Veryx ATTEST™ MEF 14 Field Test Conformance Test Suite DATASHEET

Veryx ATTEST-CTS MEF 14 FT is the industry's first test solution to verify that Carrier Ethernet Services are conformant to Metro Ethernet Forum (MEF) specifications. It provides an easy and efficient test solution for network service providers who are preparing for MEF 14 conformance.

Veryx ATTEST MEF 14 FT automated test solution verifies that the circuits in the network are capable of delivering Ethernet services as per the specified Service Performance and Bandwidth Profile Service Attributes in a Service Level Specification.

ATTEST MEF 14 FT can be used to determine the readiness of a Metro Ethernet Network to deliver various service level specifications (SLSs). It verifies Ethernet services for the Service Performance and Bandwidth profile attributes as specified by MEF 14 Abstract Test suite, benefiting service providers and subscribers. The tests are done for all type services defined by MEF, namely Ethernet Private Line (EPL), Ethernet Virtual Private Line (EVPL) and Ethernet LAN services:

★ Bandwidth profile verification.
★ One-way performance measurements for Jitter and Frame Loss, the test are done using different test traffic data sizes – short frames (80), medium frames (600) and long frames (1500).
★ Round-trip performance measurements for Latency, Jitter, and Frame Loss.

Using ATTEST MEF 14 FT service providers can verify their circuits from central office, by deploying probes at suitable points across geographical locations.

SPECIFICATIONS
★ MEF 14, MEF 10

FEATURES
★ Tests circuits across geographical locations
★ Bandwidth profile verification – EPL, EVPL, ELAN
★ One-way performance – Jitter and Frame Loss
★ Round-trip performance – Latency, Jitter, and Frame Loss
★ Test traffic types – 80bytes, 600bytes, and 1500bytes
★ Test traffic pattern – Fixed and Bursts
★ Simultaneous verification of EPL and EVPL circuits
★ Test duration, configurable from 10mins to 48hours

PLATFORM REQUIREMENTS
★ ST-1000 Server with ATTEST 6.x Framework
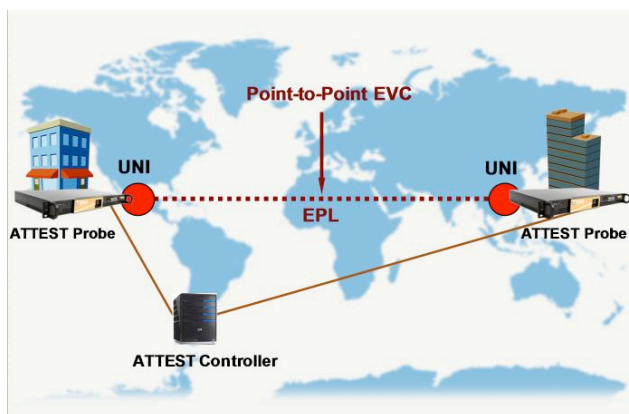★ XC-1000 test probes

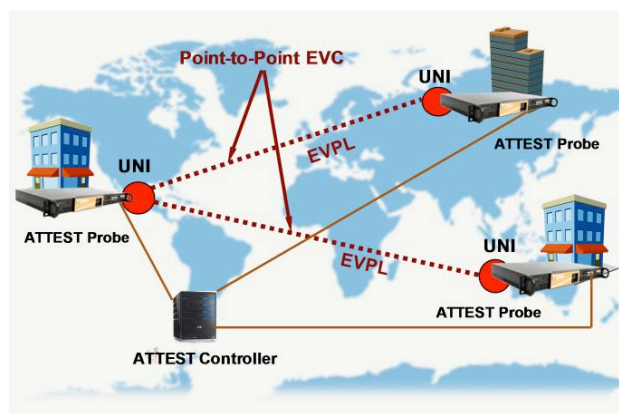**Figure 1: Ethernet Private Line Service verification**

Figure 2: Ethernet Virtual Private Line Service verification

ATTEST MEF 14 FT supports configurable test duration ranging from 10 minutest to 48 hours, reports are provided for every 10 minutes and consolidated test report at the end of the test. It also tests with traffic rate equal to configured Committed Information Rate (CIR), and has support to verify simultaneously maximum of 2 EPLs and 2 EVPLs.

ATTEST MEF 14 FT relies on ATTEST -- a powerful test framework that requires minimal time for setup and enables efficient use of time and resources.

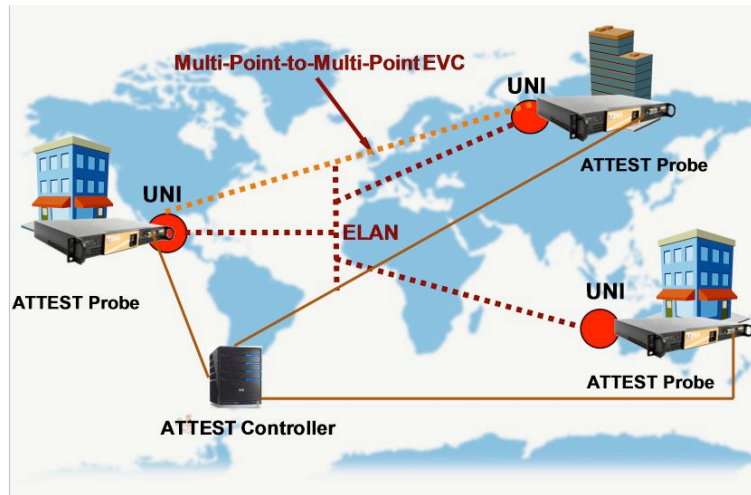# Veryx ATTEST™ MEF 14 Field Test Conformance Test Suite DATASHEET

Figure 3: Ethernet Virtual Private LAN Service verification

Together with ATTEST-CTS MEF 9 FT, Veryx provides a complete set of tests for preparation towards MEF Conformance requirements. Veryx ATTEST-CTS and ATTEST-XP Carrier Ethernet test suites provide comprehensive verification for Carrier Ethernet functionality. Test suites for IPv4, IPv6 and Layer-2 bridging are also available.

ORDERING INFORMATION

PRODUCT	PART NUMBER
SOFTWARE	
ATTEST-CTS MEF14 FIELD TEST – EPL (requires ATTEST Server and 2 remote ATTEST probes)	CTS-MEF14-FT-EPL-B
ATTEST-CTS MEF14 FIELD TEST -EPL, EVPL and ELAN (requires ATTEST Server and 3 remote ATTEST probes)	CTS-MEF14-FT-B
FRAMEWORK	
ATTEST-Framework-Server 6.x with 1 Remote ATTEST-Client - Windows & FC	FW6S-1FW6C-B

PRODUCT	PART NUMBER
HARDWARE	
ST-1000 Server	ST-1000-1SC
XC-1000 System with 6 port 10/100/1000M SFP slots (fixed) OR	XC-1000-M6SFP
XB-2000 12 slot Chassis (With one of the following cards):	XB-2000-C4-12
XB-2000 6 port SFP (optical 100/1000M, 10/100/1000M BASE-T) card	XB-2000-M6SFP
XB-2000 6 port 10-GigE SFP+ 10GBASE-SR/LR optical card	XB-2000-M6SFP+

About Veryx Technologies

Veryx Technologies (formerly Net-O$_2$ 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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