SCM631
Additional Topics in Warehouse Management

SAP ERP - Procurement and Logistics Execution

Course Outline
Course Version: 98
Course Duration: 2 Day(s)
Publication Date: 21-10-2014
Publication Time: 1258
Copyright

Copyright © SAP AG. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP AG. Additionally this publication and its contents are provided solely for your use, this publication and its contents may not be rented, transferred or sold without the express permission of SAP AG. The information contained herein may be changed without prior notice.

Some software products marketed by SAP AG and its distributors contain proprietary software components of other software vendors.

Trademarks

- Microsoft®, WINDOWS®, NT®, EXCEL®, Word®, PowerPoint® and SQL Server® are registered trademarks of Microsoft Corporation.
- IBM®, DB2®, OS/2®, DB2/6000®, Parallel Sysplex®, MVS/ESA®, RS/6000®, AIX®, S/390®, AS/400®, and OS/400® are registered trademarks of IBM Corporation.
- ORACLE® is a registered trademark of ORACLE Corporation.
- INFORMIX®-OnLine for SAP and INFORMIX® Dynamic ServerTM are registered trademarks of Informix Software Incorporated.
- UNIX®, X/Open®, OSF/1®, and Motif® are registered trademarks of the Open Group.
- Citrix®, the Citrix logo, ICA®, Program Neighborhood®, MetaFrame®, WinFrame®, VideoFrame®, MultiWin® and other Citrix product names referenced herein are trademarks of Citrix Systems, Inc.
- HTML, DHTML, XML, XHTML are trademarks or registered trademarks of W3C®, World Wide Web Consortium, Massachusetts Institute of Technology.
- JAVA® is a registered trademark of Sun Microsystems, Inc.
- JAVASCRIPT® is a registered trademark of Sun Microsystems, Inc., used under license for technology invented and implemented by Netscape.
- SAP, SAP Logo, R/2, R/3, SAP ArchiveLink, SAP Business Workflow, WebFlow, SAP EarlyWatch, BAPI, SAPPHIRE, Management Cockpit, mySAP.com Logo and mySAP.com are trademarks or registered trademarks of SAP AG in Germany and in several other countries all over the world. All other products mentioned are trademarks or registered trademarks of their respective companies.

Disclaimer

THESE MATERIALS ARE PROVIDED BY SAP ON AN "AS IS" BASIS, AND SAP EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WITH RESPECT TO THESE MATERIALS AND THE SERVICE, INFORMATION, TEXT, GRAPHICS, LINKS, OR ANY OTHER MATERIALS AND PRODUCTS CONTAINED HEREIN. IN NO EVENT SHALL SAP BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR PUNITIVE DAMAGES OF ANY KIND WHATSOEVER, INCLUDING WITHOUT LIMITATION LOST REVENUES OR LOST PROFITS, WHICH MAY RESULT FROM THE USE OF THESE MATERIALS OR INCLUDED SOFTWARE COMPONENTS.
Contents

Course Overview ........................................................................................................ v
  Course Goals ........................................................................................................ v
  Course Objectives ................................................................................................ v

Unit 1: Storage Unit Management ............................................................................. 1
  Storage Unit Management ..................................................................................... 1
  Storage Unit Management in Bulk Storage ......................................................... 1
  Handling Unit Management .................................................................................. 1

Unit 2: Hazardous Material Management ............................................................... 2
  Hazardous Material Handling .............................................................................. 2

Unit 3: Additional Functions in TO Processing ....................................................... 3
  Determining the Planned Data and Entering the Actual Data ......................... 3
  Transfer Order Split ............................................................................................ 3

Unit 4: Mobile Data Entry ....................................................................................... 4
  Mobile Data Entry - Technical Implementation ................................................ 4
  Mobile Data Entry - Customizing ........................................................................ 4

Unit 5: Yard Management ...................................................................................... 5
  Introduction to Yard Management ...................................................................... 5
  Overview of Yard Management Configuration .................................................. 5
  Transactions in Yard Management ..................................................................... 5

Unit 6: Other Functions in Warehouse Management .............................................. 6
  Cross Docking ...................................................................................................... 6
  Value Added Services .......................................................................................... 6
  Dynamic Cycle Counting .................................................................................... 6

Unit 7: Connection of Warehouse Control Units .................................................... 7
  The Technical Connection to a Warehouse Control Unit .................................. 7
  Using a Warehouse Control Unit - Scenarios ..................................................... 7

Unit 8: Decentralized Warehouse Management and Technical Themes ................ 8
  Decentralized Warehouse Management ............................................................ 8
  Technical Topics .................................................................................................. 8
Course Overview

This course explains the various settings in Warehouse Management that can be used to optimize warehouse processes. This primarily involves Storage Unit Management and mobile data entry within the warehouse. In addition, this course discusses new functions in Warehouse Management, the settings for hazardous material management and using the decentralized Warehouse Management system.

Target Audience
This course is intended for the following audiences:

- Project team members

Course Prerequisites
Required Knowledge

- SCM630 Warehouse Management

Course Goals
This course will prepare the participant to:

- Gain an understanding of the additional topics in the SAP Warehouse Management system and the Customizing options that are available for special company requirements.
- Put your knowledge into practice by completing specially selected exercises in an online system.

Course Objectives
After completing this course, the participant will be able to:

- Perform functions such as Customizing of Storage Unit Management, radio frequency, Cross Docking, Value Added Services, and hazardous material management.
- Describe the Customizing options and settings in the Warehouse Management system for Handling Unit Management, decentralized Warehouse Management, and performance data.
Unit Overview

This unit provides an overview of the required Customizing settings and the effects of using Storage Unit Management in certain storage types. The use of Storage Unit Management is necessary for storage locations that are warehouse managed and which have handling unit requirements. This unit therefore also discusses the effects of Handling Unit Management on the warehouse.

Lesson: Storage Unit Management

Lesson Objectives

After completing this lesson, the participant will be able to:

- Define storage units and explain how to include them in the warehouse structure
- Create a storage type that uses Storage Unit Management with putaway strategy ‘P’
- Process goods movements in the warehouse with storage units

Lesson: Storage Unit Management in Bulk Storage

Lesson Objectives

After completing this lesson, the participant will be able to:

- Define a bulk storage type in the warehouse number
- Process putaways of storage units from bulk storage to stock putaways and stock removals.

Lesson: Handling Unit Management

Lesson Objectives

After completing this lesson, the participant will be able to:

- Explain the concept of a handling unit
- Describe the relationship between handling units and storage units
- Describe the goods receipt process and goods issue process with handling units
Unit 2

Hazardous Material Management

Unit Overview
This unit describes how to use the hazardous material master to declare materials as hazardous materials and how to put these away into certain areas of the warehouse.

Lesson: Hazardous Material Handling

Lesson Objectives
After completing this lesson, the participant will be able to:

• Create a hazardous material master record
• Define a material as a hazardous material
• Customize storage procedures for handling hazardous materials
Unit 3
Additional Functions in TO Processing

Unit Overview
This unit provides an overview of the options during planned data entry and actual data entry and the transfer order split.

Lesson: Determining the Planned Data and Entering the Actual Data

Lesson Objectives
After completing this lesson, the participant will be able to:

• Define a profile for determining the planned times and entering the actual data during the creation of the transfer order
• Maintain all necessary data for determining the planned time

Lesson: Transfer Order Split

Lesson Objectives
After completing this lesson, the participant will be able to:

• Define a split profile for the transfer order split
Unit 4
Mobile Data Entry

Unit Overview
This unit provides an overview of the SAP radio frequency solution which makes it possible to work anywhere in the warehouse.

Lesson: Mobile Data Entry - Technical Implementation

Lesson Objectives
After completing this lesson, the participant will be able to:
• Describe how the mobile devices are connected technically

Lesson: Mobile Data Entry - Customizing

Lesson Objectives
After completing this lesson, the participant will be able to:
• Set up menu management
• Set up the verification control
• Set up queue management
Unit 5
Yard Management

Unit Overview
This unit describes the functionality in Yard Management that was introduced in SAP R/3 Enterprise, Release 4.70, Extension Set 2.00. Yard Management allows control of movements such as check-in, weighing, and check-out to be exercised in an area outside a warehouse.

Lesson: Introduction to Yard Management
Lesson Objectives
After completing this lesson, the participant will be able to:
- Describe Yard Management
- Explain how Yard Management is connected to other LES functionality

Lesson: Overview of Yard Management Configuration
Lesson Objectives
After completing this lesson, the participant will be able to:
- List the steps needed to configure Yard Management

Lesson: Transactions in Yard Management
Lesson Objectives
After completing this lesson, the participant will be able to:
- Use the transactions available in Yard management
Unit 6

Other Functions in Warehouse Management

Unit Overview
This Unit covers the topics Cross Docking, Value Added Services, and Dynamic Cycle Counting. They are released with SAP R/3 Enterprise, Release 4.70, Extension Set 2.00.

Lesson: Cross Docking
Lesson Objectives
After completing this lesson, the participant will be able to:

• Explain what is meant by Cross Docking
• Describe the difference between planned and opportunistic cross docking

Lesson: Value Added Services
Lesson Objectives
After completing this lesson, the participant will be able to:

• Describe the Value Added Services (VAS) solution

Lesson: Dynamic Cycle Counting
Lesson Objectives
After completing this lesson, the participant will be able to:

• Execute dynamic cycle counting
Unit 7

Connection of Warehouse Control Units

Unit Overview
This unit describes scenarios when you might connect the warehouse control unit to Warehouse Management in the SAP system.

Lesson: The Technical Connection to a Warehouse Control Unit

Lesson Objectives
After completing this lesson, the participant will be able to:

• Describe how the warehouse control unit is connected technically to Warehouse Management in the SAP system

Lesson: Using a Warehouse Control Unit - Scenarios

Lesson Objectives
After completing this lesson, the participant will be able to:

• Describe various scenarios that require the use of a warehouse control unit
Unit 8

Decentralized Warehouse Management and Technical Themes

Unit Overview
This unit describes how to set up the decentralized Warehouse Management system. It also lists the archiving reports and user exits that are available in Warehouse Management.

Lesson: Decentralized Warehouse Management
Lesson Objectives
After completing this lesson, the participant will be able to:
• Describe goods movements in a decentralized Warehouse Management system

Lesson: Technical Topics
Lesson Objectives
After completing this lesson, the participant will be able to:
• Determine the programs that are required to archive Warehouse Management data
• Determine the user exits that can be used to aid custom enhancements