XCELERATE TRAINING INSTITUTE

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TELECOMMUNICATION

LTE Broadcast ((eMBMS)(CMAS)(ETWS)(SIB))

DURATION	LANGUAGE	FORMAT
5 days	**English**	**Classroom / Online**

Upcoming dates

Dates	Venue	Format	Fee
22 – 26 Feb 2027	Live online	Online (live)	**€1,200**
2 – 6 Aug 2027	Live online	Online (live)	**€1,200**
6 – 10 Sep 2027	Madrid	Classroom	**€5,000**

Register or ask a question

Online: staging.x8ti.com/course/lte-broadcast-embmscmasetwssib/

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LTE Broadcast ((eMBMS)(CMAS)(ETWS)(SIB))

Introduction

Introdction

This course by Xcelerate Training Institute explores the integration of broadcast services with LTE networks. It examines the potential of LTE to deliver high-quality video streaming and other broadcast content. The course provides a comprehensive understanding of the technologies and strategies involved in implementing broadcast services over LTE networks.

Learning Objectives

Upon completion, participants will gain a solid understanding of broadcast services over LTE, including network architecture, key technologies, and performance metrics. They will be able to evaluate the feasibility of implementing broadcast services and develop strategies for network optimization.

Training Methodology

The course combines theoretical knowledge with practical examples to provide a comprehensive learning experience. Participants will engage in interactive discussions, case studies, and hands-on activities to apply their knowledge.

Benefits for Your Organisation

Organizations investing in this course can expect improved network performance, enhanced customer experience, and increased revenue through the successful delivery of broadcast services over LTE networks.

Benefits for You

Individuals will develop expertise in broadcast services over LTE, expanding their career opportunities in the telecommunications industry.

Who Should Attend

This course is designed for engineers, network planners, and business professionals involved in the planning, design, and operation of LTE networks, as well as those in the broadcast industry.

Course Outline

Introduction to LTE Broadcast

Overview of LTE and Broadcast Technologies

- LTE architecture fundamentals
- Differences between unicast and broadcast
- Introduction to eMBMS, CMAS, ETWS, and SIB

eMBMS (Evolved Multimedia Broadcast Multicast Service)

- eMBMS architecture and key components
- Features and benefits of eMBMS
- Use cases and applications in broadcasting

Emergency Alert Systems

CMAS (Commercial Mobile Alert System)

- Overview and purpose of CMAS
- Technical specifications and implementation processes
- Regulatory requirements and compliance considerations

ETWS (Emergency Telecommunications Warning System)

- Functions and importance of ETWS
- Message types and delivery mechanisms
- Integration with existing emergency services

System Information Blocks and Configuration

SIB (System Information Blocks)

- Introduction to SIBs in LTE
- Types of SIBs and their specific functions
- Role of SIBs in supporting broadcast services

Configuration and Management of Broadcast Services

- Key configuration parameters for eMBMS, CMAS, and ETWS
- Tools for managing and optimizing broadcast services
- Monitoring techniques for performance assessment

Implementation and Future Trends

Implementing LTE Broadcast Solutions

- Steps to effectively deploy eMBMS and related services
- Interworking with existing network infrastructure
- Case studies of successful LTE Broadcast implementations

Future Trends and Challenges in LTE Broadcast

- Emerging technologies and standards in LTE Broadcast
- Challenges faced during deployment and operation
- Future outlook: LTE Broadcast in 5G and beyond

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Registration Form

LTE Broadcast ((eMBMS)(CMAS)(ETWS)(SIB))

Preferred dates: ..... Venue or online: .....

Duration: 5 days Language: .....

Please complete and email this form to us, or register online. We confirm your place and send the invoice within one working day.

Delegate information

Full name (Mr / Ms / Dr / Eng): .....

Position: ..... Telephone / mobile: .....

Official email: ..... Personal email: .....

Company information

Company name: .....

Address: .....

City / country: ..... VAT / tax number: .....

Person responsible for training & development

Full name (Mr / Ms / Dr / Eng): .....

Position: ..... Telephone / mobile: .....

Email: .....

Payment

☐ Please invoice me ☐ Please invoice my company

Signature: ..... Date: .....

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