FLASHWAVE 7120 System Turn-Up, Test and Maintenance

Ordering Information

Course Code: 7120-TM
Course Duration: 4 Days
Ordering Numbers:

- In-House: TRIH-7120TM
- Suitcase: TRSC-7120TM*
- MSP Suitcase: TRSE-7120TM*

* For suitcase pricing, contact your Fujitsu Sales Representative or email our Training Coordinator at knowledge.delivery@fnc.fujitsu.com.

Prerequisites

- SONET Tutorial
- DWDM Tutorial
- Recent experience with DWDM equipment

Course Contents

- Overview
- Units
- Configurations
- Connection Oriented Ethernet
- Management Systems
- Provisioning
- Acceptance Testing
- Maintenance
- Hands-On Exercises

Course Description

This course teaches how to turn-up, test, provision, maintain, operate, isolate faults and clear trouble for various configurations and hardware features through extensive hands-on exercises. The course also introduces support resources, such as the Fujitsu Technical Assistance Center (TAC) and Partners Technical Documentation.

Who Should Attend

The course is recommended for central office and field personnel who perform turn-up, test local provisioning and who perform maintenance, fault isolation and trouble-clearing. Engineers, NOC personnel and supervisors also benefit from this course.

What you will learn

Overview

- Shelves and Capabilities
- Large Shelf
- Expansion Shelf
- Passive Shelf
- Filter and Channel Plan
- Management Communication Channel

Units

- Main Shelf Units
- Expansion Shelf Units
- OSC Units
- Transponder Units
- Muxponder Units
- Processor Unit
- Amplifier Units
- CWDM Units
- DWDM Units
- Ethernet Units
- Power Monitor
- Noise Filter Unit
- DCM
- Form-Factor Pluggable Units

Carrier Ethernet

- Layer 2 Ethernet
- VLAN Support
- Bridging
- UNI, INNI and ENNI
- Services
- CoS
- QoS
- SOAM
- Protection
- ERPS
- Specifications

Configurations

- Reach Extension
- Capacity Expansion

- Wavelength Conversion
- Wavelength Regeneration
- Supported Configurations

Management Systems

- Access using Ethernet
- NETSMART 712 Element Manager
- TL1
- NETSMART 1500 Management System

Provisioning

- Autoprovisioning
- System Provisioning
- Expansion Shelf Provisioning
- Equipment Provisioning
- Removing Equipment from Service
- Restoring Database to Service
- Retrieving Equipment Attributes
- Retrieving Equipment Inventory
- Deleting Equipment
- Optical Amplifier Provisioning
- Wavelength Conversion Provisioning
- Port Provisioning

Acceptance Testing

- Features
- Alarms
- Network Performance Monitoring
- Loopbacks

Maintenance

- OAM&P
- Backup and Restore
- Alarm Thresholds
- Alarm Severity Codes
- Clearing Alarms
- Events
- Conditions