



# Tellabs® Optical LAN Operations, Provisioning and Maintenance

## Orderable Part Numbers:

SL40-OPM3838-C (Public)

SL40-OPM3838-OS (On-Site)

SL40-OPM3838-VC (Virtual)

## Overview

This instructor-led course provides the knowledge and skills needed to operate, provision and maintain a Tellabs Optical LAN Access system using the Tellabs® Panorama™ PON Manager.

After a brief introduction to the Tellabs OLT and ONT Optical LAN system and hardware functionality, students will learn how to provision the system to provide the voice, data and video services and applications supported by the Tellabs Optical LAN system. Students will also learn tools and procedures for monitoring and maintaining the system.

This course includes hands-on activities using Tellabs training lab equipment. It is designed to help students learn the concepts that have been presented and reinforce what they have learned.

## Course Objectives

Upon completion of this course, students will be able to:

- Identify the features and functionality of the Tellabs Optical LAN Access Solution
- Describe the network functionality of the Tellabs Optical LAN Access Solution
- Describe the common equipment associated with the Tellabs Optical LAN Access Solution series of equipment
- Perform provisioning procedures for the Tellabs OLT system voice and data services using the Tellabs Panorama PON Manager
- Perform equipment management and monitoring procedures using the Tellabs Panorama PON Manager
- Perform trouble-clearing procedures of common problems

## Prerequisites

It is highly recommended that students have a basic knowledge of Ethernet switching and routing.

## Target Audience

This course is designed for Network Operations and/or any individuals responsible for operating, provisioning, maintaining and monitoring a Tellabs Optical LAN system.

## Course Outline

After a brief system overview of the features and functionality of the Tellabs 1100 Optical LAN Access Solution, students will have access to the Optical LAN equipment & PON Manager to learn process & procedures for operating, provisioning, and maintaining the system.

### 1. Panorama PON Manager Operations

- Navigate the Panorama PON Network Manager
- Add and configure the Network Element
- Configure links, ONTs and ports
  - Panorama Overview
    - Overview
    - Main Window Components
    - Navigating the Common Tree
    - System Options and Defaults
  - NE Management
    - OLT Commissioning Wizard
    - Add OLT Wizard
    - NE Configurations
    - Equipment and Inventory Views
    - Software and Databases
  - Links, ONTs and Service Ports
    - Configuring Links
    - Configuring ONTs
    - Configuring Service Ports

### 2. Service Provisioning

- Create Customer Services
  - Data Service Creation
    - Provisioning Overview
    - Dynamic Service Provisioning
      - Creating ACLs
      - Creating Service Profiles
      - Creating a NAC Profile
      - Provisioning a Dynamic Port
  - CLI Commands for Provisioning
    - CLI Command Usage
    - ONT-Related Operations
    - Ethernet Port Profile-Related Operations
    - Other Useful CLI Commands

### 3. Maintenance

- Manage System Alarms and Status
- Perform OLT Field Maintenance
- Perform Maintenance Procedures
  - Using the Alarms & Events View
    - Launching the Alarm List Manager
    - Navigating the Alarm List Manager
    - Using Alarm Filters
    - Alarm AID Formats
    - Alarm Log Files
    - Events View
  - Using the Troubleshooting, Test & Maintenance User's Guide
    - Autonomous Message Table
    - Troubleshooting Procedural Overview
  - Line Status
    - Ethernet Service Line Status
    - GPON Link Status
    - Ethernet Port Uplink Status
    - ONT Status
  - Tellabs® 1100 MSAP Craft Interface
    - Craft Access Parameters
    - Navigation Guidelines
    - ESU Craft Functions
  - EMS Maintenance
    - EMS Backup and Restore
    - EMS Upgrade Procedures
  - Creating Reports
    - Report Job Manager
    - Inventory Reports

### Class Specifics

- Course Duration: 3 Days
- Class Location: Training Center or on-site or virtual if suitable facilities are available
- 80% hands-on; 2:1 student-to-equipment ratio
- Class size: minimum of four to a maximum of eight students
- Class delivered by Global Knowledge
- Tellabs will provide a voucher for redemption

Take the next step. Contact Tellabs today.



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