

University of New Hampshire InterOperability Laboratory



**OASIS CTI TC
Test Service Membership
Proposal
May 2016**



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1. Purpose

The OASIS Cyber Threat Intelligence (CTI) Technical Committee (TC) has determined there is a need for a repeatable interoperability and conformance testing program. This proposal is to establish a working relationship with the TC to develop testing specifications and test tool kits where vendor equipment can receive CTI test results in a quick, effective manner. Testing memberships allow a scalable approach as each membership allows test rotations to be scheduled throughout the year. The UNH-IOL would like to receive Letters of Intent for this testing program and commitment to join the Cyber Threat Intelligence yearly membership.

2. Build a Cyber Threat Intelligence Testing Consortium

a. The purpose of the *Consortium* is three-fold:

- To provide the facilities, services, tools, and procedures that will allow a quantitative assessment of an implementation (Software, Cloud based or Hardware) that supports CTI TC specifications and the ability to properly participate in multi-vendor deployments.
- To investigate interoperability issues related to CTI and to provide a forum for their discussion.
- To develop and disseminate technical information relative to proper implementation and use of CTI technology, including but not limited to: aiding members in the interpretation of test specifications, integration issues, and test tools.

b. Benefits of Membership

- **ISO 17025 accredited Testing** - The membership offers your company accredited testing that has passed vigorous quality and procedural standards.
- **Access to custom Test Tools** - The UNH-IOL develops custom testing software. The results generated by this software will be subject to external review with flexibility to debug issues to ensure that you are receiving reliable results.
- **Reduce time to market** - The testing membership is an extension of your lab. Our technical expertise, test tools, and test infrastructure will help you pin point bugs and prove interoperability. Not only will this free up valuable time for your company, it will also improve your user experience.
- **Unsurpassed in house equipment** - Testing is conducted in the laboratory's *28,000 square foot facility*, which houses a multi-million dollar array of test equipment and the latest implementations from our [Member companies](#). In return for the latest implementations and support, members are entitled to

high-caliber interoperability testing against other vendors' products.

- **Plugfests and Hot Stage Events-** This is an opportunity to gather with technological peers and test the interoperability of your implementation with others in order to create more seamless, quality networks worldwide.

3. Project Plan through 2016

Activity	Timeframe	Comments
Obtain Letters of Intent from Companies committed to join the testing consortium.	June 2016	
Develop TAXII Interoperability Test Specification	Fall 2016	Coordinate review process with OASIS
Build Cloud Based Interoperability Test Service		
Develop TAXII Conformance Test Specification and Test Tool		
RSA 2017 Hot Stage		

4. Consortium Membership Detail and Fees

There are two options to gain access to the certification testing and test tool kit. Option 1 includes the test tool kit, support, and year-long certification testing as a package. Alternatively, Option 2 outlines an a la carte model outside of the Consortium Membership.

Option 1: Consortium Membership and INTACT Test Tool Kit	Annual Fee
Includes: <ul style="list-style-type: none"> ○ One IOL INTACT TAXII Test Tool Kit License and Support (Additional licenses may be purchases as per the a la carte fee) ○ CTI TC Certification Testing on-going throughout life of membership <ul style="list-style-type: none"> ○ Includes both On site and Cloud based testing services 	\$20,000 USD

*Membership fees support future test specification development, test tool kit development, technicians and administration.

Option 2: A la Carte Model: The following may be accessed individually on an as needed basis.	Fees
<ul style="list-style-type: none"> ○ IOL INTACT Support-only Membership (up to 3 Licenses) <ul style="list-style-type: none"> ○ Training and support for IOL INTACT® software 	Annual \$10,000 USD
<ul style="list-style-type: none"> ○ IOL INTACT TAXII Test Tool Kit License 	Annual \$5,000 USD
<ul style="list-style-type: none"> ○ TAXII Certification One Time Test at UNH-IOL 	Pay per Test \$5,000 USD
<ul style="list-style-type: none"> ○ On-line Cloud based Certification One Time Test 	Pay per Test \$2,000 USD

5. Proposed Process

Since 1988, the UNH InterOperability Laboratory (UNH-IOL) has had a process in place to provide access to test tools, perform independent, third-party data communications equipment analysis and software testing. Testing is performed within technology specific areas. Companies typically follow the process listed below when engaging with the UNH-IOL through licensing test tools and testing services. Testing is scheduled on a first come first serve basis throughout the life of the membership.

Figure 1: Consortium Model Customer Interaction

