



Test Solutions for:

- Managed Layer 2 Switches
- Enterprise Ethernet Switches
- Carrier Ethernet Switches
- High End Servers
- Layer 2 Software Stack
- Layer 2 Protocol Emulators
- Home Gateways
- IP Phones
- Blade Servers



A Collaborative Testing Program

The UNH-IOL Bridge Functions Consortium is a collaborative test program that brings together industry leaders in Ethernet Bridging and related technologies to foster quality and interoperability. All of the services offered through the UNH-IOL Bridge Functions Consortium are available for a single, cost effective, annual membership fee. A membership allows you to take advantage of our test suites that verify product conformance, cross-vendor interoperability, and feature functionality. Members receive industry recognized test reports to help reduce sales barriers and speed up their R&D and QA processes, thereby reducing product time to market.

Test Bed and Equipment

The Bridge Functions Consortium maintains a large test bed of switches and other devices that support Layer 2 Ethernet. The test bed, which is essentially an extension of your own in-house R&D and QA laboratory, is assembled and maintained by the UNH-IOL. The UNH-IOL uses this test bed to test your equipment against a wide array of devices to ensure interoperability with equipment from other companies in the industry. The consortium continually updates its test bed to ensure latest product availability from all member companies, thereby giving your device access to products that are new to the

Test Suites and Test Reports

Membership in the Bridge Functions Consortium entitles your company to receive Layer 2 testing and detailed test reports describing device performance. The test suites include demonstration of product stability via an exhaustive program of state machine analysis, validation of conformance against IEEE 802.1 and IETF specifications, and verification of cross-vendor interoperability against a wide range of devices. The Bridge Functions Consortium is actively involved in IEEE 802.1 and IETF and closely follows new technologies to develop corresponding conformance and interoperability test suites for our member companies.

Key Benefits of Membership

- ✓ Testing for devices that support IEEE 802.1 and IETF specifications.
- ✓ Access to testing against a wide range of specifications including: LLDP, LLDP-MED, MACsec, MSTP, RSTP, TRILL, QoS, STP, and VLAN.
- ✓ Access to emerging technology testing including TRILL and SPB (801.1aq).
- ✓ Increased visibility as an industry leader in Ethernet switching products.
- ✓ Detailed test reports to help reduce sales barriers and speed your R&D and QA process, thereby reducing product time to market.
- ✓ Ability to collaborate with our talented engineers who are experts in conformance and interoperability testing.
- ✓ Access to custom test tools for Layer 2 protocol analysis found nowhere else.
- ✓ Remote, secure access to your device in the BFC test bed for real-time development and debugging.
- ✓ Participation in BFC hosted plugfests.