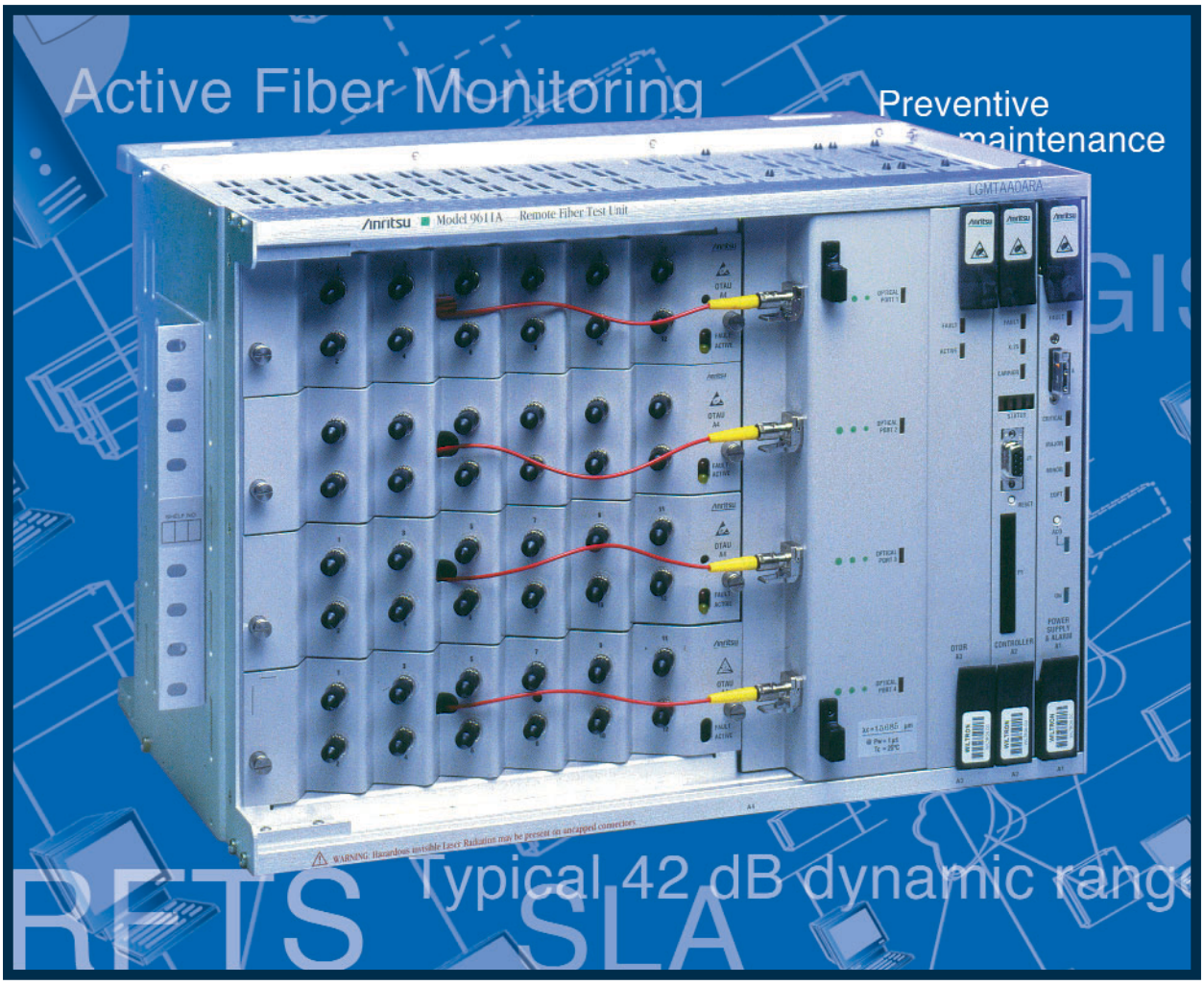
Anritsu

RFTS

Remote Fiber Test System



The Complete Integrated Solution
for Testing and Managing Fiber Networks

independent

RFTS

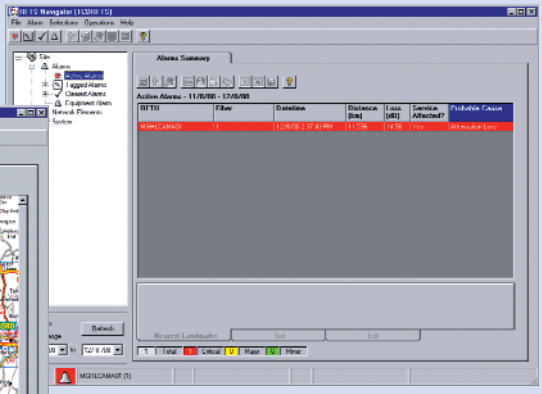
RFTS Remote Fiber Test System

Anritsu's RFTS is the complete integrated solution for testing and managing fiber networks

There is more riding on your fiber now than ever before. DWDM has increased fiber traffic capacity and thus the value of your traffic has increased accordingly. It is now more important to proactively monitor and maintain your fiber networks. Due to huge penalties specified in Service Level Agreements (SLAs) and Quality of Service (QoS) commitments, carriers have financial incentives to take measures in maintaining their fiber network.

Why Use Anritsu RFTS?

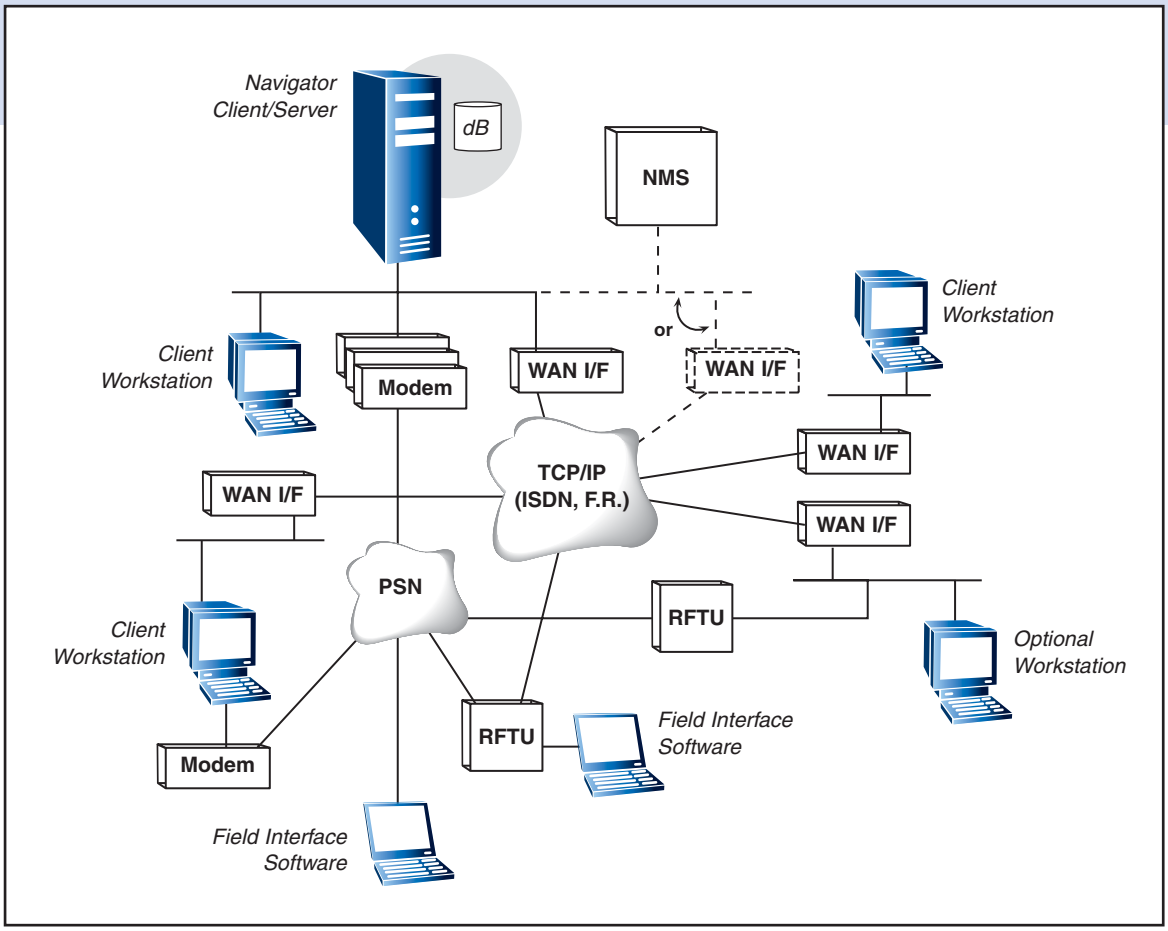
- Inclusion of SLAs
- Competitive advantage
- Improve and maintain QoS
- Proactively monitor and test your network
- Test fibers in or out of service
- 24/7 Anritsu customer support



Reduce truck rolls and increase maintenance efficiency through internal economies of scale. Detecting fiber degradation before failure while reducing meantime to repair is key to succeeding in today's competitive business environment.

In most cases, the time saved using Anritsu's RFTS to locate and isolate the first fiber break will yield a full Return On Investment (ROI). In addition, a higher level of customer satisfaction will also be achieved through improved QoS and by maintaining SLAs.

Active Fiber Monitori



Typical Use Scenario

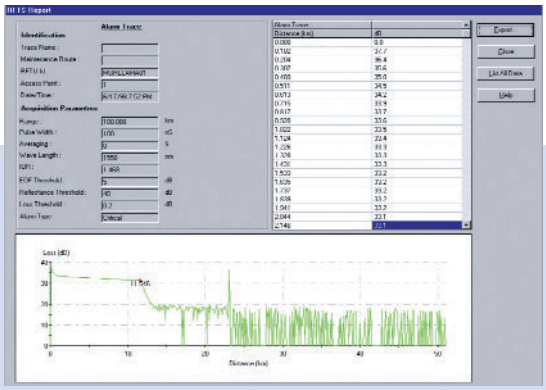
Certain parts of your network require different coverage schemes. Our pre-sales technical support team can assist you in determining the most efficient and effective level of coverage for your network.

You can choose redundant coverage in areas of the network that are mission critical to your business. Lower-cost coverage options are also available for less critical sections of the network. Regardless of how small or large your network, Anritsu's RFTS can manage it. Our OSS and Remote Fiber Test Unit (RFTU) are designed to be scalable and flexible to meet your needs. A variety of custom-tailored integration designs are easily implemented.

- RFTUs operate independently of each other
- Flexible monitoring plans
- Redundant coverage
- Ease of integration into your current active network
- Manage your network via desktop client
- Centralized troubleshooting, fault location and line degradation detection before the truck roll

Preventive maintenance

GIS



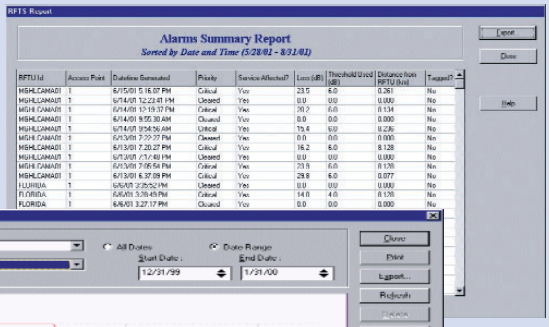
Anritsu's Navigator Operations Support System is robust and scalable. It is currently deployed in North America's largest fiber-optic network and other networks globally. It is robust enough to manage the largest of networks, yet provides GUI interface screens and menus, so that users of all abilities find it fast, simple and intuitive.

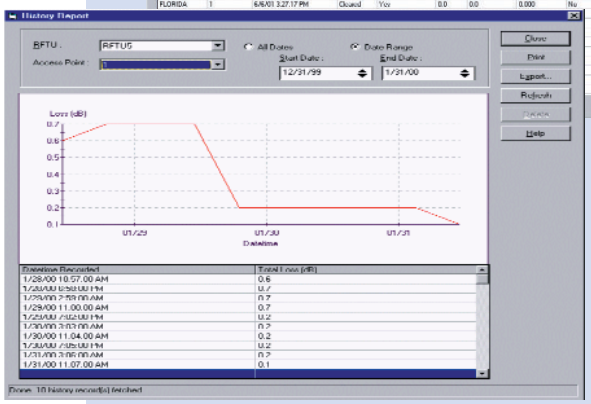
- Graphic User Interface (GUI) is simple and intuitive
- Scalable and robust
- Alarm reporting
- Demand testing
- Alarm management and notification
- Online help

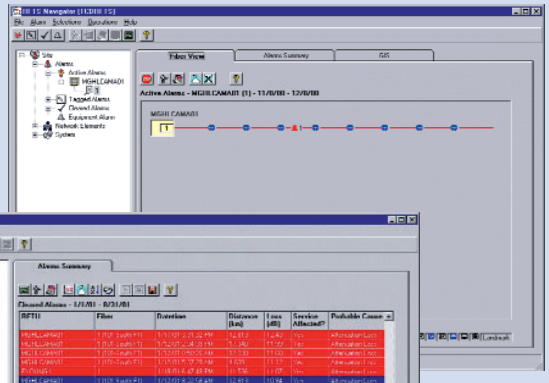
Navigator features alarm management and notification that are crucial in maintaining your QoS and SLAs. Alarms can be simultaneously transmitted to e-mail, pagers, monitors, or printers via standard protocols i.e. SNMP, TCP/IP, SMTP, etc.

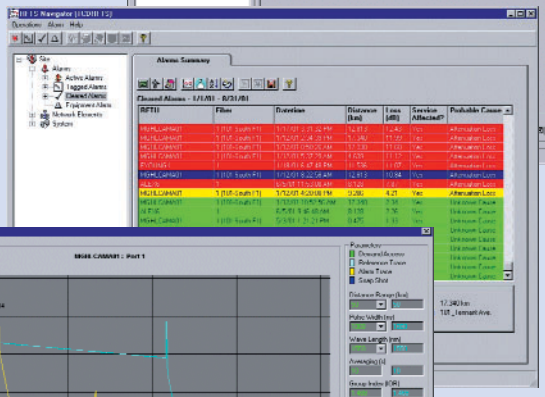
- Integration capability with NMS via open extensible Application Program Interface (API)
- Ease of transferring pre-existing network data files
- Flexible open architecture

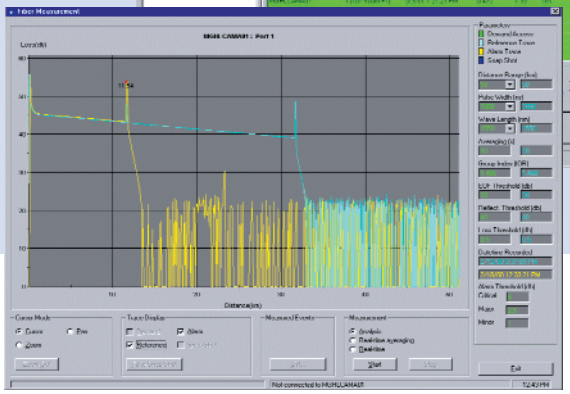
Anritsu's OTDR technology has been proven by the fiber industry over many years to be dependable and accurate. Anritsu also uses unique dual Laser Diodes, which are factory matched, to improve dynamic range.

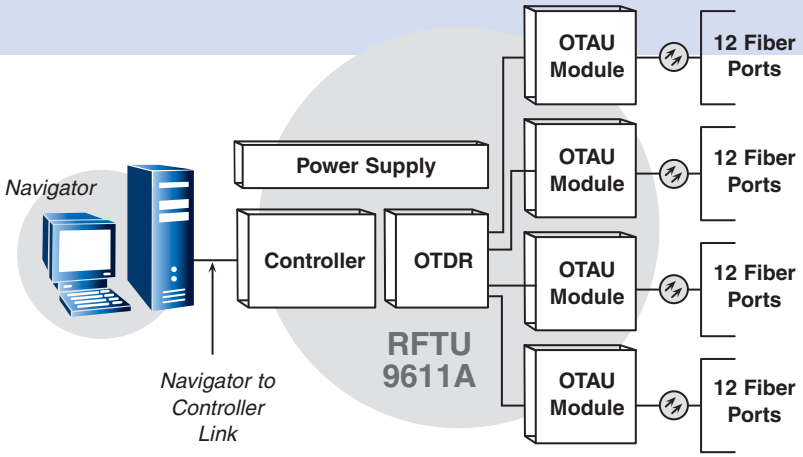






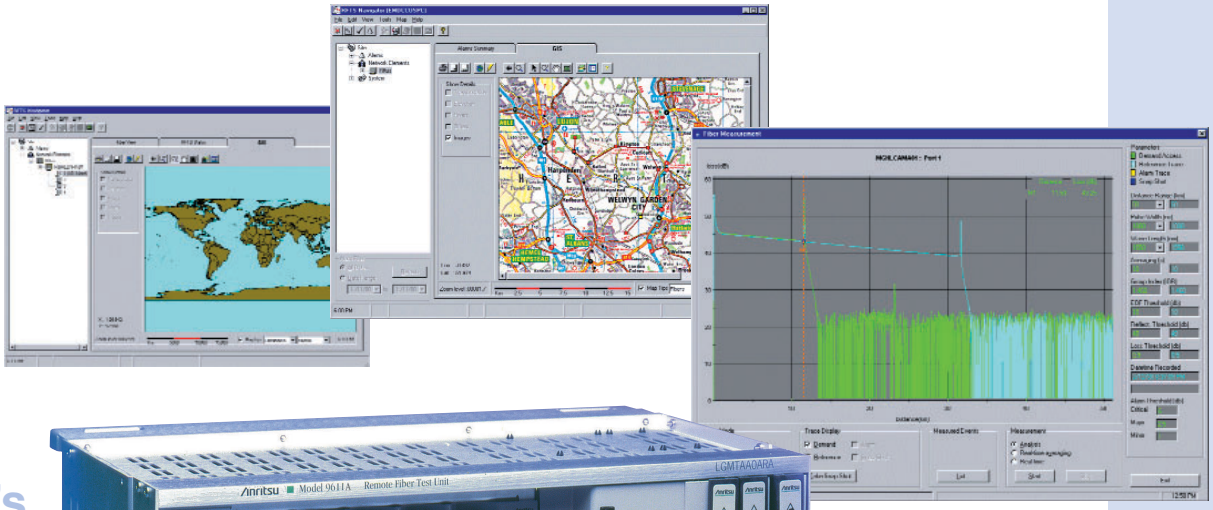






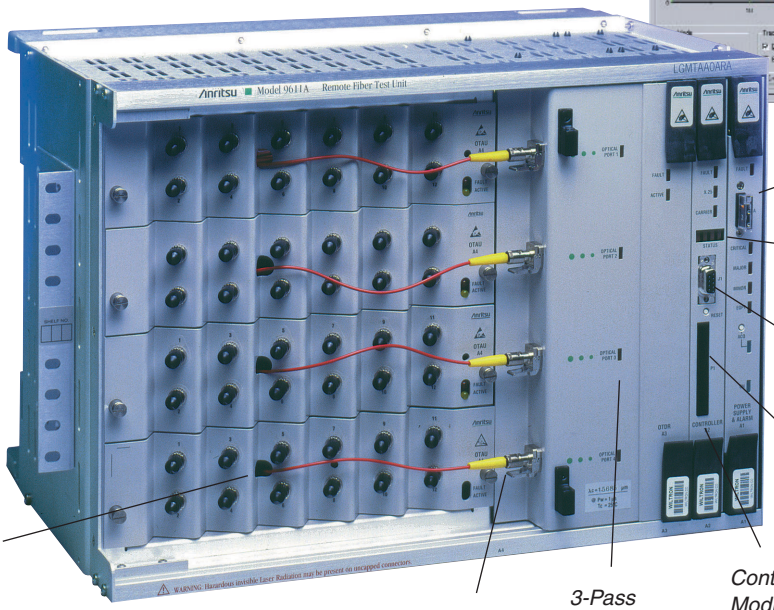
RFTU 9611A

- Dynamic range typical 42 dB
- Internal self calibration
- Independent health check
- 3-pass scan with near-end scan accurate down to 5 meters



Anritsu's RFTS

The Only Remote Fiber Test System your Network Will Ever Need



Power Supply Module

OTDR LED Status Display

Field Interface Serial Port

Firmware Flash Card Port

Controller Module

3-Pass OTDR Module

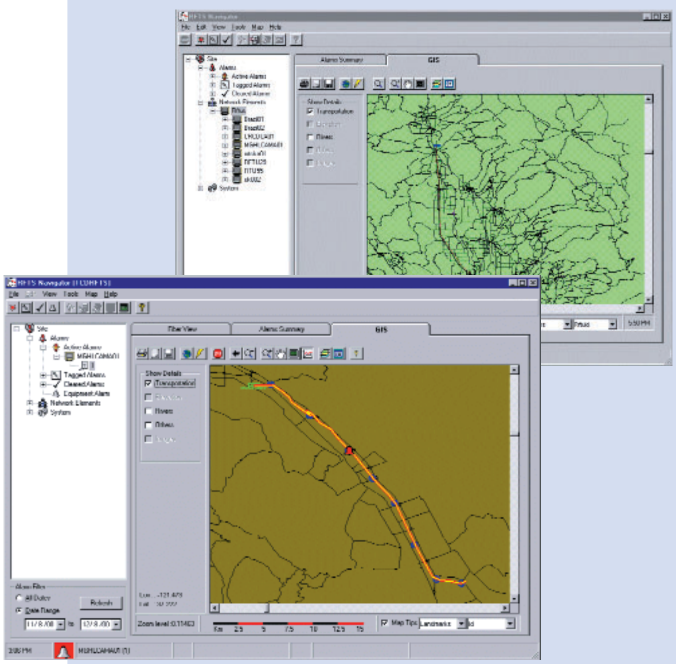
Changeable and Replaceable Optical Connectors

OTAU Modules Provide the Flexibility to Monitor From 1 to 48 Fibers

GIS

Incorporating our Geographical Information System (GIS) feature with our RFTS takes all the guesswork out of isolating a fault. Field tested, Navigator GIS enables network operators to locate faults within a meter. Navigator's GIS uses an open architecture scheme that allows the display of virtually any type of map format.

- Flexible Geographic Information System
- Geographic map display of alarms and outside plant equipment
- Automated Data Entry (ADE)
- Reduced administrative workload



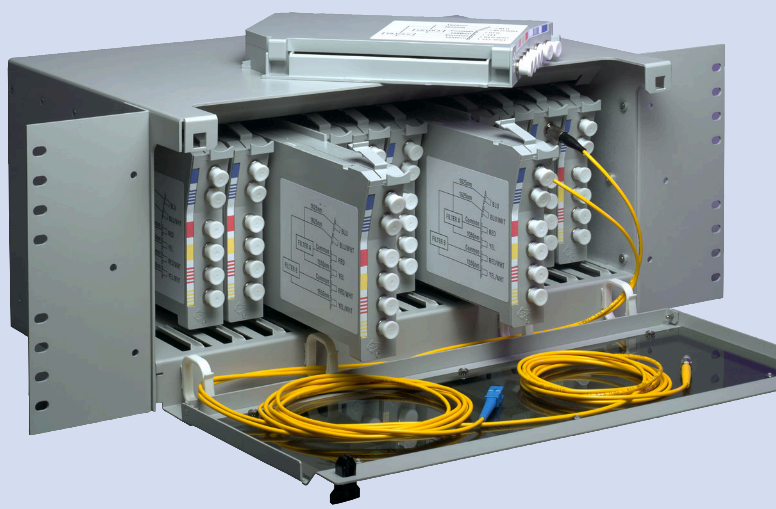
Landmark data can be imported into the Navigator GIS database via the import/export feature. Navigator allows you to import your valuable landmark data seamlessly into the GIS database, thus greatly reducing administrative efforts.

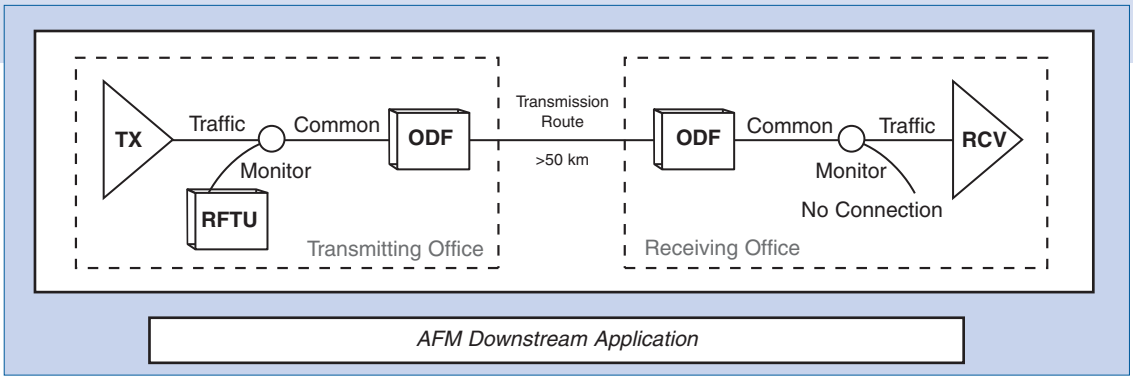
In addition, all fibers in the same cable route can be provisioned using the same cable route data. This eliminates the need to provision each individual fiber route.

	A	B	C	D	E	F	G
1	Fiber Path						
2							
3	Landmark Name	Distance From RFTU (km)	Spare Distance From Previous Landmark (km)	Spare Distance To Next Landmark (km)	Landmark Type	X Coordinate (Longitude)	Y Coordinate (Latitude)
4						121.0640721040	37.2795417526230
5	lm main	5	2.000	2.500	Connector Box	-121.0601948450	37.24875301456
6						-121.0531789565	37.2147373853082

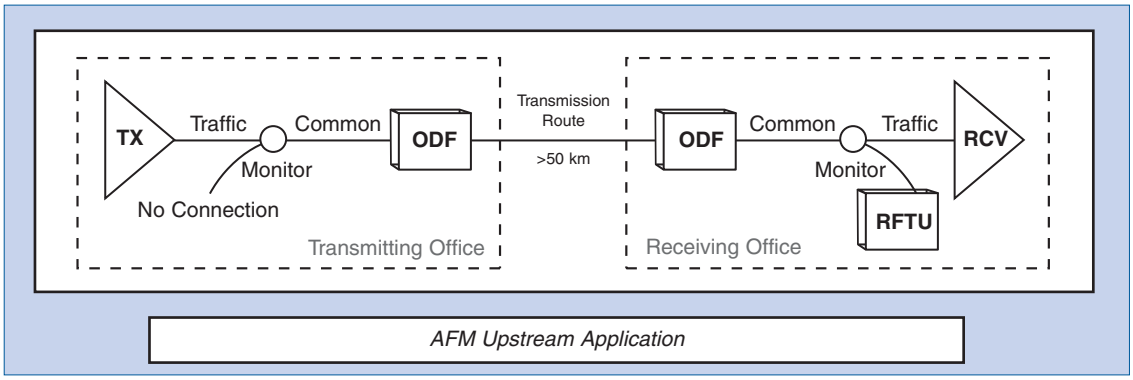
Active Fiber Monitoring (AFM)

- AFM allows you to maximize traffic on your fiber cable routes
- Actively monitor high-priority fibers
- Monitor existing cable routes already carrying traffic
- Eliminate the need to allocate fibers for monitoring





AFM Downstream Application



AFM Upstream Application

Navigator Operations Support System Features

- Operates on standard Windows NT platform
- Easy-to-use intuitive Graphical User Interface
- Fiber landmark database integrated with OTDR testing
- Multiple-user system operation
- Remote logon allows system use from anywhere
- Compatible with TMN ITU-T M.3010
- GUI available in multiple languages
- Online help
- RFTU communications complies with Telcordia™ TL1 specifications
- GIS (Geographical Information System) map-based visual interface
- Field Interface Software allows local operation of RFTU
- Programmable external alarm routing to printer, pager, or alarm dispatcher
- Remotely upload RFTU software
- System “Health Check” determines up-to-date status of system

Anritsu
Discover What's Possible™

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