# 5G NR Voice | 1 Hr. 21 Min.

## LEARNING OBJECTIVE:

Upon completing the course, the participant will be able to:

➢ Understand in Brief about the evolution of voice in 5g domain.
➢ Understand the deployment options and the expected call scenarios
➢ Dig deep into the methods for implementing voice by operators
➢ Understand call flow between 5G and EPC and PSTN networks

## COURSE OBJECTIVE:

In this course we will understand the concept of Voice call in 5G technology discussing straight away Evolution of voice from legacy Technologies i.e CS, VOLTE to VONR. Finally call flows will be discussed for 5G – 5G, 5G – 4G, 5G – PSTN networks.

## WHO SHOULD ATTEND:

This course is designed to provide a in-depth knowledge about the 5G procedures so telecommunications professionals, network professionals and others who plan to work and gain knowledge in 5G wireless network can come on board.

## TARGET AUDIENCE:

RF Engineers, 5G Planners and Optimizers

## INSTRUCTIONAL METHODS:

Lectures in Classroom, Virtual Classroom trainings, discussion, Questions & Answers. All participants will also receive comprehensive course materials.

## COURSE OUTLINE:

**1. 5G NR Voice**

**1.1 Key takeaways**

**1.2 Voice Evolution**

**1.3 Evolution of IMS-Based Communications Services**

**1.4 Vo5G Standard Development**

**1.5 What is Vo5G?**

**1.6 Voice and Video Codec Standard Development**

**1.7 VoNR implementation prerequisites for Operators**

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1.8 Voice evolution paths

1.9 Dual connectivity

1.10 EPS Fallback

1.11 Voice over NR

1.12 Voice solution over 5G stand Alone

1.13 VONR IMS registration

1.14 NR Attach

1.15 NR PDU session establishment

1.16 NR Default IMS Session Establishment

1.17 Call flows – 5G user Calling 5G user

1.18 5g User calling a 4G VOLTE user

1.19 5G User calling a PSTN network

1.20 SRVCC to UTRAN References

## Evaluation and feedback of the participants

| Maximum number of participants: | 15 |
|---|---|
| Duration: | 1 Hr. 21 Min. |