

### Multiple Architectures and Operations Training

The FLASHWAVE® 4300 Maintenance and Trouble Clearing course covers the most common architectures including Terminal, Linear ADM (1+1), Unidirectional Path Switched Ring (UPSR) and 2-Fiber Bidirectional Line Switched Ring (BLSR). Attendees will also receive operations training for craft interface using FLEXR® GT software, TL1 and TCP/IP, as well as an introductory overview of NETSMART® 1500 element management software.

### Enhance Employee Knowledge

Enhancing the performance of your network does not stop with the installation of the FLASHWAVE 4300 multiservice platform. Today more than ever before, your employees must continually expand their technical knowledge to ensure the quality operation and service of your core optical transport system.

At Fujitsu, we believe the quality of technical education depends on much more than just textbook instruction and user manuals. Your employees need hands-on, real-world training to perform a variety of maintenance procedures from simple Performance Monitoring to complex network migrations and upgrades.

### Hands-On FLASHWAVE 4300 Training

The FLASHWAVE 4300 Maintenance and Trouble Clearing course provides the training your technicians need to monitor, interpret and correct faults in your multiservice system. During this intensive four-day course, attendees will receive hands-on training in one of our state-of-the-art classrooms equipped with multiple FLASHWAVE 4300 systems.

With an approximate ratio of 70 percent hands-on lab training and 30 percent classroom instruction, technicians will learn to maintain equipment and clear trouble on the FLASHWAVE 4300 platform through:

- Performance Monitoring
- Alarm interpretation
- Condition reports/analysis
- Fault isolation and resolution
- Upgrades and migrations

### Expertise from Certified Instructors

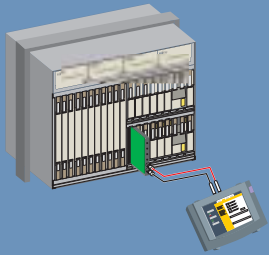
The Maintenance and Trouble Clearing course is led by a certified instructor and is delivered in our technologically advanced training center in Richardson, Texas. Our instructors are industry experts who have completed the GR-839 requirements for certification and are continually retrained as the FLASHWAVE 4300 platform is updated.

### Who Should Attend?

The FLASHWAVE 4300 Maintenance and Trouble Clearing course will benefit all personnel responsible for the maintenance of FLASHWAVE 4300 units. Additionally, other personnel who wish to gain a general understanding of FLASHWAVE 4300 functions and architecture are also encouraged to attend.

### Register Today

Sign up for this extensive course today and start streamlining the maintenance and trouble clearing of your next-generation FLASHWAVE 4300 platform. Call (972) 479-4961 or visit our Web site at [us.fujitsu.com/telecom](http://us.fujitsu.com/telecom) for more information.



- Hands-On Training
- Certified Instructors
- State-of-the-Art Classrooms

Time	Day 1	Day 2	Day 3	Day 4	Day 5						
8:00		<b>Plug-in Units</b> (continued)	<b>Upgrades and Migrations</b> • Software Downloads • Remote Memory Backup • System Software Upgrades • Migrations • Release Compatibility	<b>Performance Monitoring</b> • System Overview • Performance Monitoring • Equipment Configurations • SONET and EoS Applications • ATM Applications	<b>Maintenance Techniques</b> (continued)						
9:00		<b>Protocols</b> • SONET • Ethernet over SONET (EoS) • ATM				<b>Synchronization</b> • Synchronization Types • Stratum Levels • Sync Lists • Isolating and Resolving Timing Problems	<b>Network Interfaces</b> • Access to Network Element • OSS Interface Operations • Computer Equipment and Cabling				
10:00								<b>Management Systems</b> • FLEXR GT • TL1 • NETSMART 1500	<b>Critiques and Certificates</b>		
11:00										Lunch	End of course
11:30											
12:30	<b>Introduction</b> <b>Course Description</b> <b>Plug-in Units</b> • Common Plug-in Units • Interface Plug-in Units	<b>Hands-on Exercises</b> <b>Fault Isolation</b> • Alarm and Condition Reports • Equipment Problems • Network Problems <b>Maintenance Techniques</b> • Handling/Cleaning Fiber • Removing/Installing Plug-in Units • Orderwire • Inventory Report									
1:00				<b>End of class day</b>							
2:00					End of class day						
3:00						End of class day					
4:00							End of class day				
5:00	End of class day										