

## SAP Materials Management (MM)

### Introduction to ERP

- ❖ ERP Packages
- ❖ Introduction to SAP
- ❖ Functions and Objectives of MM
- ❖ SAP Real Time Project Team Structure and Business Process
- ❖ SAP R/3 Architecture

### SAP Navigation

Organizational structure of an Enterprise in the SAP R/3 System

- ❖ Company, Company code, Controlling Area, Plant, Storage Location, Purchase Organization, Purchasing group

#### Master Data

- ❖ Material Master
- ❖ Configuration of Material Master
- ❖ Configuration setting for material types
- ❖ Field selection control
- ❖ Vendor Master
- ❖ Purchase Info Record
- ❖ Source Determination
- ❖ Source List
- ❖ Quota Arrangement

### Purchasing

- ❖ Purchase Requisition
- ❖ Purchase Order
  - ✓ P.O. wref to
  - ✓ PR, RFQ, CONTRACT AND
  - ✓ ACCOUNT ASSIGNMENT CATEGORY
- ❖ Purchase order monitoring
- ❖ Request For Quotation (RFQ)
  - ✓ Outline Agreement
- ❖ Contracts
- ❖ Schedule Agreement,
  - ✓ PR, RFQ, CONTRACT AND
  - ✓ ACCOUNT ASSIGNMENT CATEGORY

### Document Types for Purchasing Documents

- ❖ Define Document Type
- ❖ Define Number Ranges for Document Types
- ❖ Define Screen Layout At Document Level

### Release Procedure for Purchasing Documents

- ❖ Purchase Requisition, Purchase Order.

### Pricing Procedure

- ❖ Maintain Condition Tables
- ❖ Define Access Sequence
- ❖ Define Condition Types
- ❖ Define Calculation Schema
- ❖ Define Schema Group
  - ✓ Schema Group Vendor
  - ✓ Schema Group for Porg
  - ✓ Assignment of Schema Group to Porg
- ❖ Define Schema Determination
  - ✓ Determine Calculation Schema for Standard Purchase Orders

### External Service Management

- ❖ Service Master Creation
- ❖ Service PO
- ❖ Service Entry Sheet
  - **Reporting&Analysis Function**
    - ✓ Standard Reports
    - ✓ Logistic information system

### Optimized Purchasing

- ❖ Automatic PO w ref to PR
- ❖ Automatic PO at GR
- ❖ Processing non-assigned & assigned purchase requisition

### Inventory Management

- ❖ Movement Types
- ❖ Goods Receipt Scenarios
  - ✓ Creation of GR
  - ✓ Cancel GR
  - ✓ Return delivery to vendor
  - ✓ GR for Partial Delivery
  - ✓ GR for Stock Types
- ❖ Reservation
  - ✓ Creation of Reservation
  - ✓ Creation of GI wref to Reservation
- ❖ Goods Issue
- ❖ Transfer Postings
  - ✓ From Plant to Plant – One Step And Two Step Process
  - ✓ From Sloc to Sloc – One Step
    - And Two Step Process
  - ✓ From Stock to Stock
    - Blocked to Quality, Blocked to Unrestricted use Stock, Quality to Unrestricted use Stock

### Physical Inventory

- ❖ Types of Physical Inventory
- ❖ Creating Physical Inventory Document
- ❖ Entering Physical Inventory Count
- ❖ List Of Inventory Differences
- ❖ Post the Difference
- ❖ Physical Inventory Procedures- Cycle counting, Inventory Sampling

### Special Stocks and Special Procurement Types

- ❖ Consignment
- ❖ Stock transport order
- ❖ Subcontracting
- ❖ Pipeline
- ❖ Returnable transport packaging – RTP
- ❖ Third Party Processing

### Valuation and Account Determination

- ❖ Introduction to Material Valuation
  - Price Control
    - ✓ Moving Price
    - ✓ Standard Price
- ❖ Split Valuation
- ❖ Configure Split Valuation
- ❖ Defining Global Categories
- ❖ Defining Global Type
- ❖ Defining Local Definition& Assignment

### **Invoice Verification**

- ❖ Basic Invoice Verification Procedure
- ❖ Invoice for Purchase Order
- ❖ Document Parking
- ❖ Tax Cash Discount
- ❖ Foreign Currency
- ❖ Unplanned Delivery Costs
- ❖ Planned Delivery Costs
- ❖ Blocking the Invoice
- ❖ Invoice Reduction
- ❖ Releasing Blocked Invoices
- ❖ Automatic Settlements (ERS)
- ❖ GR/IR Account Maintenance

### **Integration Concepts**

- ❖ Integration of MM with FI/CO Automatic Account Determination
- ❖ Integration of MM with SD
  - ✓ Stock Transport Order (STO)
  - ✓ Intra Company Stock Transfer
- Inter Company or Cross Company Stock Transfer
- ❖ MRP Concepts
  - ❖ Planned Independent Requirements
  - ❖ Consumption Based Planning
  - ❖ Re Order Point Planning
  - ❖ Automatic and Manual ROP
  - ❖ Forecast Based Planning

### **Message Determination**

- ❖ Purchasing Message Determination
  - \*MM Tables\*