

5G in Focus

Course Overview

This course is part of our 'In Focus' series which are currently being developed. 5G in Focus is the next step up in technicality from our introductory series.

Each topic is broken down into fundamental segments to make it easier to understand, whilst still discussing reasoning behind the technology, how it works and why it is needed.

This course has been developed in line with 3GPP and ITU-R publications.

Duration

1 Day

Delivery Method

- Classroom
- Tutor Led
- Lectures

Audience

This course is aimed at people already familiar with telecoms principles who are looking to enhance their understanding of 5G New Radio.

Course Prerequisites

Our 'Introduction to 5G' course is recommended prior to enrolling on '5G in Focus'.



T. 03301756960
E. enquiries@cdsds.uk
W. cdsds.uk

5G in Focus (continued)

Course Objectives

On completion of the course the student will understand:

Content Headings

- LTE topology
- VoLTE
- LTE - A/Adv Pro
- Carrier Aggregation
- Coordinated MultiPoint operation
- MIMO
- License Assisted Access
- Difference between LTE standards
- Move to 5G
- NG-RAN
- Core Network
- Network deployment types
- 5G capabilities
- Key associated technologies
- eMBB
- Access methods
- mMIMO
- Smart Antennae
- mMTC
- IoT
- URLLC
- Network Slicing
- mM Wave
- Frequencies
- FemtoCell
- Throughput
- Latency
- SDN
- NFV
- Acronym refresher
- Summary

Assignment/Assessment

There is no end of course assessment.



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