



## **5G Fixed Mobile Convergence Training**

This course aims to familiarize learners with the capabilities of 5G core networks in accommodating connectivity from wireline access networks, such as those utilizing broadband or cable technology. It delves into the intricacies of the new network architecture, covering its functions, reference points, and protocols. Additionally, it highlights the distinct network procedures, namely Registration, PDU Session Establishment, and Service Request, illustrating how these vary from conventional 5G operations.

The course concludes by examining IPTV service delivery within the context of a 5G wireline access network.

### **Audience**

Knowledge on Telecom network

### **Content of the Training (2 Days)**

### **1) Convergence Options:**

- 5G Fixed Wireline Access.
- 5G Fixed Wireless Access.
- 5G / Wi-Fi.
- UE behind 5G-RG.

### **2) Network Architecture:**

- a. 5G Residential Gateway.
- b. Fixed Network Residential Gateway.
- c. Wireline – Access Gateway Function.
- d. Non 3GPP Interworking Function.
- e. Trusted Network Gateway Function.

### **3) 5G-RG Wireline Access Registration:**

- a. Network Procedure.

### **4) FN-RG Wireline Access Registration:**

- a. Network Procedure.

### **5) Session Management and QoS:**

- a. The QoS Model.
- b. QoS Flow Parameters.

### **6) 5G-RG PDU Session Establishment:**

- a. Network Procedure.

### **7) FN-RG PDU Session Establishment:**

- a. Network Procedure.

### **8) Network Operation:**

- a. Connection Management.
- b. 5G-RG Service Request.

c. Delivering IPTV.