DATASHEET

SAMTEST

Veryx

ACTIVATION TEST & DIAGNOSTICS FOR ETHERNET SERVICE PROVIDERS

Comprehensive Standards Based Service Assurance Platform that enables automated service turn-up, verification and diagnostics

KEY FEATURES

- **Inbuilt verification**
  - Connectivity
  - Bandwidth Profile
  - VLAN Preservation
  - CoS Preservation
  - Service Performance
  - Service OAM Handling
  - Bundling
- **Diagnostics**
  - Sectionalization
  - Optimal CIR
  - Burst behavior analysis
- **Automated**
- **Test Customization**
- **Centralized Control**
- **Flexible Reporting**
- **Customer Reports**

APPLICATIONS

- **Business Services, Mobile backhaul**
- **Access, Metro and Core**
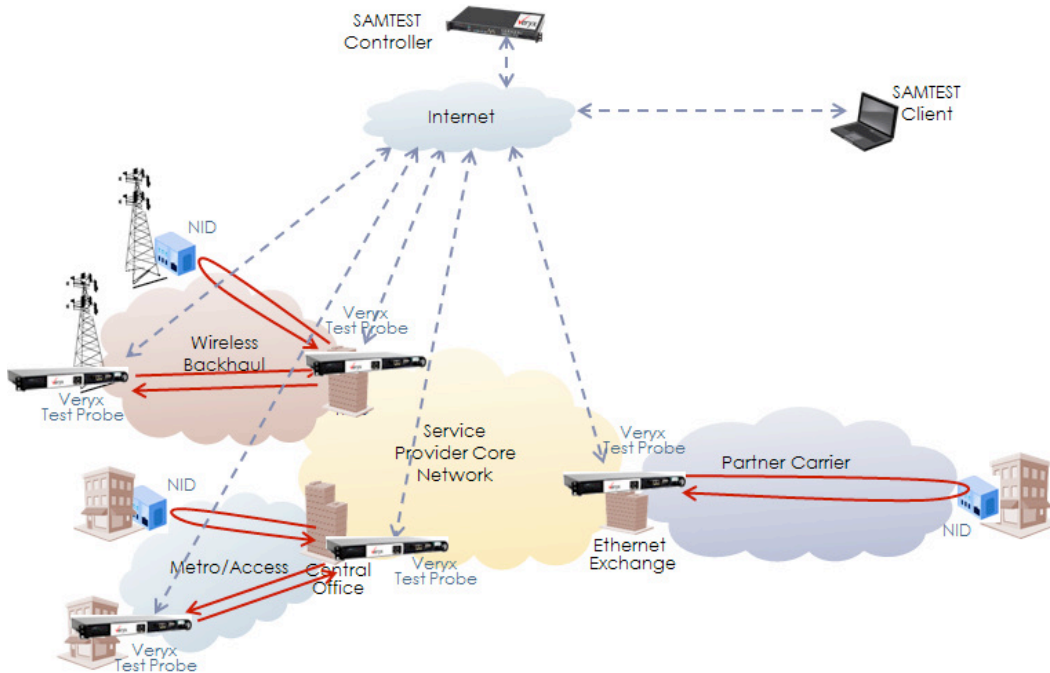- **Wholesale Interconnect**

BENEFITS

- **Roll out new services quickly, confidently and profitably**
- **Reduce service activation OPEX**
- **Gain market share and maximize customer retention**
- **Compete on quality and build customer loyalty**
- **Ensure and verify high-quality service for all subscribers**
- **Isolate partner/interconnect issues**

![Veryx SAMTEST logo]

Veryx SAMTEST provides automated Service Activation and Diagnostics for managing Carrier Ethernet based Network services namely E-line and E-Access.

Veryx SAMTEST provides the efficiency and capability required by service providers to effectively roll-out and manage their Carrier Ethernet network services such as Business Services and Mobile backhaul. It also enables service provider benchmark specific sections of Access, Metro and Core networks and expedites end-to-end trouble shooting.

Veryx SAMTEST is an integral component of the Veryx Service Assurance Portfolio of products. Veryx Service Assurance Portfolio includes Veryx SAMTEST and Veryx Test Probes. Veryx SAMTEST acts as centralized controller software and co-ordinates with Veryx Test Probes to initiate tests, gather statistics and generate reports. Veryx Test Probes generates Ethernet data traffic or Y.1731 Loopback Messages to enable active testing of Service Attributes and SLAs as initiated by the SAMTEST controller. The traffic generated by the Veryx test probes can be either received at the other end by a peer Veryx test probe or looped back by a peer Ethernet Access Device, to perform the required measurements.

Figure 1: Veryx SAMTEST Deployment

SERVICE ACTIVATION: Veryx SAMTEST provides automated service turn-up testing and generates birth certificate reports based on pre-built standards based test scenarios covering MEF CE 2.0 and ITU-T Y.1564.

TROUBLESHOOTING: Veryx SAMTEST also comes with specially designed test scenarios readily available to sectionalize and quickly isolate connectivity, SLA and MEF attributes related issues.

Veryx SAMTEST's user friendly GUI allows easy configuration of service definitions and Veryx test probes to enable verification of various test parameters.

Figure 2: Veryx Test Probe, VT-1006

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SAMTEST reports address the needs of a broad audience from technical to executive levels to provide comprehensive insights into SLA performance at various levels. The customer portal enables per customer based reporting which can directly be shared with the customer. The customer portal can significantly contribute towards increasing customer loyalty.

SAMTEST's Northbound XML interface facilitates easy integration with existing OSS and back office systems.

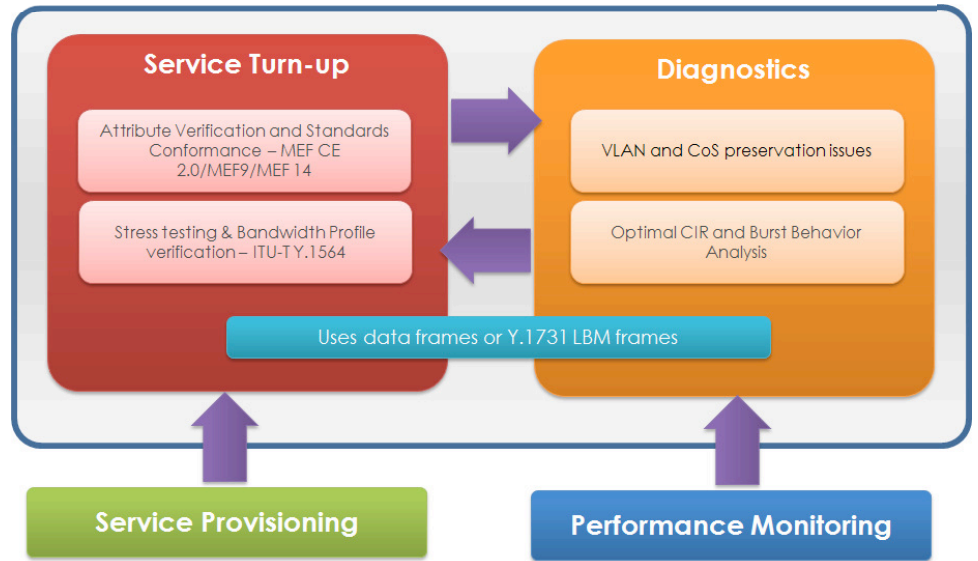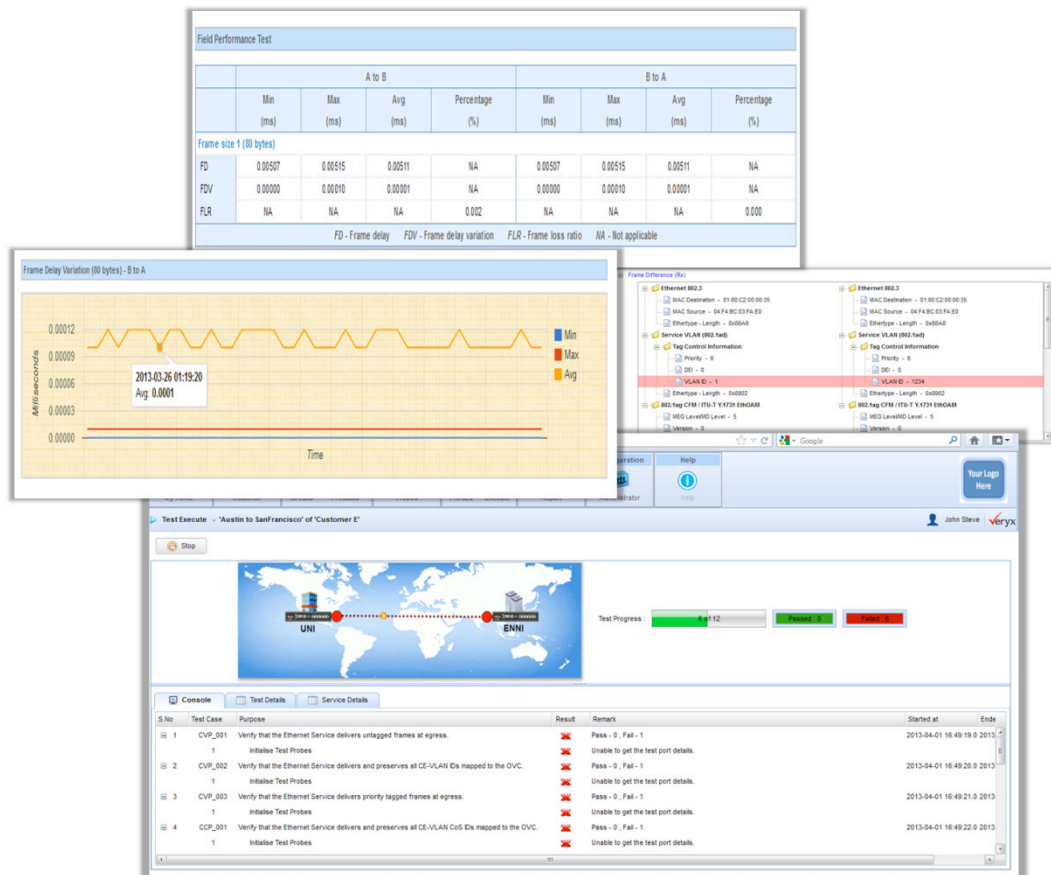Figure 3: Service Activation and Diagnostics using Veryx SAMTEST

Figure 4: SAMTEST GUI Screen Shots

ORDERING INFORMATION

PRODUCT	PART NUMBER
SAMTEST HARDWARE	
ST-1001 single slot chassis for SAMTEST controller	ST-1000-1SC
VT-1002-AT single slot chassis with 2 x 1G ports and SAMTEST support	VT-1000-1SC-AT-N2SFP-SAM
VT-1006-XN single slot chassis with 6 x1G SFP ports and SAMTEST support	VT-1000-1SC-XN-N6SFP-SAM
SAMTEST CONTROLLER SOFTWARE	
SAMTEST Controller - 1 User	SAM-1U-TP-B
SAMTEST Controller - 3 Concurrent Users	SAM-3U-TP-B
SAMTEST Controller - 1 Additional Concurrent User	SAM-1AU-TP-B
SAMTEST Controller - NID support - 1 User	SAM-1U-NID-B
SAMTEST Controller - NID support - 3 Concurrent Users	SAM-3U-NID-B
SAMTEST Controller - NID support -1 Additional Concurrent User	SAM-1AU-NID-B
SAMTEST CE 2.0 and Y.1564 Bundle	SAM-CE2-1564-B
SAMTEST E-line Suites	SAM-CE2-1564-ELINE-B
SAMTEST E-Access Suites	SAM-CE2-1564-EACCESS-B
SAMTEST E-LAN Suites	SAM-CE2-1564-ELAN-B
SAMTEST E-Tree Suites	SAM-CE2-1564-ETREE-B
SAMTEST SOAM Bundle	SAM-SOAM-B
SAMTEST SOAM E-line suites	SAMT-SOAM-ELINE_B
SAMTEST SOAM E-Access Suites	SAM-SOAM-EACCESS-B
SAMTEST SOAM E-LAN Suites	SAM-SOAM-ELAN-B
SAMTEST SOAM E-Tree Suites	SAM-SOAM-ETREE-B

About Veryx Technologies

Veryx Technologies is an innovative enterprise providing solutions that enable companies significantly reduce their testing related investments, while simultaneously enhancing the Product Quality and Efficiency of Testing. Bringing this same innovation to the Ethernet Service Provider market, Veryx offers an increasing number of flexible, cost-effective products that enhance the Service Assurance capability of its customers. Leading equipment vendors rely on the Veryx range of products for testing applications in Access, Carrier Ethernet, Data Center, Edge, Enterprise, Industrial Networking and Security domain.

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