

Bundle Course – **SAP SCM**

Bundle Course - SAP SCM (WM-EWM-S/4HANA EWM-S/4HANA TM-S/4HANA Logistics) – Course Syllabus

SAP Warehouse Management (WM)

1. Introduction to Warehouse Management

- Warehouse management overview in SAP R/3
- Organization Data
- Warehouse Structure
- Warehouse Master Data
- WM Material master view

2. Organization Data

- a. Define Warehouse structure

- Warehouse number
- Storage type
- Storage section
- Storage Bin
- Picking Area
- Storage unit
- Quant etc.

b. Master Data

- Material Master
- Storage bin

c. Transfer Requirement

- Create Transfer requirement automatically
- Create Transfer requirement manually
- Create Transfer requirement for storage type
- Create Transfer requirement for material

3. Transfer Order

- Number Range for TO
- Create TO w.r.t Transfer Requirement
- Create TO w.r.t Posting change notice no
- Create TO w.r.t Storage unit
- Create TO w.r.t Material document
- Create TO w.r.t Inbound delivery
- T.O. Creation In Background
- Confirm the Transfer Order
- Cancel the Transfer Order
- Print Transfer Order

4. Put away Strategies

- Next to empty bin
- Fixed Bin
- Open Storage
- Addition to existing bin
- Pallets
- Fixed bin strategy

5. Picking Strategies

- Shelf life expired
- FIFO
- Stringent FIFO

- LIFO

6. Warehouse Management Business Scenario's (MM)

- Goods Receipt processing with inbound delivery (with ASN)
- Goods receipt processing without inbound delivery
- Goods issue for internal consumption
- Replenishment Control for Storage Type

7. Warehouse movement types

- Define reference movement types for WM
- Assign reference movement types to WM movement types

8. Search Strategies

- Storage type search strategies
- Storage section search strategies
- Storage bin type search strategies

9. Batch Management in WM

- Condition Tables
- Access Sequence
- Strategy Types
- WM Batch Search Procedure
- Batch Status in WM
- Characteristics and class
- SLED in Batch in WM
- Manual and Automatic Batch Display in WM

SAP EWM

WAREHOUSING STRUCTURES AND MASTER DATA

- Differentiating the SAP Solutions for Warehouse Management
- Outlining Organizational Structures
- Maintaining Master Data for SAP EWM

BASIC PROCESSES IN SAP EWM

- Processing Goods Received
- Processing Goods for Shipping

WAREHOUSE MONITORING AND PROCESSING WITH MOBILE DEVICES

- Managing the Warehouse
- Applying Storage Control
- Employing Serial Numbers
- Processing Batches
- Mapping Quality Inspection Processes
- Applying Value-Added Services

WAREHOUSE ORGANIZATION

- Performing Slotting
- Applying Replenishment Methods
- Performing a Physical Inventory

OPTIMIZATION OF RESOURCES

- Applying Wave Management
- Applying Labor Management
- Executing the Production Supply Process
- Executing Expected Goods Receipts Processes
- Applying Cross Docking

WAREHOUSE EXTENSIONS

- Planning the Shipping and Receiving of Products
- Controlling the Material Flow System (MFS)

COMBINED INBOUND AND OUTBOUND PROCESSES

- Executing an End-to-End Process with SAP EWM

THE EXTENDED WAREHOUSE MANAGEMENT (EWM) SYSTEM ENVIRONMENT

- Outlining the Basics of EWM

INTEGRATION

- Setting Up the Integration Between SAP ERP and SAP EWM
- Setting Up Delivery Document Integration

STRUCTURAL ELEMENTS AND MASTER DATA

- Creating Structural Elements in EWM
- Creating Storage Bins
- Creating Work Centers
- Transferring Master Data from ERP to EWM using the APO Core Interface
- Creating Warehouse Product Master Data
- Creating Packaging Specifications

WAREHOUSE PROCESS TYPES

- Applying Warehouse Process Types

GOODS RECEIPT

- Outlining Goods Receipt Processes in EWM
- Setting Up Availability Groups for Inventory Management (IM)
- Configuring Direct Putaway
- Applying Putaway Rules
- Checking Capacities

GOODS ISSUE

- Outlining the Goods Issue Process in EWM
- Applying the Stock Removal Strategies
- Configuring Pick Denials
- Processing Batch Managed Products in EWM
- Combining Items in Waves
- Implementing Two-Step Picking

STORAGE CONTROL

- Outlining Storage Control
- Configuring Process-Oriented Storage Control
- Configuring Layout-Oriented Storage Control

WAREHOUSE ORDER CREATION

- Creating Warehouse Orders

POSTING CHANGES, STOCK TRANSFERS, AND REPLENISHMENT

- Performing Posting Changes and Stock Transfers
- Performing Ad Hoc Movements and Replenishment

PHYSICAL INVENTORY

- Outlining the Physical Inventory Process
- Setting Up the Procedures for Physical Inventory

SLOTING

- Configuring the Slotting Process

POST PROCESSING FRAMEWORK (PPF)

- Outlining the Post Processing Framework
- Applying the Post Processing Framework in Delivery Processing

S/4HANA EWM – Course Syllabus

1. SAP Introduction

- Overview of SAP R/3
- Overview of SAP ECC
- Overview of SAP SCM
- Overview SAP S/4 HANA
- Comparison of SAP R/3, SAP ECC, and SAP S/4 HANA
- SAP ECC & SAP S/4 HANA system landscapes, deployments and databases
- Delta Changes & new features

2. Introduction to SAP HANA

- SAP In-Memory Strategy
- Architecture Overview
- Row Store
- Column Store
- Attribute Views
- Calculation Views

3. Introduction to SAP S/4 HANA

- S/4HANA Roadmap
- Benefits of S/4 HANA from business perspective
- Ways from Business Suite to S/4 HANA
- Deployment Options (On Premise, Cloud and Hybrid)

4. Introduction to SAP Activate Methodology

- System conversion
- Landscape transformation
- New Implementation

5. Overview of SAP HANA Cloud Solutions

- SAP Strategy for Cloud and SAP HANA
- SAP Cloud Data Centers
- SAP HANA Enterprise Cloud
- SAP HANA Enterprise Cloud Use Cases
- Examples of On-Premise to Cloud Integration

6. Key Innovations

- Business Partner
- Order Management Billing
- Credit Management
- Inventory Management
- Material Requirement Planning
- Architectural Changes / Configurations related to Sales

7. Overview of Fiori Apps

- Overview of SAP Fiori Apps related to Logistics / Supply Chain

8. SAP S/4 HANA Deployment Options in EWM

- Organizational Units in EWM in S/4
- EWM Landscape.Existing & New
- Planned EWM Road Map for S/4HANA
- Embedded EWM.Business Benefits

9. Master Data in S/4 HANA System

- Master Data creation
- Core Interface (CIF) existing and New

10. Integration in S/4HANA System

- Basic ERP and EWM Integration
- Delivery Document Integration

11. Structural Elements and Master Data in S/4HANA System

- EWM Structural Elements
- EWM Master Data

12. Radio Frequency (RF) Frame Work

- How to use RF Framework
- Developing new screens in RF
- Layout Oriented Storage Control
- ITS Mobile and how to create templates for different mobile devices

13. Goods Receipt and Inbound Process

- Goods Receipt Process Overview
- Goods Receipt using EWM
- ERP and EWM documents
- Availability Groups for Inventory Management
- Goods Receipt Process Overview

- Put-away Rules & Strategies
- Process Oriented Storage Control
- Packing HU management Pack Specification
- Deconsolidation
- Value Added Services (VAS)
- Counting in EWM

14. Goods Issue and Outbound Process

- Goods Issue Process
- Outbound Delivery Processing
- EWM Documents
- Storage Control in Outbound Processing
- Stock / Storage Removal Strategies
- Pick Denial / Handling Differences in Picking
- Batch Management
- Using Pack Specification Condition records management
- Wave processing
- Replenishment

15. Storage Control

- Storage Control Concepts
- Process-Oriented Storage Control
- Layout-Oriented Storage Control

16. Warehouse Order Creation

- Warehouse Order Creation

17. Posting Changes, Stock Transfers and Replenishment

- Posting Changes and Stock Transfers
- Ad-Hoc Movements and Replenishment

18. Physical Inventory

- The Physical Inventory Process
- EWM Physical Inventory Procedures

19. Slotting and Rearrangement

- Slotting and Rearrangement

20. Post Processing Framework (PPF)

- Overview of Post Processing Framework (PPF)

- PPF in Delivery Processing
- Process & Layout Oriented SC
- PPF & Printing Conditions Records in EWM

21. Yard Management

- Introduction to Yard Management and Usage

22. Serial Management in SAP EWM System

- Inventory Level
- Bin Level
- Warehouse Level

23. Cross Docking in SAP EWM System

- Opportunistic Cross Docking
- Transportation Cross Docking

24. Kitting in SAP EWM System

- Kit to order
- Kit to stock
- Reverse Kitting

25. SAP EWM integration with other modules

- Integration of EWM with MM (IM)
- Integration of EWM with PP
- Integration of EWM with SD
- Integration of EWM with TM

26. SAP S/4 HANA – Interfaces

- SAP to SAP Interface
- SAP to non-SAP Interface

SAP S/4HANA TRANSPORTATION MANAGEMENT – COURSE **SYLLABUS**

1. Overview of Transportation Management

- Transportation Management from a management perspective

- Understanding Transportation Management
- Shipper, Freight Forwarder and LSP
- LTL/FTL/LCL/FCL Scenario's in Logistics Industry
- Transportation Management System VS SAP TMS

2. SAP Transportation Management Architecture

- An overview of the technical architecture of SAP TM and how integration is done
- Standalone SAP TM
- Integrated SAP TM (SAP TM- SAP ERP)
- Transportation Management E2E Cycle

3. SAP Transportation Management Master Data

- Transportation specific Master Data
- Master Data of SAP ERP and SAP TM
- CIF integration used for master data transmission between SAP ERP and SAP TM
- Organization Master Data
- General Master Data
- Transportation Network Master Data
- Resources Master Data
- Charges Master Data
- Dangerous Goods Management

4. SAP Transportation Management Requirement/Order Management

- Shipper scenarios and forwarder/carrier scenarios to explain the capabilities of the customer order objects
- Order Based Transportation Request
- Delivery Based Transportation Request
- Forwarding order Scenario

5. Transportation Capacity Management

- Management of freight capacities and schedules is an important aspect of being able to move cargo
- Carrier Schedules
- Port Schedules
- Departure/Destination Rules

6. SAP Transportation Planning (Freight unit and Freight Order Management in Standalone SAP TM)

Transportation planning deals with the activities involved in the assignment of cargo items to vehicles or reserved capacities on trucks, trains, planes, or vessels

6.1 Freight Units Management

- a) Definition
- b) Properties of Freight Unit
- c) Freight unit building rule

6.2 Freight Order Management

- a) Freight Order creation
- b) Freight order Stages
- c) Freight order Control

6.3 Manual Planning

- a) Planning Strategies
- b) Planning Profiles
- c) Transportation Cockpit

6.4 Automatic Planning

- a) Optimization

7. Carrier Process

- Relevant carrier Determination and Tendering process significance
- Carrier Determination
- Means and Modes of Transport

8. Transportation Planning with Integrated SAP TM (SAP TM- SAP ERP)

- SAP Sales order Management Overview
- SAP Purchase Order Management Overview
- Logistics Planning from Make to Stock and Make to Order Perspective

9. Transportation Execution/Control/Monitor (Standalone TM and Integrated TM Perspective)

- Execution and monitoring deal with handling freight and providing visibility of shipments
- Transportation Execution
- Transportation Control
- Transportation Monitoring

SAP S/4HANA LOGISTICS

SAP S/4HANA Enterprise Management

- Streamlined Procure-to-Pay
- Accelerated Plan-to-Product
- Optimized Order-to-Cash
- Enhanced Request-to-Service

Inventory Management

- SAP S/4HANA Changes
- Warehouse Processing
- Physical Inventory Management

Manufacturing

- Material Requirements Planning
- Production Execution

SAP Extended Warehouse Management

- Delivery Processing in Extended Warehouse Management

Sourcing and Procurement

- Materials Requirements Planning
- Operational Purchasing
- Collaborative Sourcing and Contract Management
- Supplier Management, Invoicing and Payables Management
- SAP Ariba

Sales Order Management

- Sales Contract Management
- Sales Order Management and Processing
- Billing and Invoicing, Output Management
- Claims, Returns, and Refund Management
- SAP Hybris
- SAP Transportation Management

Quality Management

- Quality Notification, Planning and Inspection
- Material Master Quality Management View

Plant Maintenance and Enterprise Asset Management

- Maintenance Processing