

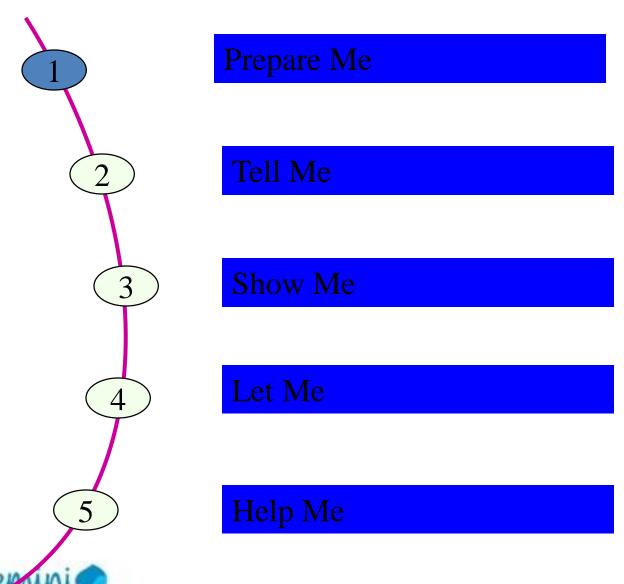
MM0003: MM Master Data – v1.0





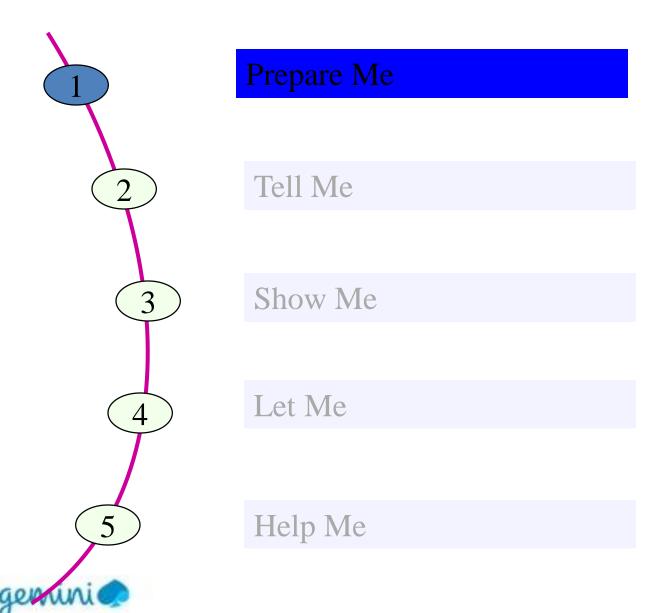


MM0003: MM Master Data



Master Data







Prepare Me

In this section, we will cover 3 topics which are,



- 2. Use
- 3. Challenges

"How important is Master Data in an organization for Daily transactions?"







Data Entry

Repeated, laborious & time consuming task of entering data during every Transaction

Processing





Consistency

Lack of Consistency and accuracy due to manual Data entry

A World without Master Data

Inadequate Control

Need to authorize every user to enter / change / modify even the sensitive information

Training Impact

Specialized trainings required to teach what to enter and where to enter





Master Data...?

The facts describing your core business entities: Example. Customers, Suppliers, other business partners, products, chart of accounts, & employees

The high value Information that an organization uses repeatedly across many business processes

Master Data is critical because it provides the business context by providing concrete data models for business processes

Ensures consistent master information across for transactional and analytical systems purposes



Use

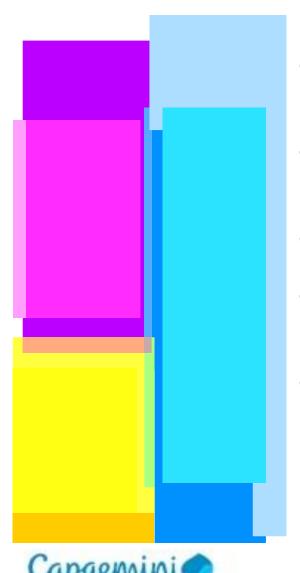


- Master Data are centrally stored and shared across departments
- to eliminate data redundancy
- Master Data helps in keeping validation & fast user entry for transactions
- One time creation of data which is rarely changed. Only the incremental data required to be maintained



Challenges

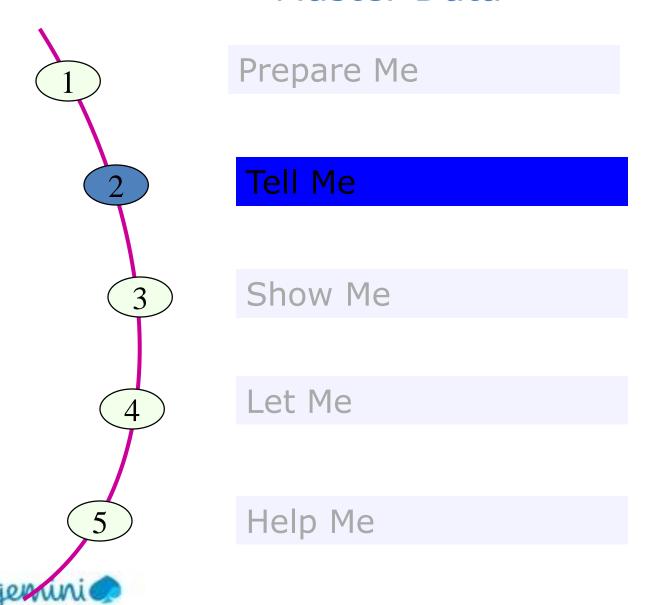




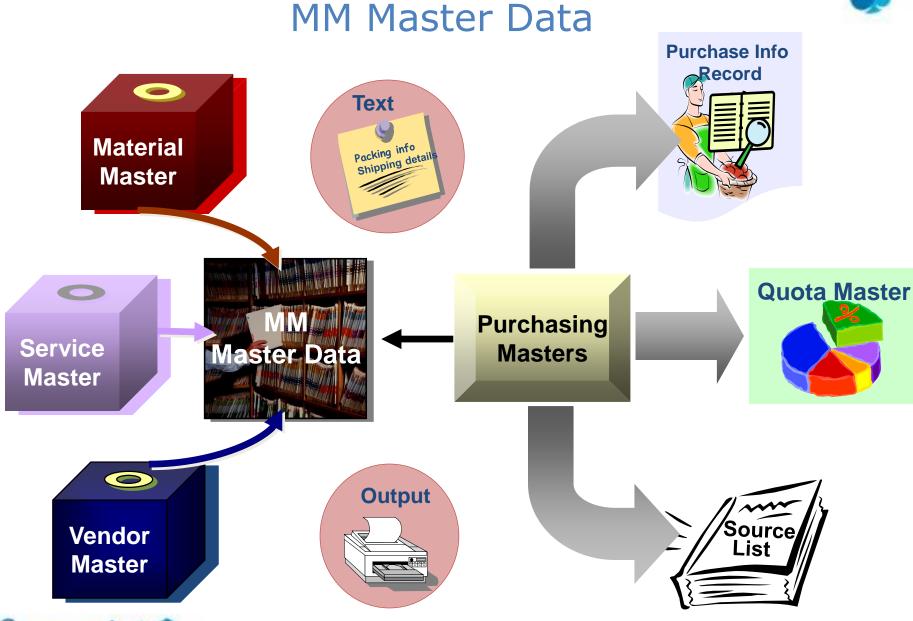
- Managing all the Master Data, important for the organization, centrally.
- Validating & ensuring correctness of data entered in the Master record.
- Avoiding duplication of data
- Formalizing a search strategy to search Master Data.
- Creating procedures & guidelines for periodic maintenance of the Master data records.



Master Data







Material Master





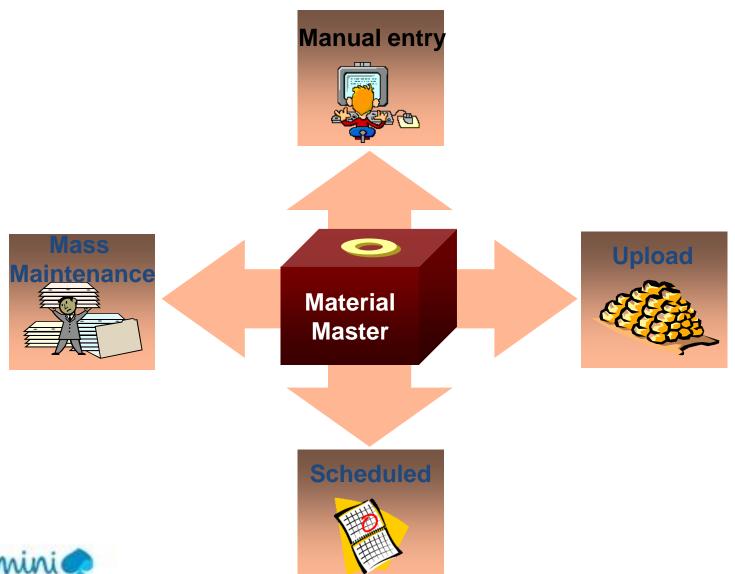
- Same Material is used by different Department, hence material has many Views
- Material Master has main view (Basic Data, MRP, Purch. Org) and Additional Views (UOM, Text, etc)
- In Material Master some views are maintained at Client Level where as the others are maintained at other Org level like Plant Level
- The data in the Material Master are either descriptive (name, size, etc) or can control certain functions (material grp, procurement key)
- Material Master has apprx. 800 fields







Material Master - Create / Modification





Vendor Master





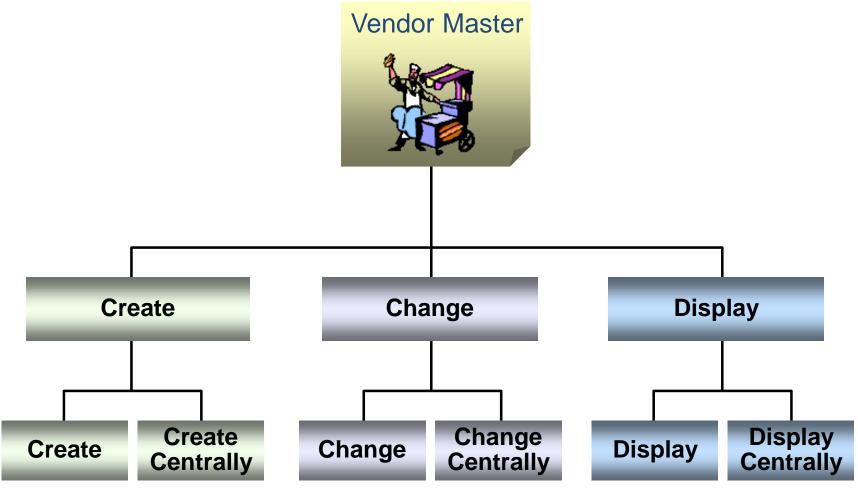
- Vendor Master contains information about the Vendor who supplies goods and services. These information's are necessary for processing Purchasing documents like the Purchase Requisition, Purchase Order
- Vendor Master contains information's like the Vendor details, Accounting details and Purchasing details like the Terms of Payment, Currency, etc
- Each Vendor Master will have a unique Vendor Number which can be Internal or Externally generated
- Mostly a Vendor Master belongs to one Purchase Organization, which can be extended to many other Purchase Organization
- In Vendor Master, Purchasing details can also be maintained at the Plant level by using Vendor Sub-range



Vendor Master Record



Options for Vendor Data





Service Master





- Service Master serves as a Master Data within External Service Management and the data stored in the Service Master can be called while creating service specifications
- Service Master contains the short and long description of services that need to be procured are stored
- Along with description, Service Master contains
 - Unique Service Number
 - Service Category
 - Base Unit of Measure
 - Material Group
- Price can be defined in the Service Master through Service conditions



Purchase Info Record





- Purchase Info Record represent Vendor-Material relationship and it contains concise information about the Vendor and a Material
- Purchase Info Record can be created manually or automatically during maintenance of Quotations, Purchase Order or Outline Agreements
- Purchase Info Record can be created with or without material. Incase of without material, it is created for a Material Group
- Purchase Info Record also shows the last purchasing document created for the Material Vendor combination



Source List





- Source List is maintained for a Material, Plant combination and helps in Source Determination
- Source list display for a material all the allowed and disallowed Vendors within a Plant for a specified period
- Every Source in Source List is maintained for a specified period of time
- Plant can also be assigned as a source of supply in the Source List





Quota Arrangement

Quota 60 %



Material Requirement

Quota 40 %





- Quota Arrangement divides the total requirement of a material over a period among certain sources of supply by assigning a quota to each source
- Quota can be of 2 types
 Allocation Quota: The Vendor who scores the lowest Quota rating gets the order. The Quota rating is calculated based on:
 Quota allocated qty + base qty
 Quota

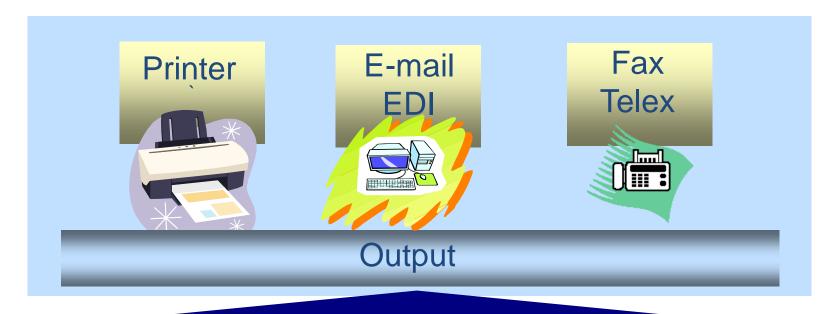
Base qty is a manual qty added to Vendors account Split Quota: The requirement is simply distributed among Vendors based on the pre defined ratio

- Quota also has feature of controlling
 - a. Min & Max Qty
 - b. Lot Size
 - c. Blocking of Vendor



Output Determination

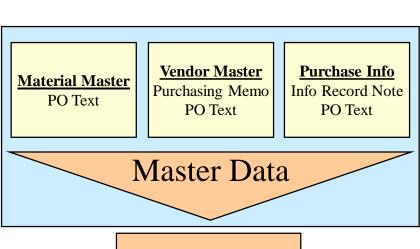




Purchasing Document

- Output types are used to represent various forms of output in the SAP system. Examples of output types PO processing, Invoice Print...
- Different Mediums of transmission can be assigned to output type. Example Print, Fax, EDI...
- You can send output documents more than once. This can be useful if, for example, there are technical or other problems when you print an output document the first time





DOCUMENT

Purchase Req

Purchase Ord

Outline Agreement

Text

Document

Header

- Header Text
- Header Note
- Pricing Types
- Terms of Delivery
- Shipping Instruction

Item

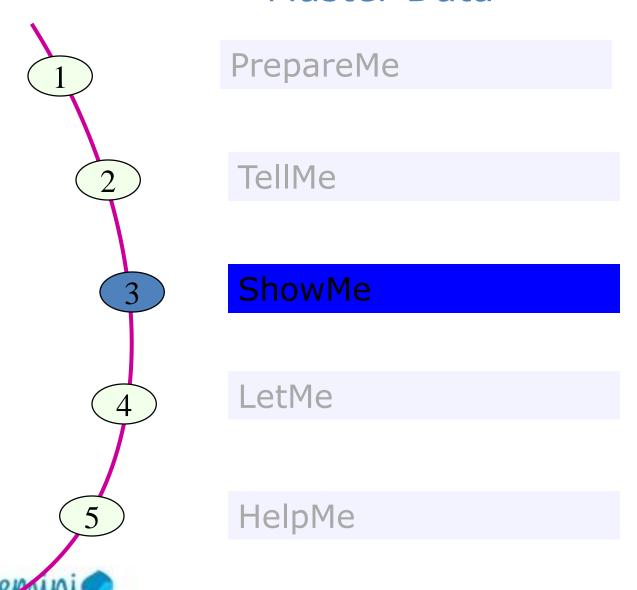
- •Item Text
- •Info Record PO Text
- Material PO Text
- Delivery Text
- •Info Record Note

- Texts are proposed from the master records in the Purchasing documents, if you have made the appropriate setting
- Text can be copied from the reference Purchase document into another document. Example PO created with reference to a Contract
- The copying of texts can be made language dependent, if required. You can also change the copied text
- Text Types play a major role in determining the Text both at Header Level and Item Level





Master Data





MM Master Data

Configuration of Master data

Maintenance of Master data





MM Master Data

Configuration of Master data

Maintenance of Master data





Material Master - Material Type

ROH - Raw - Material HALB - Semi - Finish VERP - Packaging FERT - Finish

Control

- Number Assignment
- Procurement Type
- Users departments
- Field Selection
- Account Determination
- Inventory Control

Material Type controls:

- Number Assignment (Internal or External). It also controls the Number Range Interval
- Whether to have Internal (In house manufacturing) and/or External Procurement
- Which types of Views (Purchasing, MRP, Sales, Accounting, etc) need to be displayed
- Which Screen appears and in what sequence
- The Fields in Material (optional, required, display or suppressed)

Along with Plant it controls:

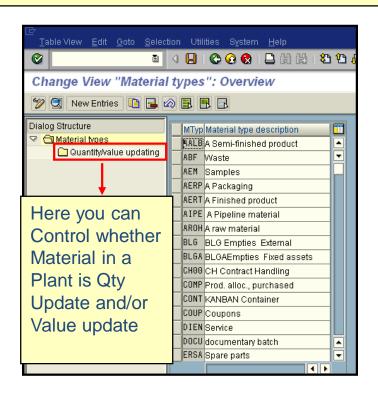
- Whether changes in quantity are updated in Material Master
- Whether changes in value are updated in the stock accounts in Financial Accounting



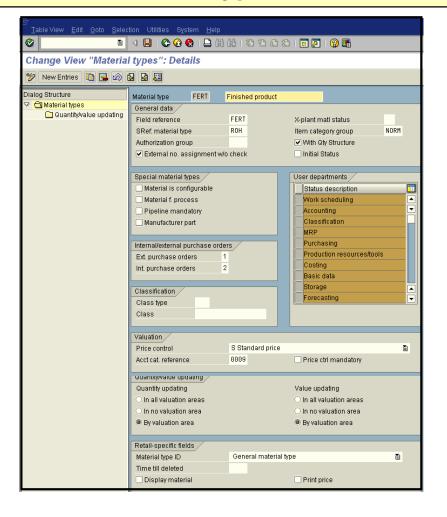
Material Master - Material Type



SPRO → Logistics General → Material Master → Basic Settings → Material Types → Define Attributes for Material Type



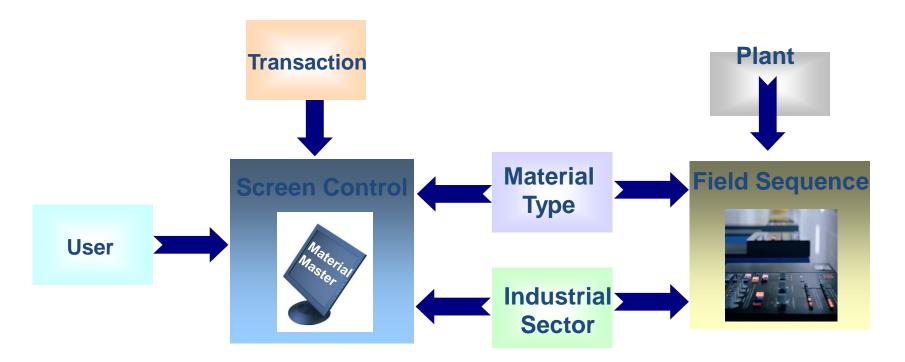
Select to display the details of Material Type







Material Master - Field/Screen Control



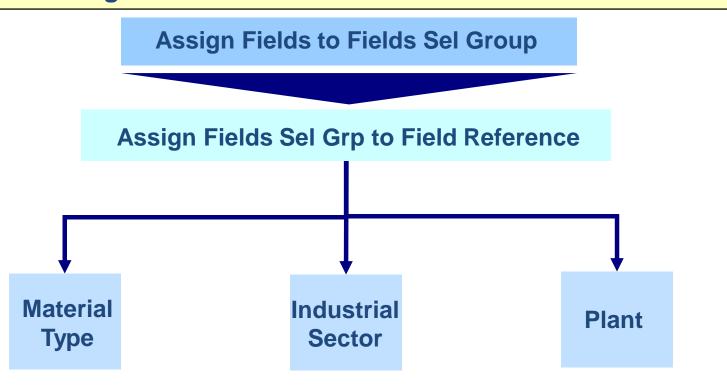
- Screen Control defines which views need to be maintained for the Material
 Master and the sequence in which the Views need to be displayed
 Example: An organization does not have Warehouse, hence there is no need of
 WM view in the Material Master
- Field Selection defines whether a Field is hidden, displayed, mandatory or optional in the Material Master Maintenance



Material Type - Field Control



SPRO → Logistics General → Material Master → Field Selection



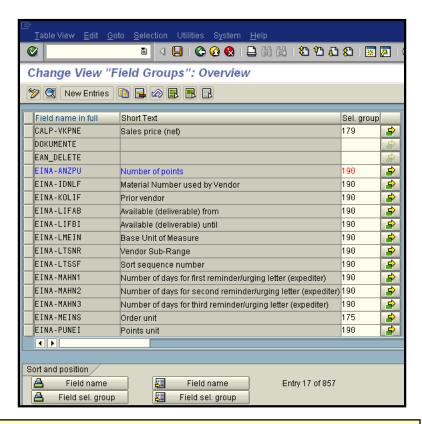
- Field Reference can either be assigned to Material Type, Industrial Sector and/or Plant
- The Fields name will show the Table (the 1st four characters) and the Field name in the Table. Example: MARA MIENS: Base Unit of Measure



Material Type - Field Control

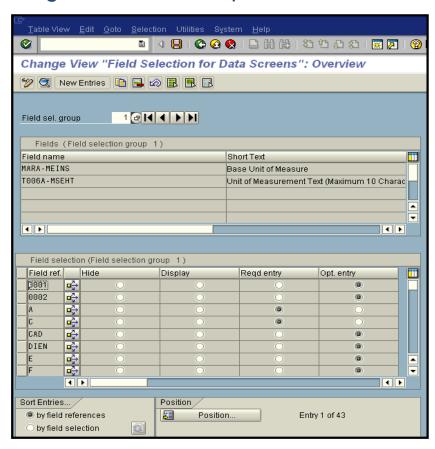


Assign Field to Field Sel Group



Search the Field through Field name
Search the Field Grp through Field sel. group

Assign Field Sel Group to Field Ref



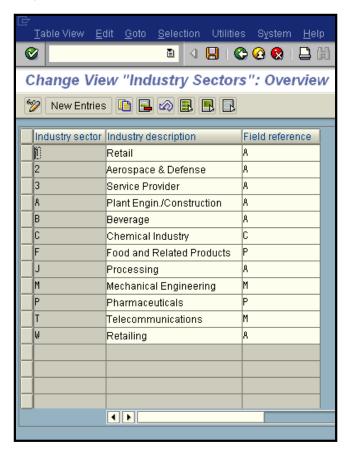
Select to check the where use list of Field Reference



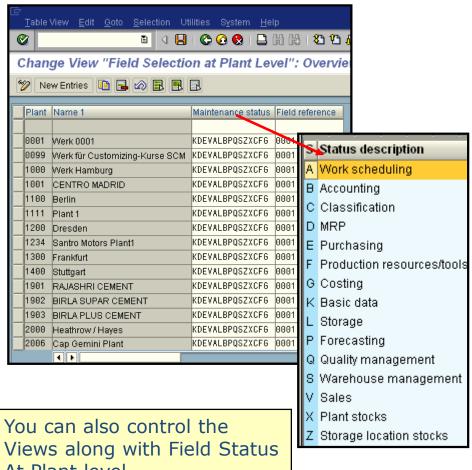
Material Type – Field Control



Assign Field Ref to Ind Sector



Assign Field Ref to Plant

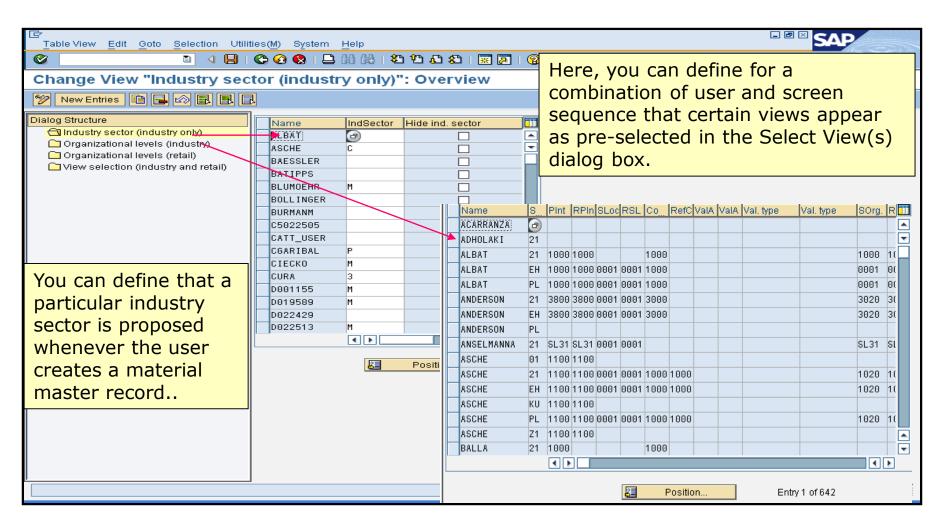


At Plant level



Material Master - Screen Control



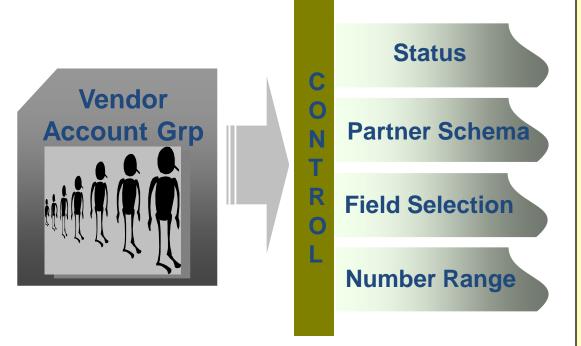


You can define for a combination of user and screen sequence, the organizational levels that are proposed whenever the user creates, changes, or displays a material master





Vendor - Account Group



Vendor Account Grp Control:

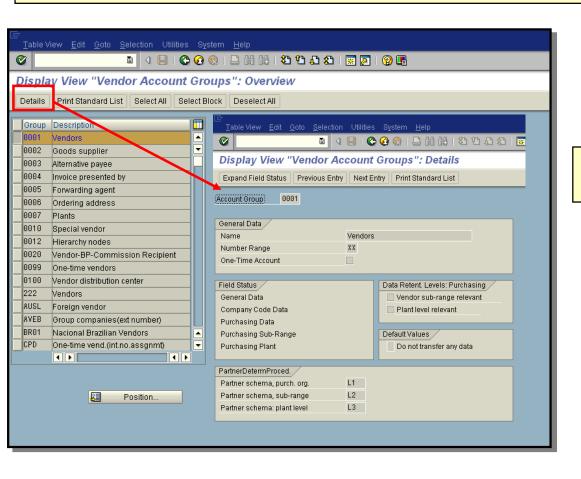
- Whether the Vendor is a normal or one time Vendor
- Controls the Partner Roles
- Which fields in the Vendor master should be optional, required, display or suppressed
- Number Assignment (Internal / External) and Number range interval
- Whether the data can be maintained at Vendor Sub – Range level and or at Plant level



Vendor - Account Group



SPRO → Logistics General → Business Partner → Vendors → Control → Define Account Group and Field Selection



You can also access the Transaction through T Code: OMSG

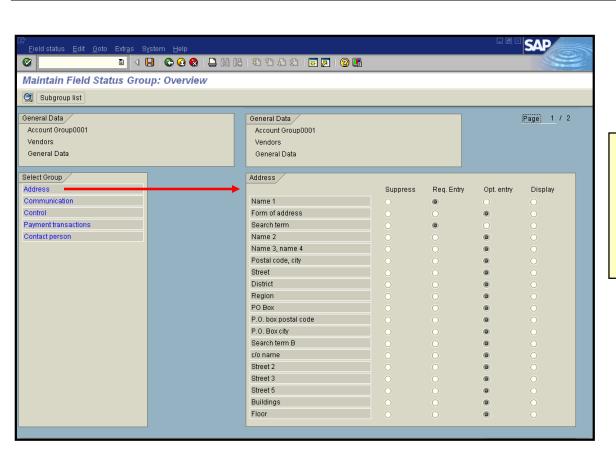


Vendor - Account Group



Field Control

SPRO → Logistics General → Business Partner → Vendors → Control → Define Account Group and Field Selection

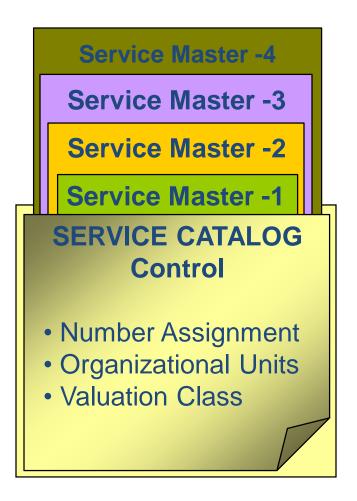


In the Account Group, under Tab "Field Status" double click each view to display its relevant "Select Group". Double click the "Select Group" to update the Field Status





Service Master - Service Category



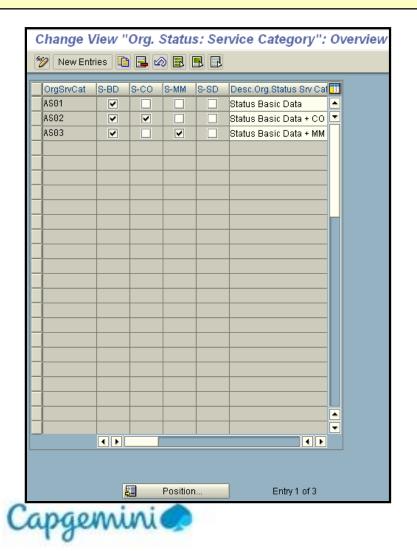
- Service Category helps in grouping Service
 Master records based on there usage
- Service Category is the most important criterion for structuring Service Master
- It provides default value for the Valuation Class
- Service Category also controls the number range assignment for Service Master
- The standard Service Category available are:
 - Master Records describing internal service
 - Master records describing externally procured services
 - Master records describing third party performed services

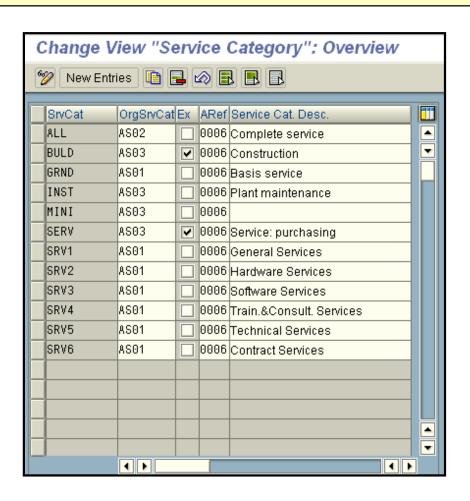


Service Master - Service Category



SPRO → Materials Management → External Service Management → Service Master





Purchase Info Record



SPRO → Materials Management → Purchasing → Purchase Info Record

You can customize:

- Whether to have an internal or external number range. Standard SAP have separate number ranges for Stock material and Non-stock Material
- The field status (optional, mandatory, display or suppressed) through Field Selection group
- The header and item text for Info Record
- Whether the Purchase order price history is to be updated with the net price or the effective price
- Your own search help over and above provided by the standard SAP. Standard SAP provides
 - Search via Vendor
 - Search via Material
 - Search via Material Group
 - Search for External Processing





Message Output



Without Message Determination

With Message Determination



Output - Message Determination





Message Schema RMBEF0: PO



Message Type

NEU: New Po Print

MAHN: Dunning

• ERIN: Reminder

Printer: LOCAL Medium: PRINT

Transmit: IMMEDIATELY

Language: ENGLISH

Condition Record

- Doc Type/ Purch org
- Doc Type/ Purch Org/ Vendor





MM Master Data

Configuration of Master data

Maintenance of Master data



Agenda



Material Master

Vendor Master

Service Master

Purchase Info Record

Source List

Quota Arrangement

Output Determination





Vendor Master

Service Master

Purchase Info Record

Source List

Quota Arrangement

Output Determination







BASIC DATA

SALES

MRP

Purchasing

QUALITY

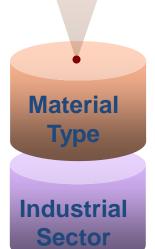
ACCOUNTING

COSTING

Plant / SLOC

10





ADDITIONAL VIEW

TEXT

UOM

ADDITION EAN

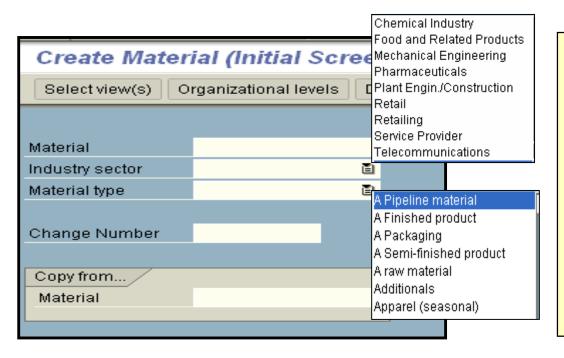
DOCUMENT DATA

CONSUMPTION

- Same Material is used by different Department, hence material has many Views
- Material Master has main view (Basic Data, MRP, Purch. Org) and Additional Views (UOM, Text, etc)
- In Material Master some views are maintained at Client Level where as the others are maintained at other Org level like Plant Level
- The data in Material Masters are either descriptive (name, size, etc) or can control certain functions (material grp, procurement key)
- Material Master has apprx. 800 fields

Material Master - Create





Important Transaction

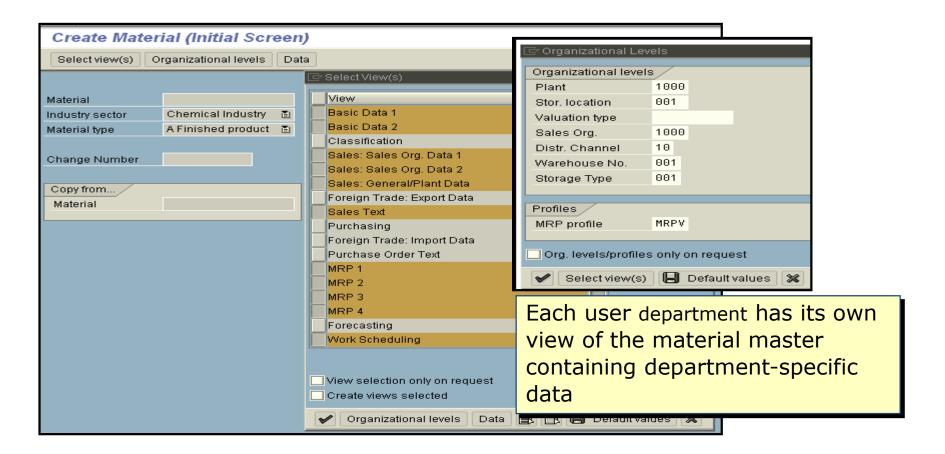
- MM01: Create Material
- MM02: Change Material
- MM03: Display Material
- MM04: Display Material Change Doc.
- MM06: Flag Material For Deletion
- MM17: Mass Maintenance
- MM50: List Extendable Materials
- MM60: Material List
- MM70: Select Mat. Flagged for Del
- MMSC: Enter S Loc collectively
- MMAM: Change Material Type
- MR21: Change Material Price

- The Material Master to be able to be used needs the following pre-requisites:
 - Define Industry Sector & Material Types
 - Define internal and external number ranges
 - Define Screen Sequence
- Material Master can also be copied from the existing created Material





Material Master - Create

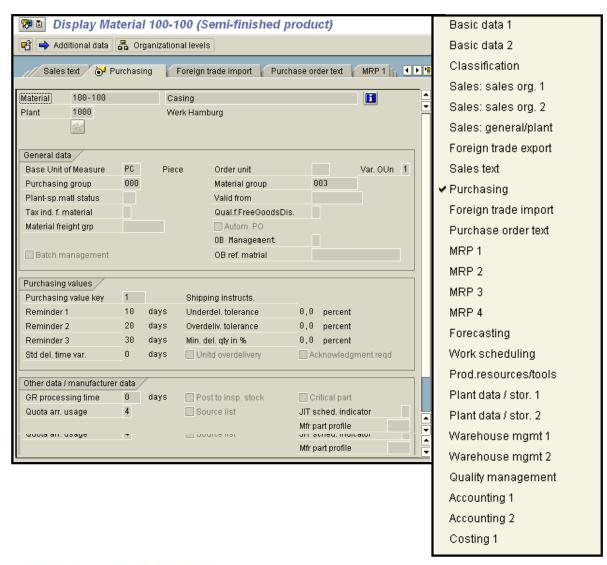


In Material Master some views are maintained at Client Level where as the other are maintained at other Org level like Plant Level. Purchasing View are maintained at Plant Level





Material Master - Create

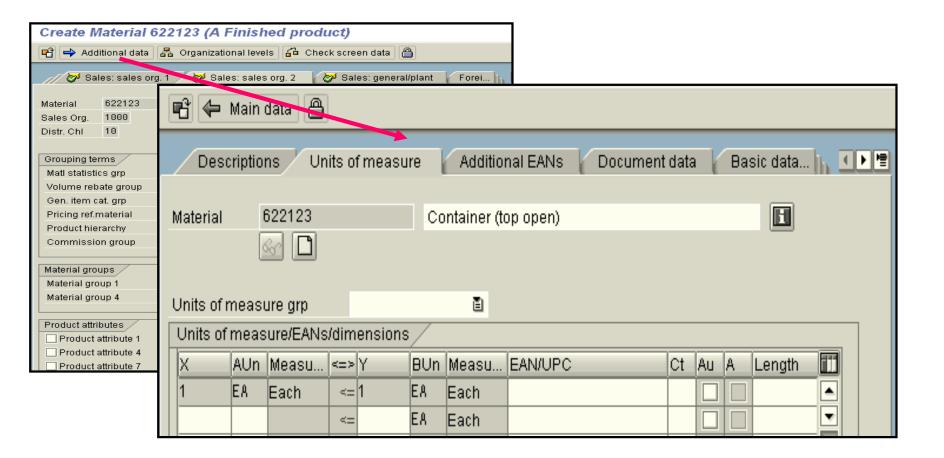


- Select to display all the views of Material Master
- Select to get the general information of the person who has created





Material Master – Additional Data



Descriptions in different languages, Units of measure, Basic Data Text etc can be maintained in Additional data





Views	Org Level	Attributes
Basic Data - 1	Client	Base Unit Measure, Material Grp, Division, Gross Weight, Net Weight
Basic Data - 2	Client	Details of Design Drawing, Variant Configuration
Sales Org - 1	Plant - Sales Ord - Dist	Delivering Plant, Dist Channel, Division, Tax data, Sales Unit
Sales Org - 2	Plant - Sales Ord - Dist	Item Cat Grp, Acct assignment Grp, Mat Statistics Grp, Product Hierarchy
Sales General	Plant - Sales Ord	Loading Grp, Trans Grp, Profit Center
Purchasing	Plant	Purchasing Grp, Order Unit, Purchasing Value key, Plant sp material status
MRP - 1	Plant - Storage Loc	MRP Grp, MRP Type, Reorder Point, MRP Controller, Lot size, MRP Area
MRP - 2	Plant - Storage Loc	Procurement Type, Prod S Loc, Default supply area, Quota Arrangement, Safety Stock, Schedule
MRP - 3	Plant - Storage Loc	Period Indicator, Availability check,
MRP - 4	Plant - Storage Loc	BOM explosion details, Repetitive manufacturing





Views	Org Level	Attributes
Plant/S Loc - 1	Plant - Storage Loc	Shelf life data
Plant/S Loc - 2	Plant - Storage Loc	Serial No data
Accounting - 1	Plant - Valuation type	Valuation Class, Price Control, Moving Price, Standard Price, Total Value, Valuation Category
Accounting - 2	Plant - Valuation Type	Tax Price
Costing - 1	Plant	With Qty Structure, Variance key, Production Version
Costing - 2	Plant	Cost Estimate,
Plant Stock	Plant	Current Period, Previous Period, Plant Stock Current Period, Plant Stock Previous Period.
S Loc Stock	Plant - Storage Loc	Current Period, Previous Period, S Loc Stock Current Period, S Loc Stock Previous Period





Vendor Master

Service Master

Purchase Info Record

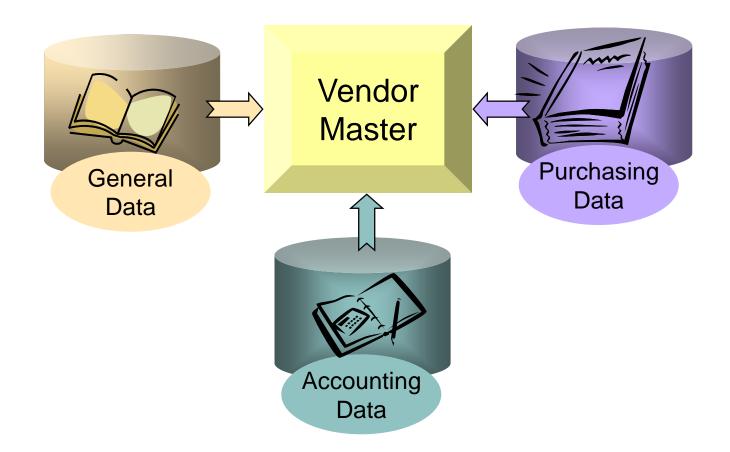
Source List

Quota Arrangement

Output Determination



Vendor Master



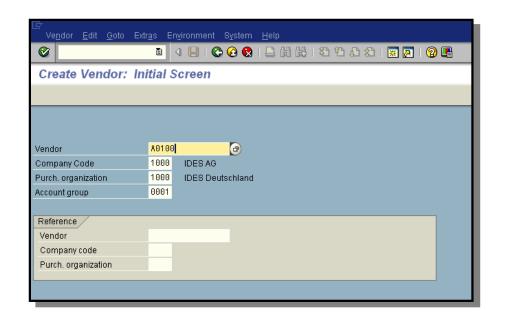
Vendor Master also contains Partner Role, where supplying address, Invoice address, Payee address are maintained

Purchasing Data can also be maintained at Plant Level using Vendor Sub – range





Vendor Master - Create



Few Transaction Code:

XK01: Create Vendor (Centrally)
XK02: Change Vendor (Centrally)
MK01: Create Vendor (Purchasing)
MK02: Change Vendor (Purchasing)
FK01: Create Vendor (Accounting)
FK02: Change Vendor (Accounting)
XK03: Display

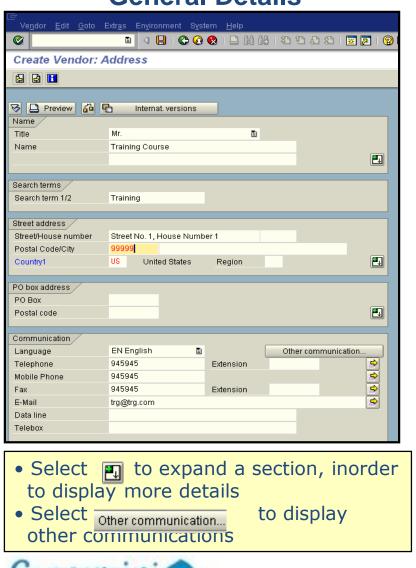
- •Internal/External Number range for Vendor Number is controlled by the Account Group
- Vendor Master can also be created with reference to existing Vendor Master, Company Code and Purchase Organization



Vendor Master - Create



General Details

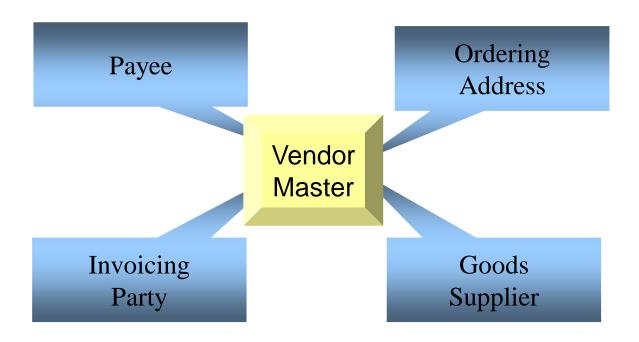


Purchasing Data

	A0100	Training Course
Purchasing Org.	1000	DES Deutschland
Conditions /		
Order currency	USD	
Terms of paymnt	999	1
Incoterms	CFR	Cost & Freight
Minimum order valu	ie	
Schema group, ven	dor 91	Standard procedure vendor
Pricing date cat.		No control
Order optim.rest.		
Sales data /		
Sales uata Salesperson		
Telephone		
Acc. with vendor		
Acc. Willi veridor		
Control data		
GR-based inv. ve	rif.	ABC indicator
✓ AutoEvalGRSetm	nt Del.	ModeOfTrnsprt-Border
AutoEvalGRSetm	nt Ret	Office of entry
Acknowledgmen	t reqd	Sort criterion By VSR sequence number
Automatic purcha	ase order	PROACT control prof.
Subsequent sett	lement	Revaluation allowed
Subseq. sett. ind	ex	Grant discount in kind
B.vol.comp./ag.n	ec.	Relevant for price determ. (del.hierarchy)
Doc. index active		Relevant for agency business
Returns vendor		
Srvbased inv. ve	er.	Shipping conditions
Default data materia	1/	
Purchasing group		
Planned deliv. time		Day(s)
Confirmation contro	1	
Unit of measure grp		
Rounding profile		
Service data		
Price marking agree		



Vendor – Partner Functions

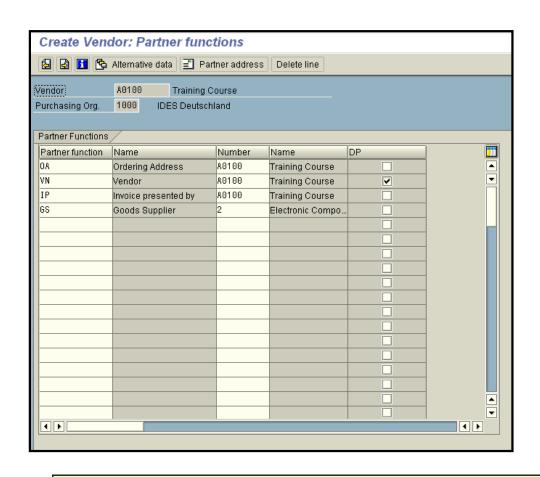


In the Procurement process a Vendor is first the "Ordering Address", then the "Supplier of goods", then the "Invoicing Party" and finally the "Payee"
Hence several Partner roles (Partner Functions) can be assigned to the Vendor





Vendor Master – Partner Function



- Select the option "DP", if any of the Partner function need to be made as default while processing
- Select the option to display the addieses any different Vendor is added in the Partner function

Select to see the Administrative details like the Creation Date, Account Group.



Vendor Master



Views	Org Level	Attributes
General Data	Client	Name of Vendor, Address, Telephone, Fax Number, Bank Details, Alternative Payee
Company Code Data	Company Code	Reconciliation Account, Tax details, Payment terms, Payment Methods,
Purchasing data	Purchase Org	Order Currency, Terms of Payment, Incoterms, Vendor Schema Group. Controls GR based Invoice Verification Auto ERS ABC Indicator Automatic Purchase Order Default data: Purchasing Group Planned delivery time Rounding Profile





Vendor Master

Service Master

Purchase Info Record

Source List

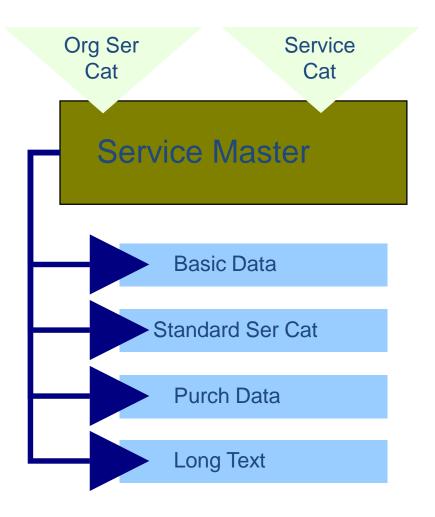
Quota Arrangement

Output Determination





Service Master

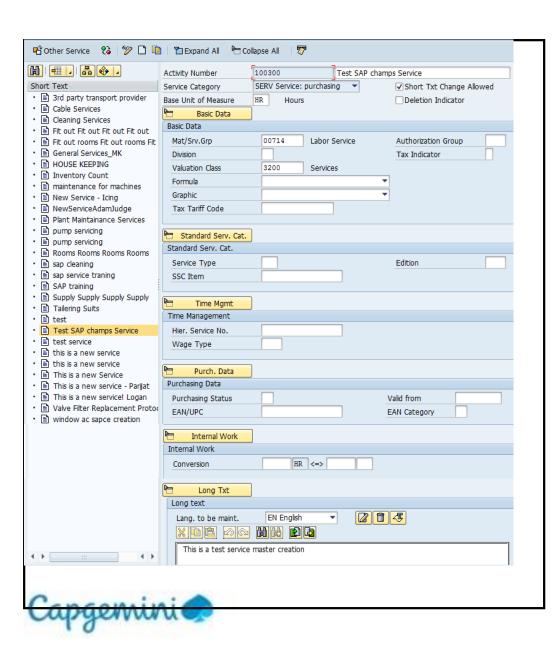


- Organization Service Category controls the Views in Service Master
- Service Category controls the Number range, default value for Valuation Class, etc
- Basic Data contains data like Material Grp, Division, Valuation Class & Authorization Group
- Purchasing status, Validity, EAN is maintained in Purchasing data
- Service Master can be created through Transaction Code: ACO3



Service Master

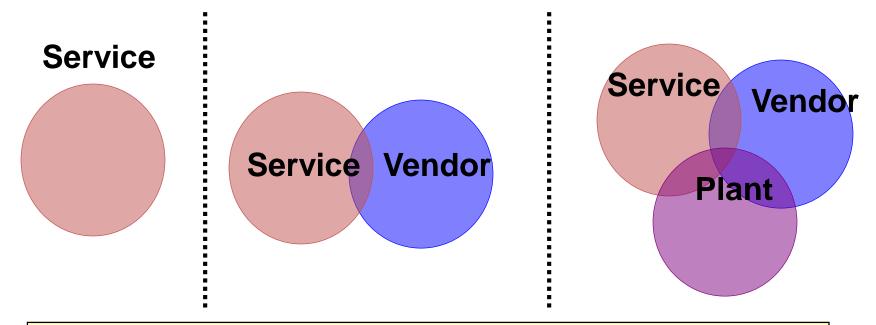




- Material Group helps to club services with same attributes
- Default Valuation Class can be assigned which helps in account determination
- Formals helps in calculating quantities
- Purchasing Status helps in restricting the use of Service Master
- Text entered in the Long Text gets copied in service PO under Service text



Service Master - Master Condition

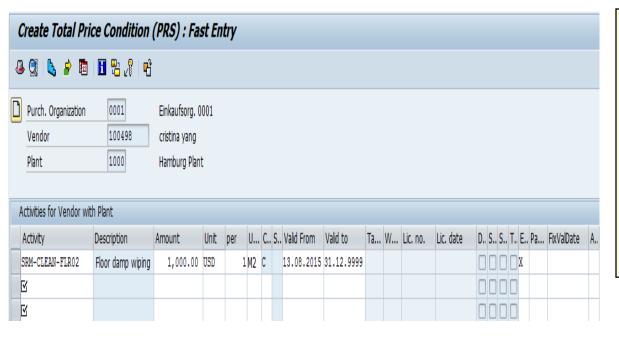


- Master Conditions can be maintained at:
 - Service Level → Transaction Code: ML45
 - Service Vendor Level → Transaction Code: ML39
 - Service Vendor Plant Level → Transaction Code: ML33
- Prices stored in the Master conditions are proposed in service specifications





Service Condition



- Prices are maintained for a specific periods
- You can also assign Payment Terms to a Service Master
- Service Conditions can also be updated through the current Purchasing document





Vendor Master

Service Master

Purchase Info Record

Source List

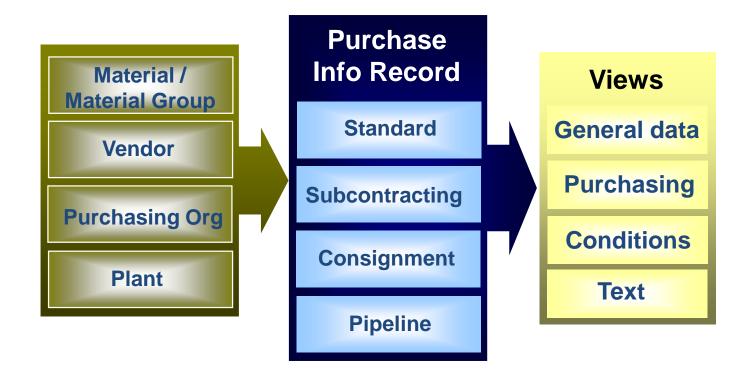
Quota Arrangement

Output Determination



Purchase Info Record





- •PIR are created for Standard, Subcontracting, Pipeline & Consignment Purchase
- •PIR contains information like Vendor price, Payment Terms, Standard Qty, Text.
- •PIR is valid for all Plant covered by the Purchasing Organization
- Purchasing Info Record also displays the Order price history for each purchase order created





Purchase Info Record

Vendor Material Purchasing Org. 1000 Plant 1000 Info record Info category Standard Subcontracting Pipeline Consignment

Few Transaction Code:

ME11: Create PIR ME12: Change PIR

ME13: Display PIR

Purchasing Data

Create Info Record: Purch. Organization Data 1					
General data Co	onditions	exts			
Info record					
Vendor	A0100	1	Fraining Course		
Material	100-100	(Casing		
Material group	003	E	3ulbs		
Purchasing Org.	1000	F	Plant	1000 Standar	d
Control					
PInd dely time	10 Days		Tol.Underdel.	*	☐ No MText
Purch. group	000		Tol.Overdel.	*	☐ ConfReq
Standard qty.	10	PC	Unlimited		Conf.Ctrl
Minimum qty		PC	✓ GR-Based I	V	Tax Code
Rem. shelf life	D		☐ No ERS		
Shp.Instr.					
			Exp/imp proced	1.	
Maximum qty		PC	Round.Prof.		Unit group
Conditions					
Net price		10 USD	/ 1 PC	Valid to	
Effective price		0,00 USD	/ 1 PC	No cash dis	ic.
Qty Conv.	1 PC	<->1	PC	Cond.Grp	
Pr. date cat.	No contr	ol			
Incoterms					

- Separate Number range for PIR can be maintained for Stock and Non Stock materials
- It is mandatory to enter the Material Grp, when PIR is created with out Material Master





Purchase Info Record: 1

Valid From 01 – Jan – 14 Valid To 31 – Jan - 14

Valid From 01 – Jan – 15 Valid To 31 – Jan - 15

Condition Type	Amt	Unit	Per	UOM
Gross Price	100	USD	1	EA
Discount	10	USD	1	EA
Freight %	1	USD	1	EA

Condition Type	Amt	Unit	Per	UOM
Gross Price	200	USD	1	EA
Discount	15	USD	1	EA
Freight %	1	USD	1	EA

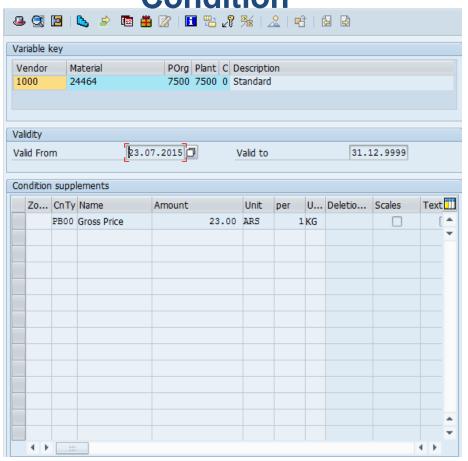
- Price and conditions maintained in the PIR are picked in all the Purchasing documents created for the Material/Vendor combination
- Scales can also be maintained for certain Condition Types





Purchase Info Record

Condition



- Select to maintain scales for a Condition Type
- Select to display the details of a Condition Type
- Select to display the Header details of a Condition Type
- Select ____ to display all the Condition Type

• From the Purchasing menu, select

Conditions

to create Pricing Conditions.

• Pricing conditions can be maintained for different validity periods





Views	Attributes
General View	Reminder, Vendor Material No, Sub-range, Order Unit, Conversion
Purch Org – 1	Planned delivery time, Purch Grp, Standard qty, Tolerance limit, Net Price, Minimum Qty, max qty, Tax code, Rounding profile, Qty Conversion Control: • Unlimited Tolerance limit • GR based IV • No ERS
Purch Org – 2	Quotation Reference, Last Purchasing Doc and Date
Text	Info record note, PO text





Vendor Master

Service Master

Purchase Info Record

Source List

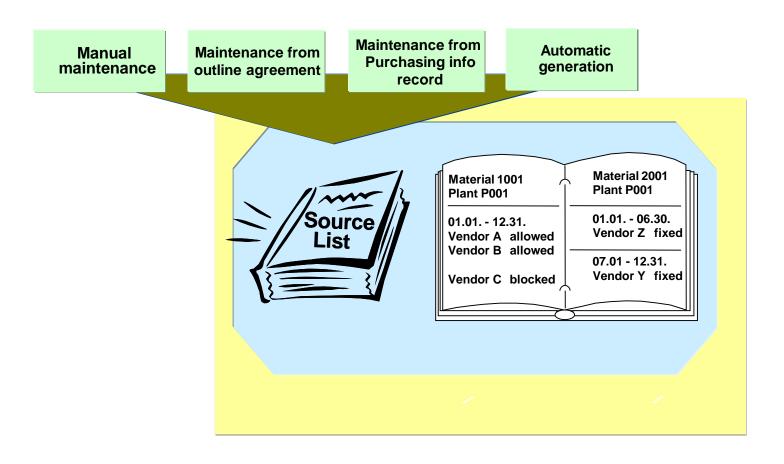
Quota Arrangement

Output Determination



Master Data - Source List





- Source List contain allowed, preferred or blocked source of supply of a Material in a Plant
- Within Contract maintenance function, Source List can be created for a material grp for Contract Items with the Item Category M (Material Unknown) or W (material group)





Source List Creation - Collectively

Info Record

Material: 2001

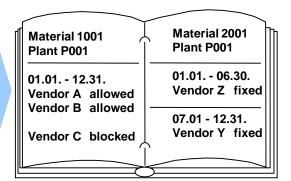
Vendor: A Plant: P001

<u>Outline</u>

Agreement

Material: 2001

Vendor: B Plant: P001

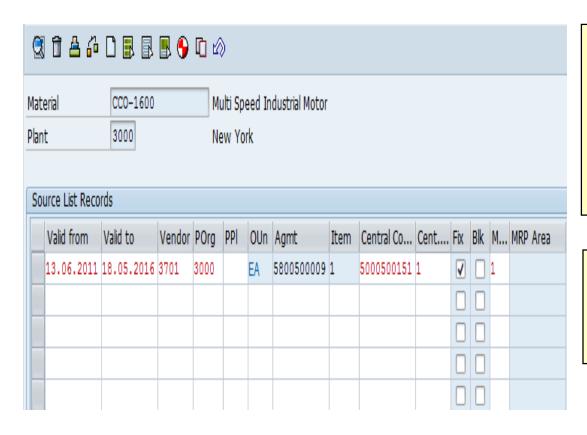


- •The Trans Code to create Source List collectively is ME05
- •It allows to update all of the material source of supply
- It considers the Info Record and the Outline Agreement available for a Material Vendor combination
- •There is a preview function for creating Source List. This allows to simulate the Source List before actual creation
- After update the Source List can be restored to their original status



Source List





- Select to display all the valid Source of Supply
- You can enter Vendor or Plant as a Source of Supply
- Purchase Info Record is mandatory to assign a Vendor as an Source of Supply

Few Transaction Code: ME01: Maintain Source

ME02: Display Source ME04: Change Source





Vendor Master

Service Master

Purchase Info Record

Source List

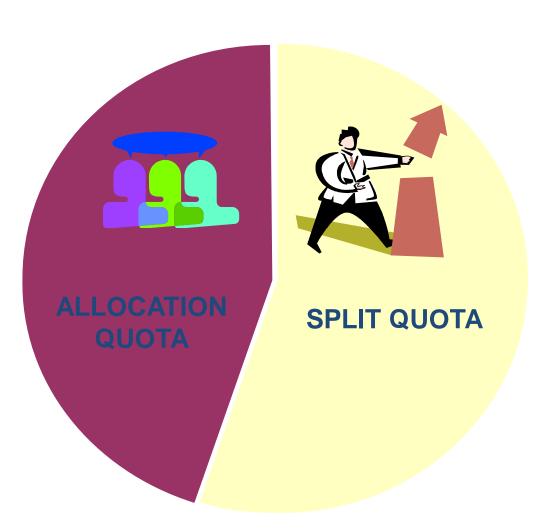
Quota Arrangement

Output Determination



Quota Arrangement





- Quota can be Allocated and Split Quota. Split Quota is controlled by the Lot Size maintained in the Material Master
- System generates a Unique No to each Quota Arrangement
- Quota also controls
 - a. Min & Max Qty
 - b. Lot Size
 - c. Blocking of Vendor





Quota Arrangement – Allocation Quota

Quota rating = Allocated Qty + Quota base Qty Quota

Material: A Reqt: 1000

Source	Quota	Allocated Quantity	Base Quantity	Quota Rating
Vendor – A	25	500	100	24
Vendor – B	75	3000		40

- The source with the lowest Quota Rating represents the effective source
- If more that one Quota has the Quota rating as zero, then the source with highest Quota is the effective source
- The Quota base quantity can be used when a new source is included in an existing Quota arrangement. The Quota base quantity enables to prevent a situation in which the new source is assigned all requirement until its Quota allocated quantity exceeds the quota allocated quantity of one of the old sources







Quota Arrangement – Split Quota

Quota rating = Quota Source of Supply X Required Quantity Total of all Quota

Source	Quota	Quantity
	5	500
Material: A Reqt: 1000	3	300
	2	200

Min Splitting Qty: 200

Material: A Reqt: 1000

Source	Quota	Quantity
Vendor – A	5	200
Vendor – B	3	
Vendor – C	2	



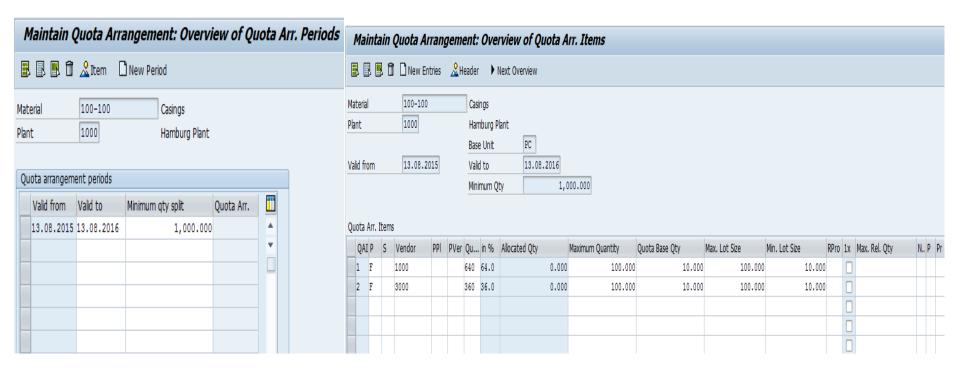
Quota Arrangement - Other Control

- Maximum limit can be maintained for a Source for a specified period of time. If the max limit is reached or exceeded within the period, then the source is no longer suggested for the Quota arrangement
- Minimum & Maximum Lot Size can also be maintained for a Source
- Maximum Lot size refers to the greatest possible order proposal quantity. If a requirement exceed the maximum lot size quantity, several order proposals are suggested with quantities equal to maximum lot size, unit the total quantity required is covered
- Minimum Lot size refers to the minimum quantity of order proposal.
 If a source is determined by Quota arrangement for which minimum lot size is maintained, and if the quantity required is less than the minimum lot size, then the order proposal is generated for a quantity equal to minimum lot size
- The minimum & maximum lot size maintained in the Quota overrides the lot size maintained for the material master, but only for the sources maintained in the quota





Quota Arrangement



Few Transaction Code: MEQ1: Maintain Quota MEQ3: Display Quota

MEQ4: Change Quota





Material Master

Vendor Master

Service Master

Purchase Info Record

Source List

Quota Arrangement

Output Determination

Text



Output Determination



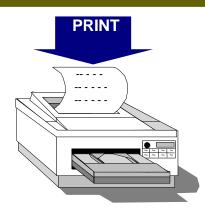
Output Master data

Output type:
Partner Function
Transmission
Medium
Time
Language

Output determination

Purchase order

Output type: Standard Transmission: Print Time: Immediately Language: EN

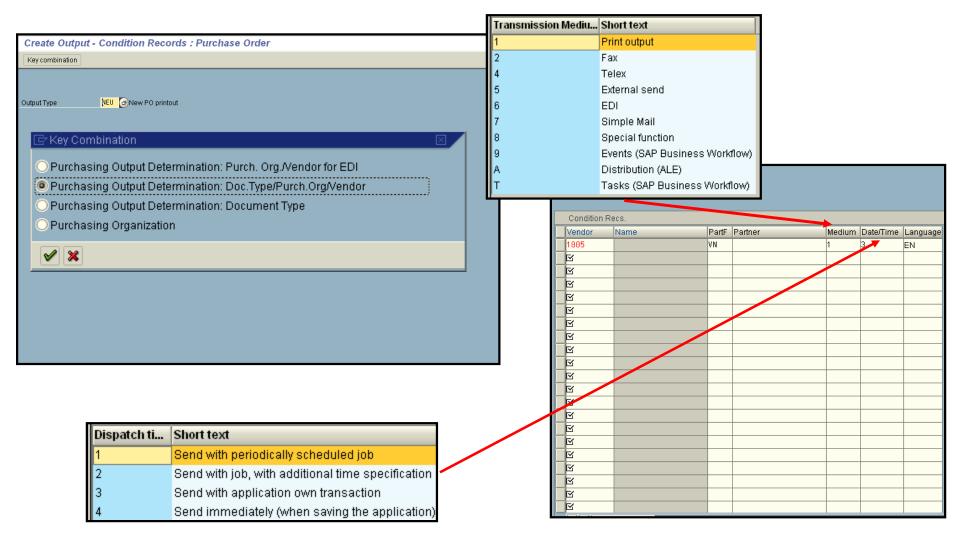


- Output is triggered when a new Purchasing Document is created or any of the Purchasing Document has been changed
- Output type can be maintained at various combinations like Purchase org / Vendor,
 Document type/purchase org/vendor, document type, etc
- Output can be generated with or without Message Determination



Maintain Output Type









Material Master

Vendor Master

Service Master

Purchase Info Record

Source List

Quota Arrangement

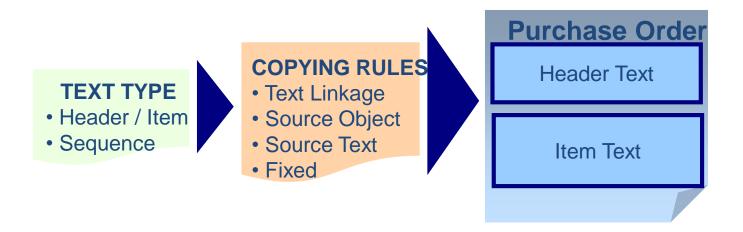
Output Determination

Text



Text Determination





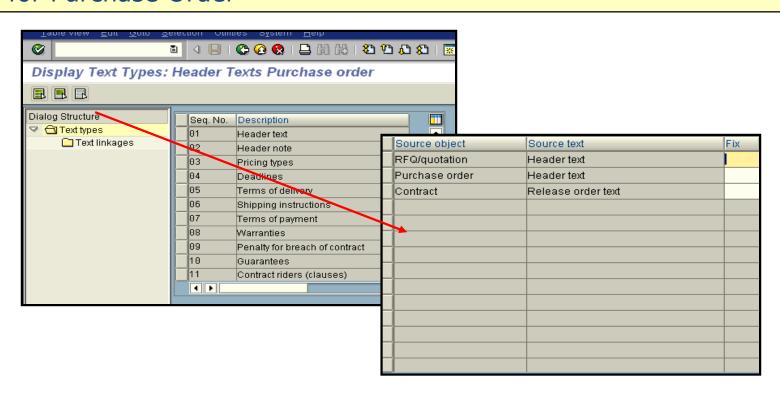
- Text Type determines the Header Text and Item Text. It also determine the sequence in which the Text needs to be displayed in the Purchasing document
- Text Type are assigned to the Source Object and Source Text to copy the values into relevant Text Type
- Fixed Indicator controls:
 - Whether the Text gets copied to the target object and fixed immediately
 - Whether the Text gets copied only if required
 - Whether the Text cannot be copied to the Target object.





Text Determination

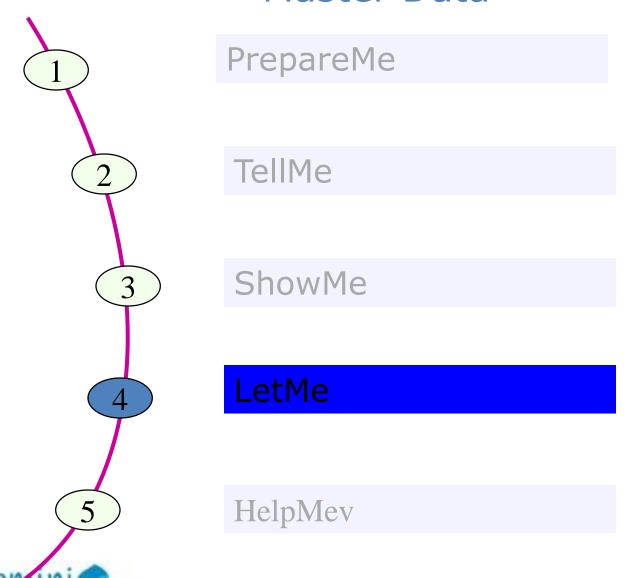
SPRO → Materials Management → Purchasing → Purchase Order → Text for Purchase Order







Master Data





Let me

ABC Corporation has 2 Plants in Germany. Each Plants have 2 Storage Locations.

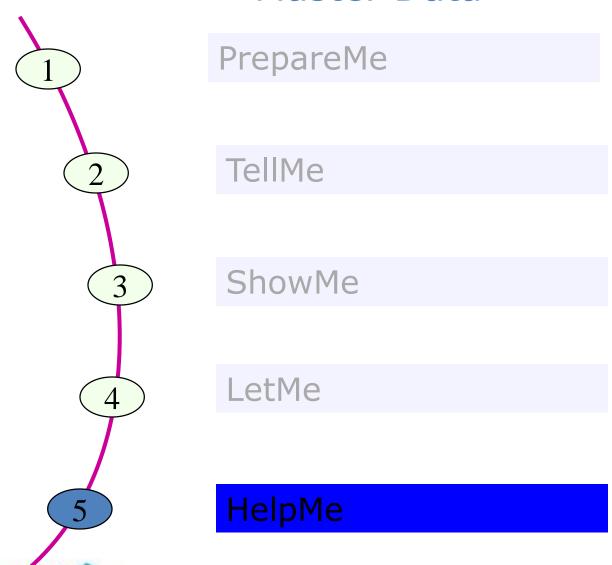
Create following Masters for ABC Corporation

- •Create 3 Material Master with Material Type: ROH Raw Material, FERT Finished Goods & HALP Semi Finished Goods respectively
- Create a Vendor Master for ABC Corporation
- •Create a Purchase Info Record for Material (with Material Type: ROH Raw Material) Vendor combination. Maintain 2 prices, one for Validity period 01-Jan 14 to 31 Apr 14 and 01-May-14 to 31-Dec-17
- •Created Source List for 2 Material (with Material Type: ROH Raw Material & FERT Finished Goods) in both the Plants. Assign Vendor Code to it
- •Maintain Output Type: NEU, for PO for a combination of Purchasing Org and Vendor





Master Data



Additional Info



- To find number of material per plant. T Code: S_ALR_87101053
- You can see where used list of a material through T Code: S_ALR_87012963
- You can control the input and output length of Material Number. The maximum length of Material number is 18 characters. T Code: OMSL
- You can see the list of Sales Document of a material:
 Material Master (Sales View) → Environment → Sales Functions
- You can use Change Management to track the changes done in a Material Master
- You can check all the reference material created with reference to a Material:
 Material Master → Environment → List referring Materials
- To find all the Vendor Address per Account Grp: T Code: S_ALR_87010052
- To Find all the Vendor Details per Account Grp: T Code: S_ALR_87010036
- To Find all the Vendor Changes: T Code: S_ALR_87010039
- You can list the entire order price history of a Purchase Info Record:
 Purchase Info Record → Environment → Order price history
- You can check the last document created for a Purchase Info Record:
 Purchase Info Record → Environment → Last document





Case Study- Service Master Record

Business Example

The fluorescent tubes in your offices have to be replaced due to wear and tear. An external service provider will be carrying out this work. Test the procurement process for external services. Service master records exist in the system for regular maintenance work involving the replacement of worn-out fluorescent tubes on your company's premises. Check this master data and the conditions for these services.

1. Display a service master record

Display the service master records **T-LM1## (removal of fluorescent tubes)** and **T-LM2## (installation of fluorescent tubes)**.

Hint: Choose Other service and then enter the service number.

You can close the service overview using Hide Overview.

- 2. Is there a long text describing the service in more detail in each case?
- 3. What is the unit of measure for managing the services?



Test Your Knowledge



1. Which of the following master data is relevant to the procurement of external

services?

Choose the correct answer(s).
□ A Vendor master record
□ B Material master record
□ C Service master record
□ D Purchasing info record
□ E Bill of materials
□ F Service conditions

- 2. When you enter vendor-specific conditions, you create a separate service
- info record for each service and vendor (comparable to the purchasing info

record for material).

Determine whether this statement is true or false.

- □ True
- □ False



Test Your Knowledge



of

3. Which of the following statements are correct?

Choose the correct answer(s).
 A For service procurement, you can work with or without a service master record.
 □ B The account assignment category unknown (U) is allowed only in purchase orders with item category D (service).
□ C You must specify a limit in a service item.
$\hfill\Box$ D The service specification of a service item can be structured in a maximum four hierarchy levels.
$\hfill\Box$ E You cannot specify a single limit in a service item. One service specification must have at least one service.
4. List different procedures for maintaining a source list.



Answers

1. Which of the following master data is relevant to the procurement of external services?

Answer: A, C, F

For the procurement of external services, you need a vendor master record for the service provider. You can also use master records for services and service conditions. Bills of material, purchasing info records, and material master records are used for the procurement of materials.

2. When you enter vendor-specific conditions, you create a separate service info record for each service and vendor (comparable to the purchasing info record for material).

Answer: False

Service conditions are entered for each vendor. You can enter conditions for several services for one vendor at the same time.

3. Which of the following statements are correct?

Answer: A, D

For B: Account assignment category U is also allowed for item category B (limit). For C and E: It is possible, but not necessary, to enter a limit for unplanned services. You are also allowed to specify a single limit, but no services.



Answers



4. List different procedures for maintaining a source list.

Answer:

- 1. Manually, per material and plant
- 2. Automatically by the system, per material and plant or for several materials and plants
- 3. When creating or changing an outline agreement or a purchasing info record, per material and plant

