

Course Name:

AMN 6100 DWDM Field Engineering Course

Overview:

This course will provide the student with the instruction and lab experience required to build a knowledge foundation in the operation, maintenance, administration and provisioning (OAM&P) of Hitachi Telecommunications AMN 6100 DWDM Network Elements. User interface training will be done using the Graphical Local Craft Terminal (GLCT) software, with an explanation and familiarization of the Element Manager (EM) software. The course is targeted toward Field Engineering and Network Monitoring Personnel. This is a recommended pre-requisite for the EM operations course.

Upon completion of this course, the student will be able to use the GLCT software to turn-up, provision, monitor, maintain and trouble shoot a span of AMN 6100 DWDM Network Elements (NE=s). The student will be required to take a final assessment that will be used to certify successful course completion.

Objectives:

At the completion of this course the student will be able to:

1. Identify all of the AMN 6100 system supported configurations,
2. Identify the AMN 6100 system specifications,
3. Identify the AMN 6100 system features and user interfaces,
4. Identify the AMN 6100 system hardware and signal flow,
5. Understand the AMN 6100 networking features,
6. Understand fault detection and monitoring in the AMN 6100 system,
7. Verify the proper installation of the shelves and modules for the AMN 6100 system,
8. Using the GLCT, configure and maintain operational control of the AMN 6100 system,
9. Recognize, analyze, and clear system alarms within the AMN 6100 system, and
10. Perform system maintenance and trouble clearing.

Prerequisites:

An understanding of the following:

1. Basic Fiber systems
2. Basic multiplexing and demultiplexing
3. Basic SONET
4. Basic Troubleshooting Techniques
5. Basic Test Equipment
6. Basic PC Skills
7. Basic TL1 Commands

Lessons:

1. Course & Hitachi Overview
2. AMN 6100 System Overview / Configurations
3. System installation verification
4. General description of the AMN 6100 Circuit Packs
5. Introduction to Graphical Local Craft Terminal (GLCT) and Element Manager (EM) Interfaces
6. Node management using the Graphical Local Craft Terminal (GLCT)
7. Alarm and trouble clearing
8. System Trouble Shooting

Mode of Delivery:

Length:

Instructor Led

3 Days

Location:

Hitachi Telecom (USA), Inc.
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