Product Overview

SyncView™Plus is a comprehensive synchronization network management system that allows telecom network operators to centrally manage Oscilloquartz synchronization solutions. The system offers a user-friendly Graphical User Interface (GUI) with various network and element views and includes alarm and event management of third-party and legacy synchronization equipment.

Flexible Architecture

SyncView™Plus is based on a scalable client/server architecture. Multiple client applications can be connected to a server, enabling remote access to applications including network browser, alarm list and performance management data. The database and the communication server can be separated from the core system for installation in a secure RAID server environment to ensure highest availability of the complete management system. SyncView™Plus can be configured to utilize a dedicated database or can operate based on direct connection to the synchronization network elements.

Comprehensive Service Management

SyncView™Plus provides full fault, configuration, performance and security management of the entire synchronization network infrastructure. Fault management procedures handle the collection and processing of alarm messages, status data, events and other information generated by the network elements. SyncView™Plus supports consolidation and prioritization, filtering of alarm lists and graphical display routines. Configuration management provides control over all available functions across the entire synchronization network. This enables simplified reconfiguration, restoration and additional functions accelerating network operations procedures. Performance data is collected simultaneously on all input references over predefined periods. SyncView™Plus performs data correlation to evaluate short- and long-term trends in addition to identifying potential network problems. MTIE, TDEV and frequency graphs can be generated for comparison with masks defined by international standards organizations. Five predefined authority levels plus one customizable security profile allow operators to control the actions users may perform.

Simplified Deployment

SyncView™Plus client and server stations are provided with preinstalled and preconfigured software for fast and effective deployment. Moreover, if enhanced system reliability is required by the application, a redundant, high-availability platform featuring hot-pluggable modules can be ordered as an option. The optional SyncView™Plus backup package allows network operators to perform full in-service system backup for disaster recovery within less than an hour. Stored data includes the full Windows operating system and its settings, the complete SQL data base and the entire SyncView™Plus application and configuration data. The SyncView™Plus SNMP-Light interface module enables seamless integration into third-party Operation Support Systems (OSS). Network and system level alarms and events are forwarded to a northbound interface, enabling integrated fault management utilizing commercial multi-vendor OSS management software solutions.

Features & Benefits

- Geographical representation of the entire synchronization network

- Intuitive and user-friendly Graphical User Interface

- Block diagram view and exact replication of the equipment physical front

- Real-time and historical performance monitoring

- Client/server architecture for management of large synchronization networks

- Generation of customized reports in different formats

- Seamless integration into third-party Operations Support Systems

Technical Information

Architecture
- Client/server
- Virtual regional managers

OSS Interface

Available North-Bound Interfaces
- SyncView™SNMP-Light

Platform Configuration

SyncView™ Server Platform
- Intel Pentium-based computer with 1280x1024 min. resolution display
- MS Windows Server or Desktop OS
- MS SQL Server
- Optional high availability platform (RAID, dual network interface, hot pluggable modules)
- Optional backup package

SyncView™ Client Platform
- Intel-based computer, TFT monitor
- MS Windows XP or MS Windows 7 operating system

Fault Management
- Alarm and event display filtered by any fields
- Network element alarm status displayed on alarm totem directly in network element icon
- Report printing and export capabilities

Configuration Management
- Full access to network element configuration
- Dynamic logical view of equipment
- Physical view
- Zooming to module and sub-module information
- Remote firmware upgrade for selected modules or equipment
- Dynamic inventory information
- Backup and restore

Performance Management
- MTIE, TDEV, Ym graphs for all inputs
- Up to 24 curves displayed simultaneously
- Easy comparison with pre-defined standard templates

Security
- Five user authority levels: Read-only, operator, engineer, administrator, super-user
- Possibility to add custom levels
- User authority control on network element basis
- Security audits

Administration
- Manual and automatic archiving
- Optional automatic backup of the entire machine for disaster recovery in less than one hour