



Recorded
Training



Virtual Classroom
Training



Classroom
Training

ALSO AVAILABLE IN
**1 HOUR KEYNOTE AND
HALF A DAY OVERVIEW**

5G NG-RAN Architecture

Provides a thorough overview of the Next-Generation Radio Access Network (NG-RAN) which is part of the 3GPP 5G System. Both Non-Stand Alone (NSA) and Stand-Alone (SA) operation options are described.

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Why choose Apis?

Apis has delivered technical training to mobile operators, equipment vendors, service providers, regulators, consultants and various other organizations since 1994. Today, our portfolio of courses covers everything from 2G to 5G and from general datacom/IP to cloud, virtualization, SDN and NFV. Furthermore, our courses are always based on the latest GSMA, 3GPP, ETSI and IETF standards.

We operate globally and work with more than 300 mobile operators and enterprise companies in over 80 countries.



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5G NG-RAN Architecture

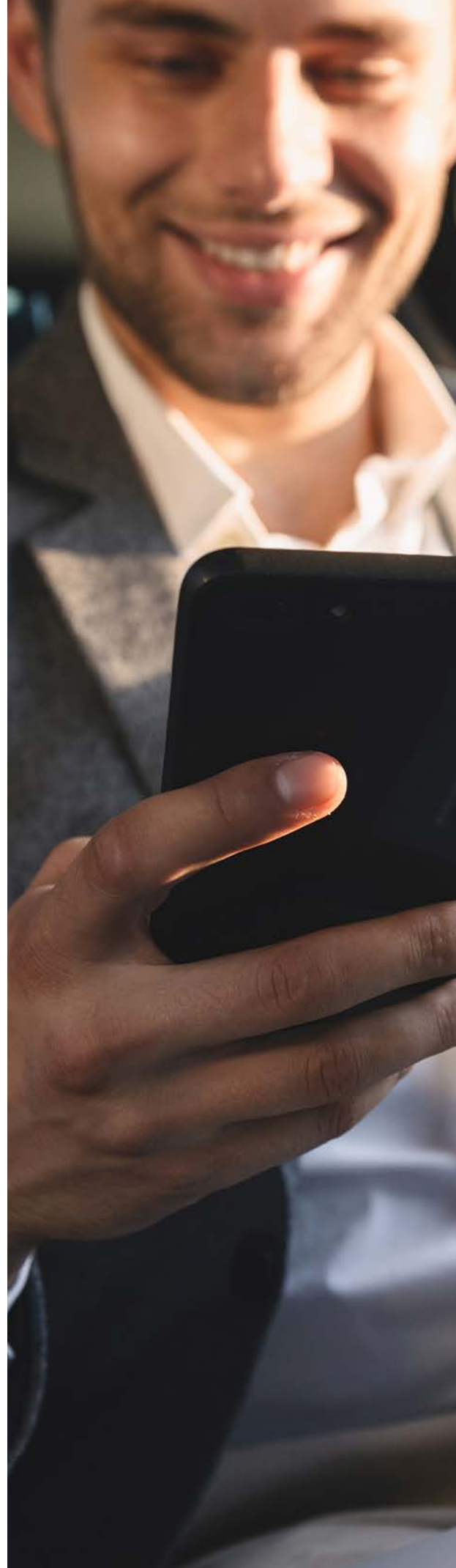
GET UP TO SPEED

This course provides a thorough overview of the Next-Generation Radio Access Network (NG-RAN) which is part of the 3GPP 5G System. Both Non-Stand Alone (NSA) and Stand-Alone (SA) operation options are described.

The course starts with a brief introduction to the 5G System, followed by a discussion of aspects of the new radio interface and the nodes, interfaces and procedures in the NG-RAN. The course also describes various RAN-core and dual connectivity options, as well as some NG-RAN implementations such as C-RAN, O-RAN (from O-RAN Alliance) and IAB (Integrated Access and Backhaul).

Prerequisites

Knowledge of LTE/4G is required. Basic knowledge of the overall 5G System is recommended. Good 5G background knowledge is provided e.g. by Apis' 5G System Overview course.





How you will benefit

- Keep up-to-date with the latest technology
- Bridge skills gaps
- Learn to leverage and deploy the latest technology
- Discover how to identify new, exciting opportunities within your organisation (innovate!)
- Improve your CV and marketability



How your organisation will benefit

- Unleash innovation
- Evolve faster
- Improve retention
- Increase engagement
- Cement your future
- Gain advantage over your competitors
- Boost your bottom-line



Who should attend this course?

Mobile operators, equipment vendors, service providers, regulators and consultants.

Not sure if this course is right for you?

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COURSE OUTLINE



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All of our courses can be adapted to meet your organisation's specific requirements. We will align the content to your strategic goals, thereby ensuring that it makes a relevant impact on its participants.

Course Chapters

- Network Overview
- New Radio (NR) Fundamentals
- Non Stand-Alone NR with EPC
- Stand-Alone NR with 5GC
- NG-RAN Protocols
- NR Uu Channel Architecture
- RRC and RRC States
- C-RAN – Centralized RAN
- O-RAN Architecture
- Integrated Access and Backhaul (IAB)
- Interworking with LTE/EPS

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