Motorola AXSvision is a graphically rich Element Management System (EMS) designed specifically to enable simplified deployment of the most complex fiber-to-the-home (FTTH) networks. AXSvision provides a highly graphical user environment to enable rapid creation and delivery of high value ultra-broadband services provided by the Motorola GPON solution. AXSvision delivers full Fault, Configuration, Administration, Performance, and Security (FCAPS) management functionality and ensures the Motorola GPON solution integrates smoothly with higher-level Operations Support Systems (OSS).

Robust and reliable, AXSvision software is designed for scalability and deployment flexibility. The system supports a broad range of deployment options, offering operators the ability to support rapid scaling of their network while reducing the complexity of system operations and management. AXSvision is a proven and trusted element management solution deployed in the most advanced FTTH networks.

With Motorola’s AXSvision, service providers can:

- Simplify provisioning and management of their GPON networks
- Quickly isolate faults and identify network outages
- Troubleshoot and correct service problems
- Support hundreds of simultaneous GUI client and OSS sessions
- Perform on-demand and scheduled network backups and upgrades
- Easily integrate AXSvision into existing operational environments with standards-based XML and SNMP interfaces

Highlights include:

- Real time inventory and configuration synchronization of all network hardware and software
- ONT auto-discovery and auto-ranging
- Universal XML and SNMP interfaces
- Extensive logging, historical analysis, and performance statistics
- Flow through and bulk service provisioning
- Network outage, subscriber and service correlation
- Universal Pre-provisioning
- Role-based access control, highly secure extensive activity logging, and tracking
- Embedded software management of network elements
- Flexible platform supports deployments of varying size and scale
DATA SHEET
Motorola AXSvision Element Management System

FEATURES
Motorola’s AXSvision provides for 100% remote operations with full Fault, Configuration, Administration, Performance, and Security (FCAPS) management for the Motorola line of optical line terminals (OLT) and suite of single family, multi-dwelling unit and business class optical network terminals (ONT).

FAULT MANAGEMENT, TEST, AND DIAGNOSTICS
- Fast and accurate fault detection and isolation
- Real time alarm and event notifications and historical logs
- Alarm acknowledgement history with user identification and comments
- Configurable alarm severity levels
- Service-affecting outage analysis
- Remote test management
- Configurable threshold alarms

CONFIGURATION MANAGEMENT
- ONT auto-discovery
- Real time Inventory reporting (hardware and software)
- Equipment resource provisioning
- End-point service pre-provisioning
- Profiles for simplified configuration
- QoS and Bandwidth management
- Configuration via highly interactive GUI or via full-feature, XML-based NBI
- Rapid device discovery and database synchronization
- Role based access control
- Basic and advanced find for physical and logical entities

ADMINISTRATION AND SOFTWARE MANAGEMENT
- Scheduled and on-demand back up/restore of network configuration databases
- Managed upgrades (download, activate, accept) of system release software
- ONT software updates automatically on installation
- Logging and reporting via GUI, database and exported files
- Multi-level device folders for organizing views of devices

PERFORMANCE MANAGEMENT
- Statistical data retrieval and graphing
- Real-time absolute and incremental traffic counters in tabular and graph form
- Bulk stats for pm history and trend analysis

OPERATING ENVIRONMENT
- Sun Solaris 10, Sun secure global desktop (optional)
- Oracle 11g
- Sun one directory server
- 100% pure client/server Java application