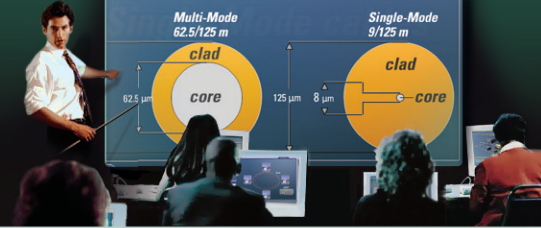




TN1U/TN1Ue

TRNG-TN1U

SDH MULTIPLEXER



WHAT WILL I LEARN FROM THIS COURSE?

This course will provide students with a comprehensive understanding of the procedures needed to install, configure and maintain a TN1U SDH Multiplexer system. The course begins with a review of the SDH Multiplexer standards and then proceeds to cover the hardware and configuration methods for all interface units and how to interpret all of the alarm messages to assist in maintenance and troubleshooting .

PREREQUISITES

- An understanding of basic electrical circuits
- A knowledge of Fiber Optic Transmission principles
- Digital transmission theory
- JungleMUX Hands-On Training Course

WHO SHOULD ATTEND?

Technical staff responsible for the maintenance and operation of the TN1U or TN1Ue equipment will benefit from this course.

TUITION

\$ 9,300 US*

COURSE DURATION

4 - 5 Days

CEU CREDITS OFFERED

2.8 Credits

AGENDA

- SDH Basics for TN1U Users
 - Exercises
- System Configuration
 - Product Features
 - Network Topologies
 - Product Structure
 - System Interfaces
- Common Equipment
 - 86430 Equipment Shelves
 - Exercises
 - 86431 Power Unit
 - 86432 STM 1 Aggregate Unit
 - Reference Clock Distribution
 - 86490 TUG-3 Unit
 - 86480 External Sync Unit
 - Exercises
 - 86485 CMUX Unit
 - 86434 Service Unit
 - 86471 Orderwire Unit
 - Exercises
- Network Management System (NMS)
 - NMS Software
- Hands on Training
- Interface Units
 - 86444 4W VF E&M Unit
 - 86445 2W VF FXO & FXS Unit
 - 86449 2W VF E&M Unit
 - 86474 4W VF Partyline Unit
- Exercises
 - 86448 DATA-LS Unit
 - 86465 DATA-PTM Unit
 - 86446 HS DATA Unit
 - 86466 DATA-G703 Unit
 - 86464 DATA-NX64 Unit
 - 86464 DATA-NX64F Unit
 - 86439 E1 Unit
 - 86438 JIF ETHER & ETHER-10 Units
 - 86418 01 ETHER-100 Unit
 - 86491 DS3 Mapper Unit
 - Exercises
 - 86441 DTT-XMT Unit
 - 86442 DTT-RCV Unit
 - 86429 DTT Test Panel
 - Pilot Wire Protection
 - 86443 CDR Unit
 - 86463 Contact I/O Unit
 - Exercises
 - 86410 VMapper-40 Unit
 - 86411 VMapper-10 Unit
 - 86412 MPEG-4 Video I/O Unit
 - 86412 Wavelets Video I/O Unit
 - Vport-F Unit
 - Remote Video I/O Assembly
 - Exercises
- Warranty & Policies
 - Warranty & Manufacturing Quality
- Product Support Center
 - ETAC
- Engineering
 - Node Assignment Drawing
 - Delays
 - Link Loss Budget
- Alarms
 - Common Equipment Alarms
 - Interface Unit Alarms
- Maintenance
 - STM-1 Aggregate Unit Maintenance
 - BER Statistics Screen
 - TUG-3 Unit Maintenance
 - VMapper-40 Unit Maintenance
 - Video I/O Unit Maintenance
 - Channel Maintenance
- Troubleshooting
 - STM-1 Aggregate Unit Troubleshooting and Loopbacks
 - External Sync Unit Troubleshooting
 - TUG-3 Level Units' Troubleshooting
 - TIF Level Units' Troubleshooting
 - Interface Units' Troubleshooting
- Commissioning, Testing, Hands-on
 - Miscellaneous Testing
 - Hands-on exercises

* Tuition shown is for customer site courses (up to 6 students). Contact us for pricing.