COURSE OUTLINE

Course Version: 17
Course Duration: 3 Day(s)
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Typographic Conventions

American English is the standard used in this handbook. The following typographic conventions are also used.

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TARGET AUDIENCE
This course is intended for the following audiences:

- Change Manager
- Application Consultant
- Enterprise Architect
- Program/Project Manager
- System Architect
- Technology Consultant
- Trainer
- User
Lesson 1: Introducing Test Management
Lesson Objectives
After completing this lesson, you will be able to:
• Explain the test management process in SAP Solution Manager

Lesson 2: Understanding Automated and Manual Testing
Lesson Objectives
After completing this lesson, you will be able to:
• Recognize the advantages and drawbacks of manual and automated testing

Lesson 3: Implementing Test Management
Lesson Objectives
After completing this lesson, you will be able to:
• Understand how to implement test management in SAP Solution Manager
Lesson 1: Mapping the System Landscape

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

• Explain the purpose of logical components in the SAP Solution Manager

Lesson 2: Creating a Solution Manager Process Structure

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

• Identify the main elements of a Solution Manager Solution with regards to testing
Lesson 1: Setting Up the Test Management Scenario

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

- Configure the central settings of the Test Suite
- Set up the reporting of SAP Solution Manager

Lesson 2: Creating Test Cases

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

- Create test cases and assign them as business process content to your SAP Solution Manager process documentation
- Explain the relevance of digital signatures and status schemas for documents

Lesson 3: Managing the Test Plan

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

- Create a test plan (test scope) based on the test cases in the configuration
- Understand how test packages can be tailored and the assignment of tester works
- Know how to assign a release status schemas to a test plan

Lesson 4: Enhancing Test Planning

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

- Explain how to ease test scope definition for high volumes of business processes
- Understand the process of test effort calculation and reporting

Lesson 5: Processing Test Cases and Reporting a Test Error
Lesson Objectives
After completing this lesson, you will be able to:

- Process test cases from a test package
- Set the status of a test case
- Add a note to a test case
- Report a test error

Lesson 6: Managing Test Reporting

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

- Analyze testing-related gaps in process documentation, test plans, and test packages
- Display the current status of one or more test plans in the test suite
- Use BI reporting functionality for test reporting purposes
Lesson 1: Describing the Technical Bill of Materials

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

● Understand the BPCA technical prerequisites, possible use cases, and best practices

Lesson 2: Performing Scenario Preparation Activities

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

● Understand the setup procedure for BPCA and the automated creation of TBOMs

Lesson 3: Performing a Change Impact Analysis

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

● Understand the use cases for the Change Impact Analysis using BPCA
● Run a Change Impact Analysis
● Evaluate a Change Impact Analysis
● Create a new test plan based on the Change Impact Analysis
Lesson 1: Understanding the SEA technical prerequisites and best practices

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

- Understand the SEA technical prerequisites and best practices

Lesson 2: Performing a Scope and Effort Analysis

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

- Understand the use cases for the SEA
- Run an SEA analysis
- Evaluate SEA results
Lesson 1: Understanding Components and Prerequisites

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

- Understand the test automation capabilities and components of CBTA as well as the technical prerequisites and the setup procedure for CBTA

Lesson 2: Defining Automated Tests

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

- Set up a System Data Container
- Understand parameterization for automated scripts
- Handle test data containers

Lesson 3: Understanding Test Automation with CBTA

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

- Explain the construction and functionality of CBTA test configurations

Lesson 4: Scheduling Unattended Tests

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

- Explain the principle of scheduling unattended tests

Lesson 5: Automated Test Reporting

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

- Analyze test results in CBTA logs
Lesson 6: Explaining the Accelerated Maintenance of Damaged Test Cases

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

- Explain the workflow for the repair of damaged test cases
- Explain the benefits for test case developers to identify reasons for a damaged test case
Lesson 1: Setting Up The Test Environment

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

- Explain how to use the Test Data Migration Server to set up a test environment using a subset of your productive data
Lesson 1: Using SAP LoadRunner by HP for Performance Testing

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

- Explain how to use SAP LoadRunner by HP for performance testing