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SAP IDOC - Course Syllabus

1. EDI and ALE Basics (Introduction)

2. ALE/IDOC Basics

- What is an IDOC and Segment (Anatomy of an IDOC)
- Why ALE and IDOC
- IDOC Type and Message Type (creation)
- IDOC and its Extension (creation)
- What is a Standard IDOC and Custom IDOC

3. Different Ways of Triggering IDOCs

- Standalone (Master and Transactional Data)
- Message Control (Transactional Data)
- Change Pointer (Master Data)

4. Outbound IDOC Processing

a. Connection Configurations in Outbound Systemà

- Logical System
- RFC Destination

- Message Type Creation
- Port Creation
- Partner Profile

b. ALE/IDOC configuration

- Segment Creation
- IDOC Type Creation
- Message Type creation
- Linking IDOC Type to Message Type

5. Inbound IDOC Processing

a. Connection Configurations in Inbound System

b. ALE/IDOC Configuration

- Inbound Function Module
- Inbound Process Code
- Linking Function Module with Basic Type and Message Type.

6. Distribution Model (BD64)

a. Complete scenario to Send IDOC via this model

b. Filters

- IDOC Level (via BD64) (do not send entire idoc if it does not match with the filter)
- Segment Level (BD56) (Do not send this SEGMENT if condition is not met)

c. Reduced Message Type Basics (BD53)

7. Complete End-End Standalone Scenario by Using Topics 4 and 5 above

a. Standalone

- Creating and Sending a Standard IDOC from One Application Server to another Application Server
- Creating and Sending a Custom IDOC from One Application Server to another Application Server

b. Custom Program to create the IDOC by using standard FMs

- Message Control
- Nace Configuration
- Selection Programs

- Creating and Sending a Sales Order / Purchase Order IDOC from One Application Server to another Application Server via Message Control

c. Change Pointers

- TCodes and Tables related to Change Pointers
- Scenario to Trigger IDOC automatically whenever there is a change in the Master Data.

8. Re-processing of IDOC (02 ways)

9. Enhancements to standard IDOC (OPTIONAL Topic)

- a. Enhancing the standard Table and capturing the values.
- b. Extending IDOC and transfer the enhanced field Contents via enhancement techniques (User Exits SMOD/CMOD)

10. Important TCodes, Tables, Statuses and Programs

11. Trouble shooting OutBound / InBound IDOCs