

MX-ONE TSW I&M Install Advanced and Large Systems

Course Description

1551-EN/LZU 108 1244Uen



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Overview

The purpose of this course is, as a part of many courses, to prepare our sales and service organization for the handling of the release of the MX-ONE TSW as regards sales, configuration, implementation, maintenance, and support.

Product revision history

This is a new product mainly built on previous product LZU 108 1244.

Target audience

Ericsson Enterprise support organization. Experienced Support Staff (Support Engineers at level 2).

Prerequisites

- Basic Telephony and General PC knowledge
- MX-ONE TSW I&M Basic Install 1 and 2

Main Objectives

The students shall – after the course – have the skills and knowledge, with the aid of the Implementation and Managing binder, to be able to install and modify the configuration of both HW and SW of a Multi LIM and Multi node system.

The private networking aspects play an important part of the course.

Detailed learning objectives for learning components

Objectives multi-LIM systems

- To understand how to connect two LIM's both with and without group switch.
- To appreciate the duplicated group switch.
- To be able to add a LIM.
- To be familiar with the "GS" and "GJ" command groups in the SES section of the ALEX documentation.

Objectives Networking

In this module participants will plan and implement a network from a case scenario. This network will have the following features:

- Basic routing.
- Private Network Routing (PNR) using the LC commands.
- Least Cost Routing (LCR).
- Dynamic Route Allocation (DRA).
- IP networking.
- Routing Server.

By the completion of this module participants will have accomplished the following:

- Configured a mixed numbering plan using exchange identities for routing and identification purposes.
- Provided a PNR/LCR model that uses Off Net/On Net routing and tail end hop off to maximize network usage.
- Ensured full transparency of network features and identities.
- Configured private IP networking routes.
- Configured a private IP network with a Routing Server.

The participants will demonstrate understanding of these system features:

- Numbering plans (closed, open and mixed).
- Exchange identification and impacts.
- Different number types in an ISDN/QSIG/IP network.
- Travelling Class Marks (TCM) and Facilities restriction levels (FRL).

Signal Tracing

At the completion of this module students should have gained the following competencies:

- Recognition of the different signals used to communicate within the MD110 software.
- Understanding how different types of signals have different priorities in processor job queues.
- Conducting a signal trace, retrieving and storing the results.
- Identification of signal names and numbers from a signal trace with the help of the STI tool.

Objectives ANCD and advanced ACD

The objectives for this module are as follows:

- To understand the ANCD concept and implement ANCD functionality.
- To implement backup ACD groups in a single PABX (requires a multi-LIM system) and understand the operation in the case of system failure or partial failure.
- To identify the differences between V24 and TCP/IP connection for Management Information System (MIS) and be able to configure each.
- To program and use the VSU in an ACD situation.

Learning Situation

This course is an instructor-led course with a mixture of theoretical sessions and practical exercises.

The course is developed for 8-12 students at the same time with a maximum of two persons per workstation (PC and PBX).

Duration

5 days.