



JMUX

TRNG-JMUX2

SONET MULTIPLEXER HANDS-ON TRAINING

WHAT WILL I LEARN FROM THIS COURSE?

This course will provide students with an understanding of the hardware structure, operational configuration and maintenance procedures for the JungleMUX line of products. Students will be shown how to install and configure the different types of Interface Units, how to interpret Alarm messages and how to perform Maintenance and troubleshoot the entire communication system.

PREREQUISITES

- An understanding of basic electrical circuits
- A knowledge of Fiber Optic Transmission principles
- Digital Transmission theory

COURSE DURATION

4 Days

WHO SHOULD ATTEND?

Personnel who will be actively involved in the installation, configuration and maintenance of a JungleMUX network will benefit from this course.

TUITION

\$ 950 US*

Note: A Camera Cameleon™ product overview may also be ordered at an additional cost of \$500 US. This will add an extra day to the training. The product overview does not include individual Camera Cameleon™ Hands-On training, however, a live demo will be provided.

CEU CREDITS OFFERED

2.8 Credits

AGENDA

Day 1

- Sonet Basics
 - Exercises
- System configuration
 - Product features
 - Network topologies
 - OC-1 JungleMUX product structure
 - OC-3 JungleMUX product structure
 - OC-12 JungleMUX product structure
 - System Interfaces
- Common equipment
 - 86430 Equipment Shelves
 - Exercises
 - 86431 Power Unit
 - 86425 AC Power Unit
 - 86433 OC-1 JMUX Unit
 - 86432 OC-3 JMUX Unit
 - 86417 OC-12 JMUX Unit
 - Reference Clock Distribution
 - 86490 SPE-JIF Unit
 - 86480 External Sync Unit
 - Exercises

Day 2

- Common equipment (continued)
 - 86485 JIF-Share Unit
 - 86434 Service Unit
 - 86471 Orderwire Unit
 - Exercises
- Network Management System (NMS)
 - JungleMUX Software
- Hands-On Training

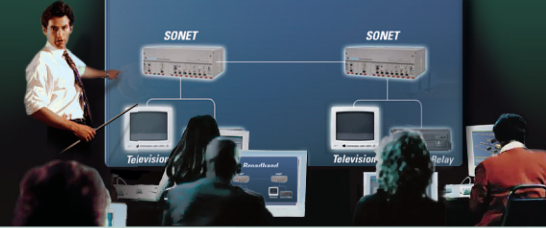
Day 3

- 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
- 86437 JIF-DS1 Unit
- 86437 Quad DS1 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



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AGENDA (CONTINUED)

Day 4

- Interface Units (continued)
 - 86410 VMapper-40 Unit
 - 86411 VMapper-10 Unit
 - 86412 MPEG 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
 - OC-3 Node Assignment Drawing
 - OC-12 Node Assignment Drawing
 - JungleMUX Delays – OC-1 Network
 - JungleMUX Delays – OC-3 Network
 - JungleMUX Delays – OC-12 Network
 - Link Loss Budget
- Alarms
 - Common equipment alarms
 - Interface Unit alarms
- Maintenance
 - JMUX Maintenance
 - BER Statistics screen
 - SPE-JIF Unit maintenance
 - VMapper-40 Unit maintenance
 - Video I/O Unit maintenance
 - Channel maintenance
- Troubleshooting
 - JMUX Unit troubleshooting and loopbacks
 - JMUX Unit Access commands
 - SPE Level Unit troubleshooting
 - External Sync Unit troubleshooting
 - JIF Level Unit troubleshooting
 - Interface Unit troubleshooting
- Commissioning, Testing & Hands-On exercises
 - Miscellaneous testing
 - Hands-On exercises