XCELERATE TRAINING INSTITUTE

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TELECOMMUNICATION

Citizen Broadband Radio Services (CBRS)

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

Upcoming dates

Dates	Venue	Format	Fee
4 – 15 Jan 2027	Live online	Online (live)	**€1,800**
8 – 19 Feb 2027	Amsterdam	Classroom	**€7,200**
12 – 23 Jul 2027	Live online	Online (live)	**€1,800**

Register or ask a question

Online: x8ti.com/course/citizen-broadband-radio-services-cbrs/

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Citizen Broadband Radio Services (CBRS)

Introduction

This course by Xcelerate Training Institute provides a comprehensive understanding of Citizen Broadband Radiod Service (CBRS), a spectrum sharing model that allows for efficient utilization of the 3.5 GHz band. It covers the technical aspects of CBRS, including spectrum allocation, network architecture, and device specifications. The course also explores potential business models and use cases enabled by CBRS technology.

Learning Objectives

Upon completion, participants will gain a solid understanding of CBRS technology, its applications, and the regulatory framework. They will be able to evaluate CBRS deployment options and contribute to the development of new business models.

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 benefit from increased spectrum efficiency, improved network performance, and the opportunity to explore new business ventures.

Benefits for You

Individuals will develop expertise in CBRS technology, expanding their career opportunities in the telecommunications industry.

Who Should Attend

This course is designed for engineers, network planners, and business development professionals involved in the wireless industry.

Course Outline

Introduction to CBRS

Overview of CBRS

- Definition and purpose
- History and evolution of CBRS

Regulatory Framework

- Role of the FCC
- Key regulations and policies

Technical Foundations

Spectrum Allocation

- Frequency bands and their usage
- Shared spectrum concepts

CBRS Architecture

- Components of the CBRS ecosystem
- How CBRS fits into wireless networks

CBRS Stakeholders

Key Players in the CBRS Ecosystem

- Incumbent users
- Priority Access License (PAL) holders
- General Authorized Access (GAA) users

Roles and Responsibilities

- Spectrum Access System (SAS) administrators
- Environmental sensing capability (ESC) systems

Implementation and Deployment

Planning for CBRS Deployment

- Site selection and RF planning
- Interference management

Equipment and Technology

- CBRS-capable devices
- Network equipment requirements

Operational Considerations

CBRS Network Management

- Monitoring and troubleshooting
- Software updates and maintenance

Security Considerations

- Ensuring secure operations
- Risk management strategies

Case Studies and Applications

Real-World CBRS Deployments

- Examples from various industries (e.g., education, healthcare, enterprise)

Future Trends and Developments

- Evolving use cases
- Impact of emerging technologies (e.g., IoT, 5G)

Hands-On Training

Practical Sessions

- Setting up a CBRS network
- Using SAS tools

Troubleshooting Scenarios

- Common issues and their solutions

Copyright and intellectual property
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Registration Form

Citizen Broadband Radio Services (CBRS)

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

Duration: 10 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