

IMS 10B Overview



LZU 108 8143 R1A

Description

Do you want to know how operators and end users can benefit from IMS and what the different Ericsson IMS solutions are; then this is a course for you.

The course provides an overview of the IP Multimedia Subsystem (IMS) and the Ericsson solutions for IMS based on the system products IMS Core and MMTel. End user benefits and what IMS services an operator can offer are explained. The features, nodes & signalling aspects are described for the IMS offerings related to IMS Core and MMTel.

Learning objectives

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

- 1 Explain why there is a need for IMS
 - 1.1 Describe the IMS system in overview – the services and capabilities IMS provides.
 - 1.2 List which standardization bodies define IMS and IMS related services
 - 1.3 Explain what is meant by the IMS eco system
 - 1.4 Present operator and end-user benefits of IMS.
- 2 Outline the Ericsson IMS Offerings
 - 2.1 Explain the IMS offerings in the areas of Voice, Video, Presence, Messaging and Business communication in overview
- 3 Describe the architecture of the Ericsson System Products
 - 3.1 List the main features of IMS Core and MMTel
 - 3.2 Name and explain the functional nodes in IMS Core and MMTel
 - 3.3 Explain how MMTel interworks with PSTN and other VoIP networks
 - 3.4 Identify the signaling and media protocols used in the system products and describe where they are used
 - 3.5 Recognize the platforms used for the System Products
- 4 Present 'typical' IMS end-to-end session set-ups
 - 4.1 Get a basic understanding of SIP
 - 4.2 Illustrate the SIP & Diameter signalling sequence for Registration.
 - 4.3 Explain the SIP signalling sequence for an IMS to IMS session.
 - 4.4 Present the SIP signalling sequence for an IMS to PSTN session

Target audience

The target audience for this course is: Fundamentals



Prerequisites

Students should have a good general knowledge of telecommunications.

Duration and class size

The length of the course is 1 day (6 hours) and the maximum number of participants is 16.

Learning situation

This course is based on theoretical instructor-led lessons given in a classroom environment.