

# Network management and control system

The system is designed for centralized control over TV and radio transmitters and other devices located at remote transmitting stations including unattended stations.

The system consists of a server located in control center and element-managers located at remote stations. The server contains manager-software which provides for monitoring and control over separate units. Element-managers contain agent-software which examines functional units, stores status information and transfers the information to the manager on as needed basis. The main advantage of such structure is that physical connection between agent and manager can be of any kind (GSM-network, satellite or telephone connection, Ethernet). The only standard is SNMP protocol. There can also be any kind of connection between the element-manager and the equipment controlled: RS-232, RS-485, Ethernet, USB, IEEE-1284 (parallel port).

The network can be controlled directly from the control center or from notebook using simple WEB-interface. In emergency the system sends a warning to a mobile telephone using SMS service. The system can even be controlled by means of mobile telephone's WAP browser.

The main advantage of the system as compared to the existing ones is that interface protocols between element-manager and a device controlled are entirely open. That makes possible easy porting of any device to the system.

