

## Course Description

Learn the essential skills and procedures you need to turn up access networks using the EXA (Ethernet eXtensible Architecture)-powered Calix C7 Multiservice Access Platform. The self-paced course focuses on system familiarization, basic service provisioning, network turn-up, configuring Ethernet transport using the RAP-10GE, configuring SONET transport, and network maintenance.

### Objectives

- Describe the three levels of a C7 network
- Turn up a C7 network using SONET and Ethernet Transport
- Perform basic C7 user interface operations using iMS and CMS
- Maintain a C7 network
- Provision GR-303 voice service on a shelf

### Who should attend?

- Technicians who perform installation, provisioning, operations, and maintenance of C7 networks.

### Prerequisite Training and Skills

- Completion of the C7 Overview online course
- Knowledge of telecommunications and engineering standards

### Delivery Mode

This online eLearning course consists of content delivered as video clips, simulations, demonstrations, and other self-paced formats. Calix eLearning courses are often accompanied by voice-over audio. To get the most out of your learning experience, Calix recommends accessing your eLearning course through Chrome or Firefox.

Course Duration: 120 minutes

Lessons	Topics
<b>01</b> C7 Overview	Three levels of a C7 Network C7 Hardware Overview
<b>02</b> C7 User Interface Overview	Basic User Interface Operations Log into iMS Log into CMS Working with Node-Level Settings Working with Shelves and Line Cards
<b>03</b> C7 Network Turn-Up	System Turn-Up Creating New C7 Nodes Transport Overview Deploying Optical Transport Configuring Ethernet Transport Configure Shelf Timing C7 Management Setup Remote C7 Turn-Up Adding C7 Networks to CMS
<b>04</b> Maintaining Your Network	Equipment Protection C7 Backup Replacing Cards C7 Logs Calix Upgrade Program
<b>05</b> GR-303 Voice Services	GR-303 Overview Configuring GR-303 Groups Configuring Voice Concentration Activating Voice Service Troubleshooting GR-303 Problems