

## IS MGW 2.0 Operation & Configuration



LZU 108 7694 R1A

### Description

This course will learn the students how to perform an initial installation and configuration of a Media Gateway (MGW) in the Integrated Site (IS). They will get theoretical background and practice in software and hardware installation, and network configuration of the Media Gateway. The position and the role of the IS MGW in ViG, IMT and TSS networks will be explored with reference to particular configuration.

This course provides the participants with the competence needed to configure the MGW for the Telephony Soft-switch (TSS 4.0 FP1 ) Feature Package 1 solution.

### Learning objectives

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

- 1 Explain the IS MGW system architecture and functions.**
  - 1.1 Describe the MGW Blade System (BS) and its functions.
  - 1.2 Create and perform the basic MGW BS configuration.
  - 1.3 Show the different IS MGW solutions in ViG, IMT and TSS 4.0 FP1.
  
- 2 Configure the IS MGW.**
  - 2.1 Explain the IS MGW Management Functional Areas (MFA).
  - 2.2 Use the GUI and configure all MGW functions.
  
- 3 Configure the IS MGW Network.**
  - 3.1 Explain the IS MGW subnets and VLANs.
  - 3.2 Configure IS MGW Logical Networks and VLANs.
  - 3.3 Describe the traffic separation function (QoS) and define the Differentiated Services.
  - 3.4 Configure QoS parameters.
  - 3.5 Define the IP and LAN Traffic Classes in IS and MGW
  - 3.6 Configure the ISER connectivity using redundancy.
  - 3.7 Describe and define IPsec in the MGW network
  - 3.8 Describe the MGW Blade and Blade System scalability
  - 3.9 Describe the admission control and the MGW Redundancy.
  
- 4 Operate and maintain the IS MGW.**
  - 4.1 Describe the MGW O&M functions in IS 2.0
  - 4.2 Explain the IS MGW Operation and Maintenance architecture.



- 4.3 Describe and use the MGW alarm and event functions to maintain the node.
- 4.4 Verify the network connectivity
- 4.5 Create performance management reports related to the IP interfaces/traffic.

### **Target audience**

The target audience for this course is: Network Design Engineers, Network Deployment Engineers, Service Deployment Engineers, System Technicians, Service Technicians, System Engineers, and operator personnel performing Operation, Maintenance and Engineering tasks in IS based MGWs

### **Prerequisites**

The participants should be familiar with Integrated Site concept or successful completion of the following courses:

- Integrated Site 2.0 Overview LZU 108 7085 R1B
- Integrated Site 2.0 Operation and Configuration LZU 108 7086 R1B

The course IP Network Configuration for Integrated Site LZU 108 6669 R1A is not required but should be completed as well since it covers all aspects related to networking using IS.

### **Duration and class size**

The length of the course is 2 days and the maximum number of participants is 8.

### **Learning situation**

This course is based on theoretical and practical instructor-led lessons given in both classroom and in a technical environment using equipment and tools.