

## Course Name:

### AMN 5192 4F-BLSR Element Manager

## Overview:

This course will provide the student with the instruction and lab experience required to build a knowledge foundation in the operation, maintenance, and provisioning (OM&P) of Hitachi Telecommunications AMN 5192 4F-BLSR network using the Element Manager (EM) software. The course is targeted toward Network Operations and Control Center personnel.

Upon completion of this course, the student will be able to use the EM software to provision, monitor, and maintain a network of AMN 5192 4F-BLSR Network Elements (NE=s). The student will be required to pass a final assessment that will certify successful course completion.

## Objectives:

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

1. Set-up the Element Manager (EM) workstation and start an EM Session
2. Create and maintain network and subnet topology configurations
3. Create and maintain crossconnects for individual subnets
4. Evaluate subnet bandwidth utilization and availability
5. Manage and evaluate Protection Switching using the EM
6. Evaluate and administrate system performance using Performance Monitoring
7. Maintain system software by loading new software to EM and then to NE's
8. Set-up and monitor overhead channels
9. Set-up and monitor TL1 to OSS connections
10. Provision and maintain system timing
11. Provision and maintain system security
12. Provision and maintain system housekeeping
13. Provision network, subnet, NE, and EM alarms using ASAP tool
14. Using Alarm Monitor, Event Log, and other tools, troubleshoot network using the EM

**Prerequisites:**

An understanding of the following:

1. Telecommunications systems and standards,
2. Data communications systems, standards, and protocols,
3. Completion of the AMN-5192 Hardware Course,
4. Hewlett-Packard workstation
5. HP UNIX (ver.9.0.7)

**Lessons:**

1. Introduction to AMN-5192 Network
2. EM Architecture
3. Overview of the Interfaces
4. Install & Turn-up EM Workstation
5. EM Graphical User Interfaces (GUI's)
6. Provisioning with the EM
7. Troubleshooting with the EM
8. Course Review
9. Course Assessment and Evaluation

**Mode of Delivery:****Length:**

Instructor Led

5 Days

**Location:****Cost:**

Hitachi Telecom (USA), Inc.  
3617 Parkway Lane  
Norcross, GA 30092  
(770) - 446 - 8820 - voice  
(770) - 242 - 1432 - fax

\$1,250.00