 KG Valid to

Effective Price 0,00 INR / 1 KG ☐ No Cash Disc.

Qty Conv. 1 KG <-> 1 KG Cond. Grp

Pr. Date Cat. No Control

Incoterms

Condition: here we maintain price related data. Ex. Gross price, discount, freight charges.

The screenshot shows the SAP 'Create Gross Price Condition (PB00) : Condition Supplements' dialog box. The 'Variable key' section contains the following data:

Vendor	Material	POrg	Plant	C	Description...
910	8003	PO	TM01	0	Standard

The 'Validity' section shows the following dates:

Valid From: 22.04.2022 Valid to: 31.12.9999

The 'Condition supplements' table is highlighted with a red box and contains the following data:

Zoom	CnTy	Name	Amount	Unit	per	U...	DeletionID	Scales	Texts
		PB00 Gross Price	300,00	INR		1 KG		<input type="checkbox"/>	<input type="checkbox"/>
		RB00 Discount (Value)	10,00	INR				<input type="checkbox"/>	<input type="checkbox"/>
		FRA1 Freight %	1,000	%				<input type="checkbox"/>	<input type="checkbox"/>

Create purchase info record.

The screenshot shows the SAP status bar with a green checkmark icon and the following message:

Purchasing info record 5300008970 PO TM01 created

The SAP logo is visible in the bottom right corner.

What is important of purchase info record?

Material with different prices regard to different vendors can maintain in info record.

Control			
Pl. Deliv. Time	4	Days	
Purch. Group	PG		
Standard Qty	100	EA	
Minimum Qty		EA	
Rem. Shelf Life		D	
Differential Invoicing			
Shippg Instr.			
Max. Quantity		EA	
Tol. Underdl.		%	
Tol. Overdl.		%	
<input type="checkbox"/> Unlimited			
<input checked="" type="checkbox"/> GR-Bsd IV			
<input type="checkbox"/> No ERS			
<input type="checkbox"/> No MText			
<input checked="" type="checkbox"/> Ackn. Rqd			
Conf. Ctrl			
Tax Code			
Procedure			
Rndg Prof.			
UoM Group			
RMA Req.			

Vendor: 910

Conditions			
Net Price	350	INR	/ 1 EA
Effective Price	0,00	INR	/ 1 EA
Qty Conv.	1	EA	<-> 1 EA
Pr. Date Cat.		No Control	
Incoterms			
Valid to			
<input type="checkbox"/> No Cash Disc.			
Cond. Grp			

Material 8011

Control			
Pl. Deliv. Time	4	Days	
Purch. Group	PG		
Standard Qty	100	EA	
Minimum Qty		EA	
Rem. Shelf Life		D	
Differential Invoicing			
Shippg Instr.			
Max. Quantity		EA	
Tol. Underdl.		%	
Tol. Overdl.		%	
<input type="checkbox"/> Unlimited			
<input checked="" type="checkbox"/> GR-Bsd IV			
<input type="checkbox"/> No ERS			
<input type="checkbox"/> No MText			
<input checked="" type="checkbox"/> Ackn. Rqd			
Conf. Ctrl			
Tax Code			
Procedure			
Rndg Prof.			
UoM Group			
RMA Req.			

Vendor: 915

Conditions			
Net Price	400	INR	/ 1 EA
Effective Price	0,00	INR	/ 1 EA
Qty Conv.	1	EA	<-> 1 EA
Pr. Date Cat.		No Control	
Incoterms			
Valid to			
<input type="checkbox"/> No Cash Disc.			
Cond. Grp			

From below figure we can see that how info record data like Net price, Planned Delivery date, Condition can be trigger automatically once we put vendor and material combination in purchase order.

Control

Pl. Deliv. Time 4 Days

Purch. Group PG

Control

Pl. Deliv. Time 4 Days

Purch. Group PG

Create Purchase Order

Document Overview On | Hold | Park | Print Preview | Messages | Personal Setting | Save As Template | Load from Template

S.	Item	A	I	Material	Short Text	PO Quantity	OU	C	Deliv. Date	Net Price	Curr...	Per	OPU	Matl Group	Plnt	Stor. Location
10				8011	bumper fascia	100	EA		26.04.2022	339,50	INR	1	EA	TATA GROUP	TATA MOTOR LTD P...	RAW PARTS

Item 1 [10] 8011 , bumper fascia

Material Data | Quantities/Weights | Delivery Schedule | Delivery | Invoice | Conditions | Account Assignment | Retail

View 1 Pricing Elements: Table

N...	CnTy	Name	Amount	Crcy	per	U...	Condition value	Curr.	Status	NumC...	OU	CConDe	Un	Condition value	CdCur	Stat
PB00		Gross Price	350,00	INR		1 EA	35.000,00	INR		1 EA		1 EA		0,00		
RA01		Discount % on Gross	3,000	- %		1 EA	1.050,00	INR		0				0,00		
		Net incl. disc.	339,50	INR		1 EA	33.950,00	INR		1 EA		1 EA		0,00		
		Net incl. tax	339,50	INR		1 EA	33.950,00	INR		1 EA		1 EA		0,00		
FRA1		Freight %	2,000	%			679,00	INR		0				0,00		
SKTO		Cash Discount	0,000	%			0,00	INR		0				0,00		
		Actual Price	34,000	INR		1 EA	34.629,00	INR		1 EA		1 EA		0,00		

Validity

Valid From 22.04.2022 Valid to 31.12.9999

Condition supplements

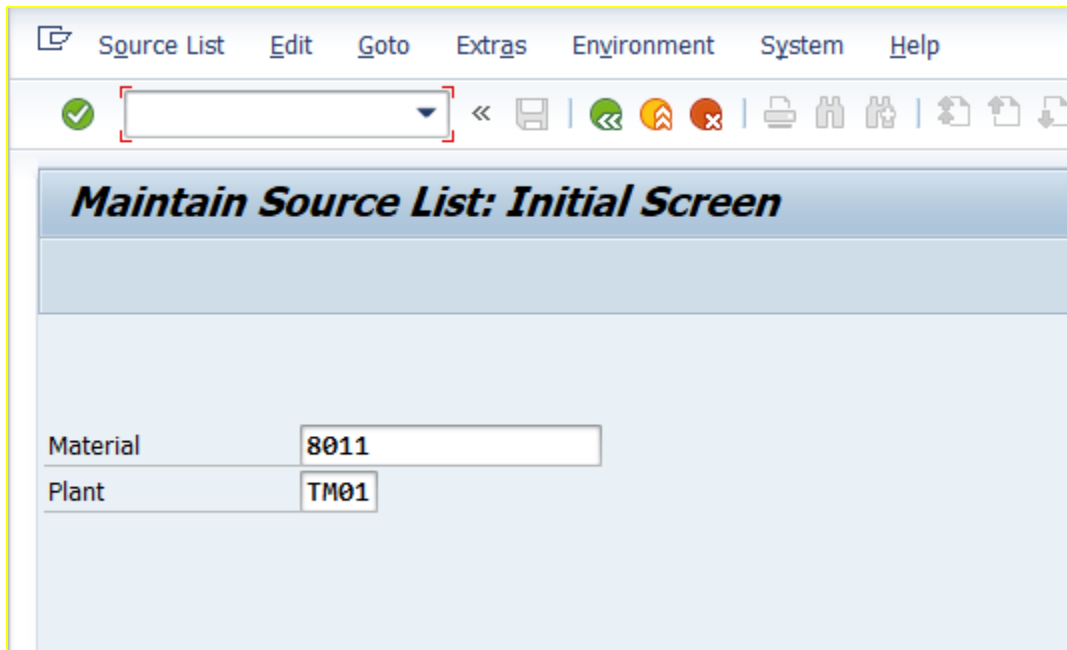
Zoom	CnTy	Name	Amount	Unit	per	U...	DeletionID	Scales	Texts
		PB00 Gross Price	350,00	INR		1 EA			
		RA01 Discount % on Gr...	3,000	- %					
		FRA1 Freight %	2,000	%					

Purchase order

Source list

- The combined information of material and vendor is kept in a record that is known as purchase info record. But a particular material can be ordered from different vendor in different time intervals. This information can be maintained in a list that is called as the source list.
- Source list includes a list of possible source of supply for a material over a given framework of time.
- Source list specifies the time period of ordering a particular material from a given vendor.
- Source list maintained at plant level.

T.code: ME01



The screenshot shows the 'Maintain Source List: Initial Screen' in SAP. The title bar includes menus: Source List, Edit, Goto, Extras, Environment, System, and Help. Below the title bar is a toolbar with a green checkmark, a dropdown menu, and various icons for navigation and actions. The main area of the screen has a light blue background. At the bottom, there are two input fields: 'Material' with the value '8011' and 'Plant' with the value 'TM01'.

Material	8011
Plant	TM01

Source List Edit Goto Extras Environment System Help

Maintain Source List: Overview Screen

Material **8011** bumper fascia
Plant **TM01** TATA MOTOR LTD PH-1

Valid from	Valid to	Vendor	POrg	PPI	OUUn	Agmt	Item	Central Con...	Cent. Contr...	Fix	Blk	M...	MRP Area
22.04.2022	22.04.2023	915	PO							<input checked="" type="checkbox"/>	<input type="checkbox"/>		
22.04.2022	22.04.2023	916	PO							<input type="checkbox"/>	<input type="checkbox"/>		

Source list specifies the time period of ordering a particular material from a given vendor. Also we can fixed or block the vendor

Fixed vendor: Above we can see I have maintained tow vendors for my material 8011 at plant level and fixed 915 vendors now, then while creating purchase requisition system will automatically give me this vendor for this particular period of time.

Purchase Requisition Edit Environment System Help

Create Purchase Requisition

Document Overview On Hold Park Personal Setting Save As Template Load from Template

Item 10 Material 8011 Short Text bumper fascia Quantity 100 Unit EA Delivery Date 27.04.2022 Material Group TATA GROUP Plant TATA MOTOR L... Stor. Location RAW PARTS PGr PG

Item 1 [10] 8011 , bumper fascia

Material Data Quantities/Dates Valuation Account Assignment Source of Supply Status Contact Person Texts Delivery Address

Agreement CentContr. Fixed Vendor 915 Info Record 5300008971 Desired Vendor

Purch.Org. PO Order Unit

Vendor Material No.

Assign Source of Supply

Fixed vendor

If I there to put different vendor, system is showing me this warning message.

The screenshot shows the SAP 'Source of Supply' screen for material 8011 (bumper fascia). The 'Fixed Vendor' field is set to 916 (WABCO India Ltd.). A warning message at the bottom states: 'A different source of supply is the fixed source for this date'. An orange arrow points from a text box 'Showing warning message' to the warning icon.

Item: 1 [10] 8011 , bumper fascia

Material Data | Quantities/Dates | Valuation | Account Assignment | Source of Supply | Status | Contact Person | Texts | Delivery Address

Agreement: [] [] Purch.Org.: PO Order Unit: []
CentContr.: [] Contract Hierarchy: []
Fixed Vendor: 916 WABCO India Ltd. Suppl. Plant: []
Info Record: 5300008972
Desired Vendor: []
Vendor Material No.: []

Assign Source of Supply

Warning: A different source of supply is the fixed source for this date

SAP ID7 (1) 800 sapides INS

Block vendor: now I got to source list and block the vendor.

The screenshot shows the SAP 'Maintain Source List: Overview Screen' for material 8011 (bumper fascia) at plant TM01 (TATA MOTOR LTD PH-1). The table lists source list records for vendor 916. The 'Fix' checkbox is checked and the 'Blk' checkbox is checked for the first record, indicating the vendor is blocked.

Source List

Material: 8011 bumper fascia
Plant: TM01 TATA MOTOR LTD PH-1

Source List Records

Valid from	Valid to	Vendor	POrg	PPI	OUn	Agmt	Item	Central Con...	Cent. Contr...	Fix	Blk	M...	MRP Area
22.04.2022	22.04.2023	915	PO							<input checked="" type="checkbox"/>	<input type="checkbox"/>		
22.04.2022	22.04.2023	916	PO							<input type="checkbox"/>	<input checked="" type="checkbox"/>		

Block the vendor 916

Purchase Requisition Edit Environment System Help

Create Purchase Requisition

Document Overview On Hold Personal Setting Save As Template Load from Template

NB Purch.requis. Stand. Source Determination

Stat	Item I	Material	Short Text	Quantity	Unit	C	Delivery Date	Material Group	Plant	Stor. Location	PGr	Requested By	TrackingNo	Desired Ven
	10	8011	bumper fascia	100	EA	D	28.04.2022	TATA GROUP	TATA MOTOR L...	RAW PARTS	PG			

Item: 1 [10] 8011 , bumper fascia

Material Data Quantities/Dates Valuation Account Assignment Source of Supply Status Contact Person Texts Delivery Address

Agreement CentContr. Purch.Org. PO Order Unit

Fixed Vendor 916 WABCO India Ltd.

Info Record 5300008972

Desired Vendor

Vendor Material No.

Assign Source of Supply

Source of supply blocked (according to source list)

SAP ID7 (1) 800 sapides INS

As I blocked vendor no system is showing me error message.