



Test Sentinel:

DSL, Gfast, and Wireless Test Automation Platform

Run automated testing in your lab with our Test Sentinel software. Test Sentinel is a powerful testing automation for Gfast, DSL, and Wireless testing. Using the new test creator, you can easily automate any of your in-house test plans, or run many of our already automated standard tests. Save time by leveraging our existing device control, command, and configuration abilities to focus on getting the results you need. Queue multiple tests to maximize time utilization. Generate professional test result reports.

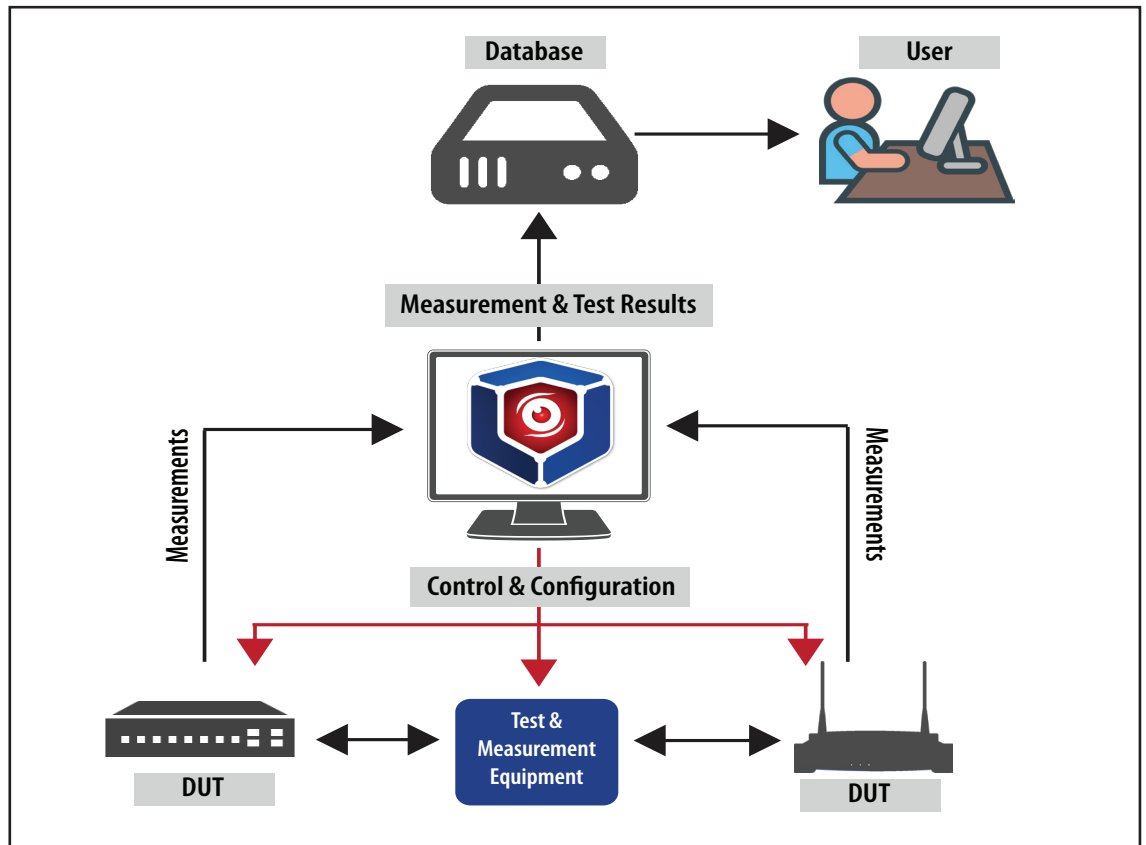
Key Benefits:

- All test results written to local & online database
- Regression testing
- Test results viewer
- Review test history in full detail
- Provides multiple user controls
- Create fully custom test scripts with automatic metric evaluation
- Automate in-house test plans and easily repeat them across different devices

Supported Test Plans:

- Fully Custom Test Scripting
- BBF IR-337: Gfast Certification Issue 3
- BBF TR-067: ADSL Performance
- BBF TR-100: ADSL2/2plus Performance
- BBF TR-114: VDSL2 Performance
- BBF TR-398 Wireless Performance Testing issue 2
- BBF TR-249: G.vector Performance
- Custom Rate vs. Reach Testing (single line/bonded)
- BBF TR-380 Gfast Performance Testing (coming soon)

Architecture:



Contact:

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Supported Equipment:

DSLAM

- ADTRAN hix5625
- ADTRAN Total Access 1248V
- ADTRAN Total Access 3000
- ADTRAN Total Access 5000
- Calix B Series
- Calix C7 Series
- Calix E Series
- Ericsson EDN Series
- Huawei SmartAX UA5000
- Huawei SmartAX MA5603
- Nokia ISAM 7300 Series
- Nokia ASAM 7300 Series
- Tellabs 1000 series

DPU

- ADTRAN 508G
- ADTRAN 516G
- ADTRAN SDX2221-16TP-MELT
- Calix E5-16F
- Huawei MA5811S
- Nokia SX-16F
- Nokia SX_8F
- Nokia DX-16F
- NetComm Wireless NDD-4110

Traffic Generators

- Digital Lightwave EAHD
- Spirent TestCenter (version 4.75)
- XENA Layer 2-3 Test Platform

Noise Generator

- Spirent DLS-5500 Noise Generator
- Telebyte 4901 Noise Generator
- Telebyte 4902 Noise Generator
- Sparnex ANG2240 Noise Generator

Line Simulator

- Spirent DLS-410A ADSL2/2plus North American Loops
- Spirent DLS-414E ADSL2/2plus European Loops
- Spirent DLS08130 VDSL2 North American Loops
- Telebyte 458-LM-A1-30-TR114
- Telebyte 458-LM-A1-30-AWGN2
- Telebyte 458-LM-E2-36
- Telebyte 458-LM-E1-30-TP100
- Telebyte 458-LM-E1-30-04+
- Telebyte 800 series G.fast Line Simulators

Multipair Crosstalk Systems

- Telebyte CFA-24
- Telebyte VxT-48DC+
- Telebyte 4902 Noise Generator

Wireless Testing Gear

- octoScope Pal 245
- octoScope Pal-24
- octoScope Pal-5
- octoScope Turntable
- octoScope QuadAtten

Additional equipment testing is available upon request. Please contact us at www.iol.unh.edu for more information.

Test Packages*:

Feature	Lite	Professional
BBF Gfast Certification Testing (ID-337)	✓	✓
BBF VDSL2 Performance Testing (TR-114)	✓	✓
BBF ADSL & ADSL2/2plus Performance Testing (TR-067/TR-100)		✓
Custom DSL or Gfast Rate vs Reach Testing		✓
BBF TR-398 Wireless Testing		✓
BBF WT-380 Performance Testing (<i>coming soon</i>)		✓
BBF VDSL2 Vectoring Performance (TR-249)		✓
Full Custom Test Scripting		✓

***Support Contracts are available with Custom Testing. Contact us to learn more about these options.**

All packages include basic operational support (installation, configuration, etc.); advanced debugging and failure analysis is provided through the UNH-IOL DSL & Gfast Testing Service memberships.

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