XCELERATE TRAINING INSTITUTE

your learning & development partner

TELECOMMUNICATION

5G NR EN-DC NSA

DURATION	LANGUAGE	FORMAT
5 days	English	Classroom / Online

Upcoming dates

Dates	Venue	Format	Fee
4 – 8 Jan 2027	Kuala Lumpur	Classroom	€5,500
28 Jun – 2 Jul 2027	Live online	Online (live)	€1,200
6 – 10 Dec 2027	Live online	Online (live)	€1,200

Register or ask a question

Online: x8ti.com/course/5g-nr-en-dc-nsa/

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5G NR EN-DC NSA

Introduction

The rapid growth of smartphones and the increasing demand for faster data speeds have driven the evolution of mobile networks. LTE technology emerged as a response to these challenges, but the industry is now focused on the next generation: 5G New Radio (NR). This course explores the evolution from LTE to 5G, highlighting the new technologies and use cases that 5G enables.

Learning Objectives

This course by Xcelerate Training Institute aims to equip wireless professionals with a deep understanding of 5G NR technology. Participants will gain expertise in 5G architecture, protocols, and deployment options. The course emphasizes hands-on learning and industry best practices.

Training Methodology

The course employs a variety of interactive teaching methods, including group activities, case studies, and hands-on exercises. Real-world industry challenges are integrated into the curriculum to enhance learning and application of knowledge.

Benefits for Your Organisation

Organizations that invest in this course will benefit from a skilled workforce capable of addressing the challenges and opportunities presented by 5G technology. Employees will gain expertise in 5G, leading to improved network performance, customer satisfaction, and innovation.

Benefits for You

Participants will develop a comprehensive understanding of 5G NR technology and its implications for the wireless industry. The course enhances problem-solving and analytical skills, preparing individuals for advanced roles in 5G development and deployment.

Who Should Attend

This course is designed for engineers and professionals working in the wireless industry, including those involved in network planning, optimization, and operations.

Course Outline

The course covers the following modules:

Evolution to 5G:

Overview of LTE advancements and the transition to 5G NR.

5G Overview:

Introduction to 5G technology, use cases, and deployment options.

5G Core Network:

Architecture, components, and network slicing.

5G RAN Architecture:

Evolution from 4G to 5G, including CU-DU split and EN-DC.

5G Air Interface:

Deep dive into 5G NR physical layer, MAC, RLC, RRC, and PDCP layers.

- 5G SDAP Layer:
  Understanding the new SDAP layer for QoS management.
- Log Analysis: Hands-on exercises using Wireshark to analyze 5G network behavior.

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Registration Form

5G NR EN-DC NSA

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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Register online
Open the course page