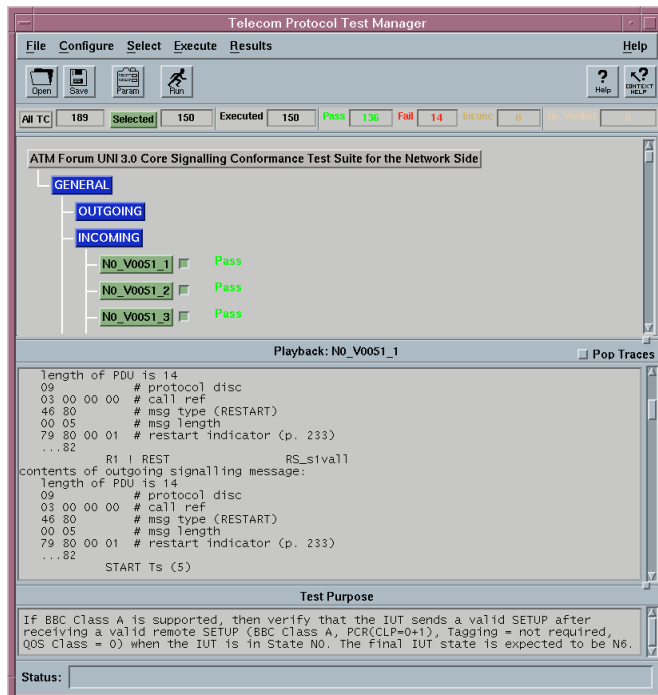


ATM Forum UNI 3.0 Signalling Conformance ETS for the Network Side

Agilent Technologies Broadband Series Test System

E7823A



The Test Manager test execution environment that runs on the Agilent Broadband Series Test Systems

Product Features

- This suite tests the behavior of the network side equipment, and include 3 parts. It contains 189 test cases in 3 test groups and tests normal behavior: 89 Outgoing; 61 Incoming; 39 Clearing
- Fully automated stimulus-and- response test suite
- Flexible test case selection translates into either exhaustive testing or tailoring test case selection to suit the implementation
- Flexible data recording and playback capabilities built-in to the interface's trace window
- Clear verdict assignments for each test case run (such as PASS or FAIL)
- Test repeatability achieved by saving test session setups and results
- Test campaigns easily configured via interactive True/False or value setting questions for most PICS, PIXIT and other types of statements
- Comprehensive multi-level on-line help available

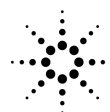
This test suite is designed to test the Signalling layer at the UNI 3.0 for ATM Intermediate Systems (Network Side), such as ATM switches.

It is based on the ATM Forum UNI Specification Version 3.0, derived from the ITU Recommendations Q.2931. Agilent Technologies has developed the ATS, which has been approved by the ATM Forum.

This test suite tests the behavior of the network side equipment. It contains 189 test cases in 3 test

groups and tests normal behavior: Outgoing, Incoming and Clearing.

ATM Network Equipment Manufacturers (NEMs) and network operators can expect to achieve higher confidence with regard to their signalling implementation with this automated conformance test software.



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Key Features

- Fully automated stimulus-response test suite based on a recognized ATM Forum test matrix simplifies the verification process of ATM products at all phases of R&D.
- A complete, automated suite of tests in a single package can help reduce design cycle costs by producing results more quickly and with less operator intervention.
- Flexible test case selection translates into either exhaustive testing or tailoring test case selection to suit the implementation.
- Flexible data recording and playback capabilities built-in to the interface's trace window simplify the review of frames and cells transmitted.
- The operator can either pop traces to a separate window or keep track of overall results by generating variable-detail test campaign summary reports.
- The full exchange of messages produced by the test cases is recorded for later analysis.
- Clear verdict assignments for each test case run (such as PASS or FAIL) can help solve implementation errors whereas diagnostic information in test case traces can help pinpoint errors.
- Test repeatability is achieved by saving test session setups and results. This allows quick regression testing of product enhancements or bug fixes.
- Test campaigns are easily configured via interactive True/False or value setting

questions for most PICS, PIXIT and other types of statements. Furthermore, the test suite follows an internationally recognized protocol testing standard methodology as defined in ISO 9646.

- Comprehensive multi-level on-line help is available to guide the user through many aspects of testing, with the help of hyperlinks, diagrams and definitions.

Applicable Standards

The following protocols are covered by the present test suite:

ATM Forum

ATM Forum UNI Signalling Specification
Version 3.0.

Abstract Test Suite (ATS)

The ATS has been approved by the ATM Forum.

Areas Tested

Test Case Group Name		Test Cases
General	Outgoing	89
	Incoming	61
	Clearing	39
Total		189

Software Package Contents

- ETS (on CD-ROM)
- ETS User's Guide
- ATS Manual
- Release Notice
- Test Manager GUI (on CD-ROM)
- Test Manager User's Guide
- Test Manager Release Notice.
- Hardware key

Configuration & Use With Other BSTS Line Interfaces, Hardware Modules & Test Software

Hardware Requirements

- Agilent E4200/4210 BSTS Base Platform
- 2 E4209A Cell Protocol Processors
- 2 compatible LIFs

Software Requirements

- Base Software v2.05 or higher
- E4214A UNI Signalling Test Software 2.01 or higher

Warranty & Support Options

Agilent Broadband Series Test System software and firmware products are supplied on transportable media such as disk, CD-ROM or integrated circuits. The warranty covers physical defects in the media, and defective media is replaced at no charge during the warranty period. When installed in an Agilent Broadband Series Test System, the software/firmware media has the same warranty period as the product.

This test software has no components requiring calibration.

Product Numbers

- **E7823A** ATMF UNI 3.0 Signal. CTS for Net. Side #101 Upgrade credit from E7833A
- **E7833A/C, E7834A**, ATM Forum UNI 3.1 Signalling Conformance Test Suites for network or terminal equipment
- **E7844A** ATM Forum UNI 4.0 Core Signalling Conformance Test Suite for the Network Side
- **E7845A** ATM Forum UNI 4.0 Core Signalling Conformance Test Suite for the User Side
- **E4214A** UNI Signalling Test Software
- **E4214B** Enhanced UNI Signalling Test Software



Agilent Technologies Broadband Series Test System

The Agilent Technologies BSTS is the industry-standard ATM/ISDN test system for R&D engineering, product development, field trials and QA testing. The latest leading edge, innovative solutions help you lead the fast-packet revolution and reshape tomorrow's networks.

It offers a wide range of applications:

- ATM traffic management and signalling
- Packet over SONET/SDH (POS)
- switch/router interworking and performance
- third generation wireless testing
- complete, automated conformance testing

The BSTS is modular to grow with your testing needs. Because we build all BSTS products without shortcuts according to full specifications, you'll catch problems other test equipment may not detect.

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