5G Voice Solutions - VoNR and EPS Fallback Part 3: EPS Fallback

5G_225d | On-Demand | 5G Core | Expanded
Course Duration: 4 hours

This is the third course in a four-course set of self-paced courses encompassing 5G Voice Services. In this course, you will learn about 5G Core and EPC coexistence and the role of a combined core network architecture for voice solutions. You will also learn about domain selection for voice services and EPS Fallback operations. You will gain an understanding of SIP signaling for voice calls and moving a user from 5G to LTE during call setup for EPS Fallback. Each course in this four-course set can stand on its own or can be combined with other courses as necessary to meet your learning objectives.

Intended Audience

Planning, design, engineering and operations personnel

Objectives

After completing this course, the learner will be able to:

- Explain the rationale for EPS Fallback
- Describe 5G Core and LTE EPC interworking for EPS Fallback in 5G networks
- Identify the operations involved in EPS Fallback
- Summarize the role of Fallback and N26 in voice call scenarios

Course Prerequisites

5G Networks and Services

Outline

1. Interworking and EPS Fallback Overview
1.1 LTE Interworking
1.2 Why EPS Fallback?
1.3 5GC-EPC Interworking
1.4 EPS Fallback High-Level Operation

2. EPS Fallback Operations
2.1 Fallback and N26 Summary
2.2 Domain Selection for UE Originating Calls
2.3 SIP Signaling and Media Flow Summary
2.4 Call Origination with EPS Fallback
2.5 Call Termination with EPS Fallback
2.6 Ending the Call
Exercise: Context Request Signaling with N26
Exercise: EPS Fallback for Voice Call Flow
Exercise: EPS Fallback

Final Assessment

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