**Test Solutions for:**
- CPE Equipment
- DSL Modems and Home Gateways
- DSLAMS
- Hand-Held Field Test Tools
- DSL Splitters
- Line Conditioners
- MDF and Connectivity Equipment
- Line Simulators and Impairment Generation

**Collaborative Testing Programs**
The UNH-IOL’s DSL Consortium is a collaborative test program that brings together industry leaders in DSL technologies to foster high quality, interoperable DSL systems. All of the services offered through the UNH-IOL DSL Consortium are available for a single, cost-effective, annual membership fee.

Membership in the DSL Consortium entitles your company to perform testing as available on your products and receive detailed test reports to help reduce sales barriers and speed your R&D and Quality Assurance processes, reducing product time to market.

We also offer Pay per Test services that are available outside of the annual membership.

**Test Bed and Equipment**
The DSL Consortium maintains the world’s largest DSL test bed including more than 50 DSLAMS and line cards, over 150 DSL CPE, and the most advanced test gear in the areas of line simulation, network analysis and impairment generation. The test bed is maintained by the UNH-IOL and acts as a cost-efficient, effective extension of your own in-house R&D and QA laboratory.

**Test Suites and Test Reports**
The UNH-IOL DSL Consortium Test Suites include demonstration and analysis of the rate vs. reach capabilities of your products, verification of throughput performance, analysis of DSL handshake, compliance validation, regression testing, proof of functionality for Seamless Rate Adaption, and Broadband Forum TR-067, TR-100, and TR-114 interoperability analysis.

Test reports go beyond test/fail and present a detailed product analysis that identifies interoperability and conformance issues. All reports are certified in digital format to ensure it is genuine and uncompromised.

**Key Benefits**
- Testing for ADSL, ADSL2/2plus, and VDSL2 systems, including all Annexes A and B
- Tested based on industry standards, including Broadband Forum TR-067, TR-100, TR-114, TR-115, and TR-273
- Testing for advanced systems, such as xDSL Bonding and Retransmission
- Rate vs. Reach testing based on Broadband Forum TR-067 and TR-100 ADSL, ADSL2, and ADSL2plus and Broadband Forum TR-114 for VDSL2 that demonstrates your device’s ability to achieve bitrates desired by service providers worldwide
- Functionality and Electrical Characteristics testing for VDSL2 based on Broadband Forum TR-115 (including custom tools for VDSL2 PSD)
- Access to custom tools for DSL handshake and spectrum analysis
- Access to a dynamic environment that can simulate custom loop and impairment scenarios including those required for DSL bonding and Seamless Rate Adaption
- Remote, secure access to the DSL Consortium test bed for real-time development and debugging

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