FIBERTEST MONITORING SYSTEM OF OPTICAL FIBERS

The FiberTest system allows a continuous monitoring of optical lines, locating a fault and displaying the information on the topological map.

Measurements results are stored in the database. It enables data processing for predicting a potential problem in the fiber.

Monitoring of optical fibers allows reducing a repairing period of optical lines, cuts operating costs, increases network security due to the capability to detect an unauthorized access and improves the quality of the lines.

FiberTest advantages

The use of the Fiber Test system has several advantages:
- Reduced time of a fault location;
- Displaying the located fault on the topological map;
- Predicting potential problems in the network;
- Network testing by a single qualified user;
- A substantial cutting down of the equipment.

Two groups of fault location criteria

A. Deviation of any point of the measured trace from a sample one. Decision threshold is variable;
B. Deviation of the attenuation value in a line, splices and abnormality of refractive index.

Functional capabilities of the monitoring system

The FiberTest system provides:
- Monitoring dark or active fibers;
- Scheduled testing;
- Testing in a manual mode;
- Information display on the electronic topological map;
- Remote access to the server;
- Manual control of the OTDR.

The Institute of the Information Technologies enables the adjustment of the system for a definite user. It provides data processing of the installed lines, arranges the staff training and assists in maintaining the transmission lines.

Maintenance Characteristics of Monitoring System

Capability to install into Platform 19"	+
Optical Commutator	built-in
Maximum Number of Optical Ports	48
Voltage of Station Supply, V	24, 48, 60
Certificate of Conformity for OTDR	+