

# Telecoms Engineering

**Course Name**

Cisco IOS XR Advanced Network Management

**Course Description**

This course provides the learner the knowledge and skills to understand or operate and maintain the NRT FTNx Cisco IOS XR network equipment.

The course is split into 11 sections:

Section 1: Cisco IOS XR Software Overview

Section 2: Cisco IOS XR Software Operations

Section 3: Network Time Synchronization

Section 4: SNMP, Telemetry, and Logging

Section 5: Cisco IOS XR 64-Bit Software Routing Protocols

Section 6: Packet Filtering

Section 7: Cisco IOS XR 64-Bit Multiprotocol Label Switching

Section 8: Layer 3 VPNs

Section 9: Cisco IOS XR Software Layer 2 Architecture

Section 10: Cisco IOS XR Layer 2 Services

Section 11: Monitoring Processes

**Audience**

-Field engineers (e.g. Field Services and Route Communication Engineers teams)  
-Network Management Centre (NMC) Tier 1 engineers - NMC Tier 2 engineers -  
NMC Tier 3 engineers - Network Designers - Senior Network Architects

**Duration:** 5 Day(s) **Class Size:** 8

**Competence Name Awarded****Competence Awarded****Course Code****Prerequisite Name**

Cisco IOS XR basics Principles of Testing and Commissioning on Telecoms Equipment TCP/IP and Cisco fundamentals

**Prerequisite Short Code**

IOSXRB, Tel 600, TCPIP 0871

**Skills Assessment Scheme Regime****Course Type**

Face to Face

**Download Date: 20/5/2024**