

APRISA LTE / 5G INSTALLATION, COMMISSIONING, AND MAINTENANCE TRN-APRISA-LTE-ICM-A/B/C

Course Specifics

Duration:	2 days
Class capacity:	10 students
Materials provided:	Student Handbook (e-Book)



Course Description

The Aprisa LTE two-day training course provides a basic overview of the Aprisa LTE product and its application.

Our training courses will teach you how to install, configure, and commission Aprisa LTE radio systems.

The course covers network applications, hardware architecture, software management and trouble shooting.

The training also provides the advantage of an in-depth understanding of the interfacing capability, ultimately allowing you to achieve operational efficiencies

This program is based on 60% hands-on lab work and 40% content slides. However, adequate backup material is provided in the training manuals for those who want to do more.

AVIAT expert trainers conduct courses in a mentoring environment backed by their deep technology expertise and experience in implementing wireless and IP networks.

The course is **conducted at Aviat Training locations or can be arranged at customer sites.**

Target Audience

This course is intended for Level 2 support groups, engineers, and technicians.

Pre-requisites

- Participants should have a basic understanding of Electronics, Telecommunications, and IP Fundamentals and have basic computer skills.
- Each student must bring an IBM compatible laptop PC and have administrator rights on the PC.

Objectives

Participants who have completed the course will have the knowledge and skills to carry out:

- Basic Aprisa LTE/5G configuration
- Installation of the Aprisa LTE/5G
- Performance monitoring, Troubleshooting, and Fault Diagnostics of the Aprisa LTE/5G

Course Outline

Aprisa LTE5G System Overview

- LTE Router Theory
- Interfaces
- Applications
- LTE Band Support

LTE Technology Overview

- LTE System Architecture
- EPS: Evolved Packet System
- UE User Equipment
- E-Node-B
- EPC: Evolved Packet Core

System Hardware

- Front Panel Connections
- Antenna Connections
- SIM Slots
- MIMO
- GNSS
- WiFi Options

Installation

- Unpacking the Box
- Power Connections
- SIM card Installation
- Mounting
- Antenna Mounting
- Factory Default

SuperVisor

- SuperVisor Connectivity and Login
- SuperVisor Menu System
- Management IP Address Configuration
- LTE Setup
- Network Interface Configuration
- WiFi Setup

Maintenance and Troubleshooting

- Maintenance Overview
- Configuration Backup and Restore
- Software Management
- Aprisa LTE/5G Alarms
- Monitoring Signal Levels
- Ethernet Monitoring
- Troubleshooting Overview

VPN and IPSec Setup

- VPN Glossary
- VPN Overview
- GRE Tunnels
- IPSec Tunnels
- Dynamic Multipoint VPNs (DMVPN)
- Firewalls
- Virtual Routing and Forwarding (VRF)

IP Routing

- Aprisa LTE/5G CLI
- Routing Overview
- Border Gateway Protocol (BGP)
- IS-IS
- OSPF

OSPF Lab

- OSPF lab Topology
- Interface Configuration
- OSPF Configuration
- OSPF Verification

Required Equipment for Training Sessions at Customer Sites

CLASSROOM SET UP Sufficient in size to handle all participants, instructor, desks, chairs, and classroom equipment. The room must have enough AC power and air conditioning to operate equipment, all students' client PCs, and the server or radio as required.

Hands-on participation of the trainees is subject to hardware availability in on-site sessions.

Pricing & Scheduling

Please contact your Aviat local sales team for a quote or email aviatcareeducate@aviatnet.com and request pricing for the following items:

TRN-APRISA-LTE-ICM-A	APRISA LTE: Installation, Commissioning, and Maintenance- ILT- 2 Days- Aviat Training Center- Open Enrollment- per Student.
TRN-APRISA-LTE-ICM-B	APRISA LTE: Installation, Commissioning, and Maintenance- ILT- 2 Days- Aviat Training Center- 10 Students Max.
TRN-APRISA-LTE-ICM-C	APRISA LTE: Installation, Commissioning, and Maintenance- ILT- 2 Days- Customer Location- 10 Students Max.