

# Veryx ATTEST™ ERPS Comprehensive Automated Test Solution DATASHEET

Veryx ATTEST™ Comprehensive Automated Test Solution (CATS) Ethernet Ring Protection Switching (ERPS) is ideal for mobile backhaul network equipment manufacturers and service providers who desire an easy and efficient solution for verification of ERPS implementation in their mobile backhaul equipment. ATTEST enables significant speeding up of testing cycles and reduces the "time-to-market".

Veryx ATTEST CATS ERPS is designed for conformance, functional, interoperability and performance verification of Ethernet ring protection switching functionality in Mobile backhaul networks. Veryx ATTEST CATS ERPS relies on the ATTEST Framework-- a powerful test framework that requires minimal time for set-up and enables efficient use of time and resources.

Veryx has defined about 97 test cases that comprehensively test for ERPS conformance, functionality and performance. These test cases have been grouped into convenient test groups based on the ITU-T specifications for each category of functions.

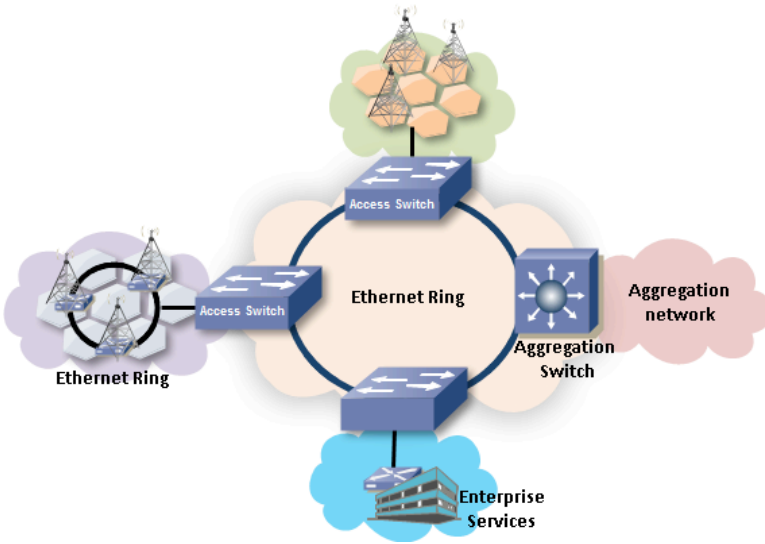


Figure 1. Ethernet Ring Protection Switching in Mobile Backhaul

## SPECIFICATIONS

ITU-T Rec G.8032/Y.1344 - Mar. 2010

## ERPS TESTS

- \* Fail-Over Time of RPL Owner and non RPL owner
- \* Recovery Time
- \* Administrative switch-over
- \* Frame Formats
- \* State machine verification
- \* Protection switching on Single Ring
- \* Protection switching on interconnection models
- \* Interoperability
- \* Stability under Robustness Conditions

## PLATFORM REQUIREMENTS

- \* ATTEST 6.x Framework
- \* XC-1000/XB-2000 system
- \* 5 Ethernet ports

## ORDERING INFORMATION

PRODUCT	PART NUMBER
ERPS Comprehensive Test Suite	CATS-ERPS-B
ERPS Conformance Test Suite	CTS-ERPS-B
ERPS Functional Test Suite	XP-ERPS-B

ATTEST CATS ERPS test cases verify Ethernet ring protection switching support under following scenarios:

- Single Ethernet Ring
- Multi-ring / Ladder Ethernet Rings
- Multiple ERP instances
- With R-APS virtual channel
- Without R-APS virtual channel

Veryx ATTEST CATS ERPS is developed using industry standard Tcl scripts. Well defined APIs and source files provide the flexibility to add, customize or modify the test cases for specific requirements. ATTEST Carrier Ethernet test suites provide one of the widest ranges of tests for verification of Carrier Ethernet devices.

Veryx ATTEST Test solutions are also available for IPv4, IPv6, MEF and Layer-2 bridging.

### About Veryx Technologies

Veryx Technologies (formerly Net-O2 Technologies) provides innovative Verification and Measurement Solutions for the global communications industry. ATTEST solutions verify networking equipment being used for Access, Carrier Ethernet, Data Center, Edge, Enterprise, Industrial and Security. The unique offerings from Veryx enable customers to reduce the "time-required-to-test" and enhance their "time-to-market".

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