

ATTEST TEC

MTCTE ER– Test Suite for L2, IP, Security & VoIP DATASHEET



Veryx ATTEST TEC Test Suites cover Telecommunication Engineering Center (TEC), Mandatory Testing and Certification of Telecom Equipment (MTCTE) Essential Requirement (ER)– Annexures P1-P12, TEC/SD/DD/ TCP-222/2.28/April 2025. The test suites cover functional and conformance test based on Annexures to the ER and corresponding standards specifications.

Benefits

- Significantly save testing effort and time
- Rich context for root cause analysis (RCA)
- Streamlined test management

Overview

Veryx ATTEST TEC test suites are designed for conformance and functional testing of various features in Router, Switches, SIP terminals, IP-PABX, Soft switches and SBC etc.

Veryx ATTEST TEC test cases execute in an automated or semi-automated manner on Veryx ATTEST - a powerful test framework that requires minimal time for set-up and enables efficient use of time and resources.

The tests typically cover verification of packet formats, encapsulation, decapsulation, address resolution, address translation, root bridge election etc. based on the feature under test.

All in all, ATTEST greatly simplifies the test process and effort, requiring less knowledge of test details.



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Veryx ATTEST TEC test cases in each test suite have been grouped into convenient test groups based on the sub-features or functionality being tested.

Veryx ATTEST TEC test suites comprise of 1250+ test cases.

Use Cases

- Equipment vendors preparing for TEC certification
- TEC accredited test labs

Test Coverage

ATTEST TEC IP Test suites

- IPv4
- IPv6 Router & Host
- Dual IP Stack (IPv6 Tunnels)
- TCP
- BGP & BGP4+
- LDP
- OSPFv2 & OSPFv3
- PPPoE & RADIUS

ATTEST TEC Layer-2 Test suites

- STP
- Bridging

ATTEST TEC Security Test suites

- IPSec
- Policy
- NAT
- UTM & Antivirus
- IDS
- IPS

ATTEST TEC VoIP Test suites

- SIP
- RTP
- RTCP
- SCTP
- DTMF
- SIP-I
- MGCP
- M3UA
- CCS#7

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DATASHEET



Ordering

TEC-BUNDLE-B

ATTEST ATTEST-TEC Full
Test Bundle

TEC-IP-BUNDLE-B

ATTEST-TEC IP Test Bundle

TEC-SEC-BUNDLE-B

ATTEST-TEC Security Test
Bundle

TEC-L2-BUNDLE-B

ATTEST-TEC Layer-2 Test
Bundle

TEC-VOIP-BUNDLE-B

ATTEST –TEC VoIP Test
Bundle

System Requirements

ATTEST Server:

- ATTEST 6.x Framework or higher
- ATTEST Server (customized for TEC test suites)
- Intel® Xeon® E-2314 Processor (2.1 GHz 8 Core)
- 8GB RAM, 512GB SSD
- 2x1GbE management ports
- 4x1GbE Test ports & 1x 1PRI T1/E1 Test port

For more information about ATTEST TEC test suites contact:

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Disclaimer: Specifications are subject to change. Veryx does not make any representation or warranty of any kind, regarding its suitability.

About Veryx Technologies: Veryx Technologies was founded in 2002 and is among the industry leading providers of innovative test and measurement solutions for the global communications industry. ATTEST-based test suites verify networking equipment being used for access, edge, enterprise, industrial and security. ATTEST enables customers to significantly reduce the “time-required-to-test” and enhance their “time-to-market”.

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