

Layer 2 Data Cards on OMS1600 R4



LZU 108 8051 R1A

Description

Operation and maintenance of equipment could be a complex and resource-consuming task if your personnel do not have the appropriate skills and knowledge. Furthermore, the transport of the ethernet traffic in the SDH network is a technology in continuous evolution that needs to be well known in order to improve the network performance and efficiency.

This course is designed for people who have to configure, operate and maintain the Layer 2 Cards in the OMS 1600 equipment in the transport network.

The course contents will provide the full information about the card functionalities and features. The basic procedures for operation and maintenance and for the configuration of the main services will be explained.

Learning objectives

On completion of this course the participants will be able to:

- 1 Describe the Layer 2 Cards and their applications.
 - 1.1 Explain the basic concepts of the involved technologies.
 - 1.2 Demonstrate the main equipment services.

- 2 Explain the system architecture.
 - 2.1 Describe the card layout.
 - 2.2 Describe the functional blocks.
 - 2.3 Explain the management of the Ethernet traffic.
 - 2.4 Describe the system technical characteristics.

- 3 Operate the system set-up.
 - 3.1 Configure the SDH domain.
 - 3.2 Configure the EPL service.
 - 3.3 Configure the EVPL service.
 - 3.4 Configure the EPLAN \ EVPLAN service.

- 4 Operate the main maintenance procedures.
 - 4.1 Use common tools for troubleshooting.
 - 4.2 Configure the performance data collection and analyse the result.



Target audience

The target audience for this course is: Network Deployment Engineers, Service Deployment Engineers, System Technicians, Field Technicians, System Engineers.

Prerequisites

The participants should be familiar with the Ethernet and SDH principles and should have attended the course “Marconi OMS 1600 R4 Operation and Maintenance – LZU1088050” (or have an equivalent knowledge).

Duration and class size

The length of the course is 3 days and the maximum number of participants is 8.

Learning situation

This course is based on theoretical and practical instructor-led lessons given in a classroom environment. This course can be conducted at the Customer premises.