



# OpenFabrics Alliance

## Interoperability Logo Group (OFILG)

### May 2013 Logo Event Report

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Date: June 25, 2013  
 Report Revision: 1.0  
 OFED Version: 3.5  
 OS Version: Scientific Linux 6.3

Enclosed are the results from OFA Logo testing performed on the following devices under test (DUTs):  
*Intel NEO20 RNIC*

The test suite referenced in this report is available at the IOL website. Release 1.47 (2013-Apr-16) was used.

<http://www.iol.unh.edu/ofatestplan>

The following table highlights the Mandatory test results required for the OpenFabrics Interoperability Logo for the DUT per the Test Plan referenced above and the current OpenFabrics Interoperability Logo Program (OFILP).

Test Procedures	IWG Test Status	Result/Notes
<a href="#">12.1: Ethernet Link Initialization</a>	Mandatory	PASS
<a href="#">13.1: TI iSER</a>	Beta	Not Available
<a href="#">13.2: TI NFS over RDMA</a>	Beta	Not Available
<a href="#">13.4: TI uDAPL</a>	Mandatory	PASS
<a href="#">13.5: TI RDMA Basic Interoperability</a>	Mandatory	PASS
<a href="#">13.6: TI RDMA Stress</a>	Mandatory	Not Available
<a href="#">13.7: TI MPI – Open</a>	Mandatory	PASS

Summary of all results follows on the second page of this report.  
 For specific details regarding issues, please see the corresponding test result.

Testing Completed May 21, 2013

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Review Completed June 25, 2013

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## Result Summary

The Following table summarizes all results from the event pertinent to this iWARP device class.

Test Procedures	IWG Test Status	Result/Notes
<a href="#">12.1: Ethernet Link Initialization</a>	Mandatory	PASS
<a href="#">13.1: TI iSER</a>	Beta	Not Available
<a href="#">13.2: TI NFS over RDMA</a>	Beta	Not Available
<a href="#">13.4: TI uDAPL</a>	Mandatory	PASS
<a href="#">13.5: TI RDMA Basic Interoperability</a>	Mandatory	PASS
<a href="#">13.6 TI RDMA Stress</a>	Mandatory	Not Available
<a href="#">13.7: TI MPI – Open</a>	Mandatory	PASS

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# Report Revision History

- v1.0 Initial Release

## Configuration Files

Description	Attachment
Scientific Linux 6.3 Configuration File	
OFED 3.5 Configuration File	

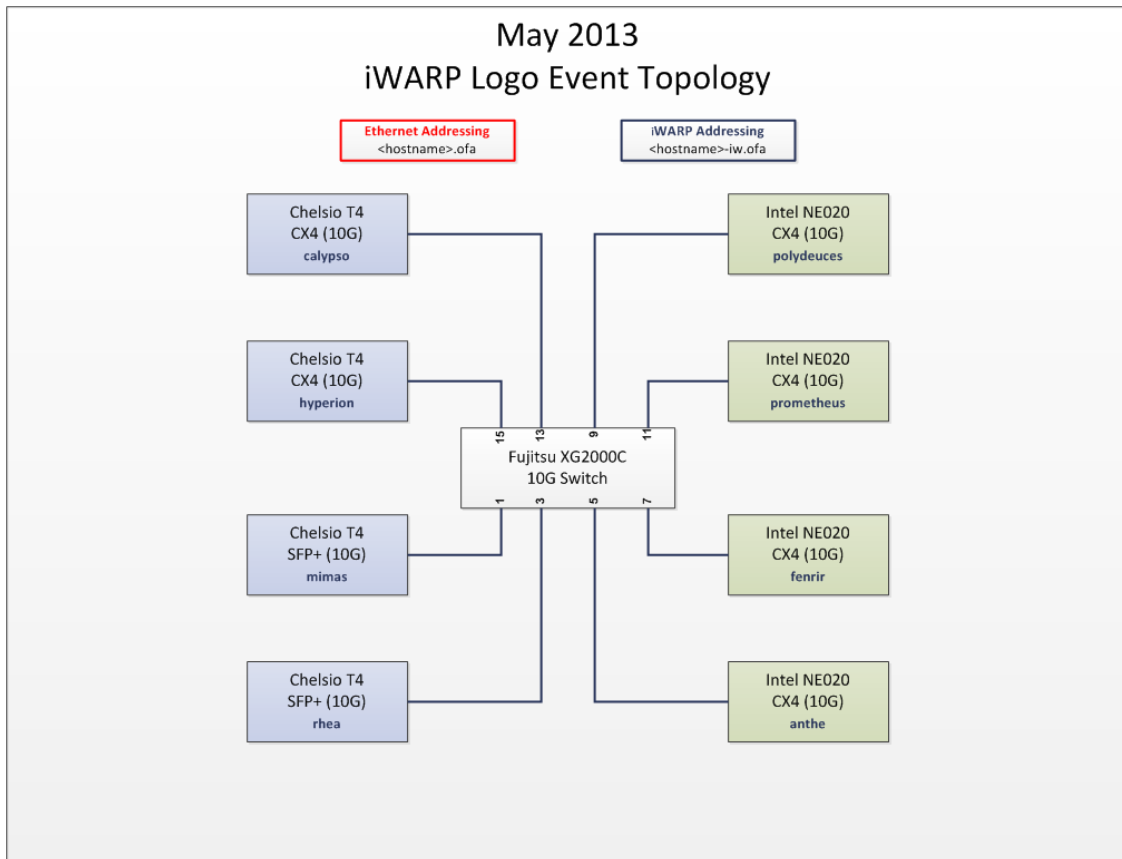
## Result Key

The following table contains possible results and their meanings:

Result:	Description:
<b>PASS</b>	The Device Under Test (DUT) was observed to exhibit conformant behavior.
<b>PASS with Comments</b>	The DUT was observed to exhibit conformant behavior however an additional explanation of the situation is included.
<b>FAIL</b>	The DUT was observed to exhibit non-conformant behavior.
<b>Warning</b>	The DUT was observed to exhibit behavior that is not recommended.
<b>Informative</b>	Results are for informative purposes only and are not judged on a pass or fail basis.
<b>Refer to Comments</b>	From the observations, a valid pass or fail could not be determined. An additional explanation of the situation is included.
<b>Not Applicable</b>	The DUT does not support the technology required to perform this test.
<b>Not Available</b>	Due to testing station limitations or time limitations, the tests could not be performed.
<b>Borderline</b>	The observed values of the specific parameters are valid at one extreme and invalid at the other.
<b>Not Tested</b>	Not tested due to the time constraints of the test period.

# DUT and Test Setup Information

The IW fabric configuration utilized for all testing is shown below.



DUT Details			
Manufacturer:	Intel	Firmware Revision:	3.23
Model:	NE020	Hardware Revision:	N/A
Speed:	10G	Located in Host:	anthe, fenrir, polydeuces, prometheus
Additional Comments / Notes:			

# Mandatory Tests – IW Device Test Results:

## 12.1: Ethernet Link Initialization

<b>Test Result</b>	<b>PASS</b>
<b>Result Discussion:</b>	
All devices were shown to link and pass traffic to all other devices in a back-to-back configuration under nominal (unstressed) conditions.	

Link Partner	Chelsio T4	Intel NE020
RNIC: Chelsio T4	<b>PASS</b>	<b>PASS</b>
RNIC: Intel NE020	<b>PASS</b>	<b>PASS</b>

## 13.1: TI iSER

<b>Test Result</b>	<b>Not Tested</b>
<b>Result Discussion:</b>	
There were no iSER targets available in the cluster, therefore this was not tested.	

## 13.2: TI NFS over RDMA

<b>Test Result</b>	<b>Not Tested</b>
<b>Result Discussion:</b>	
This test is not required for logo certification due to its beta status.	

## 13.4: TI uDAPL

<b>Test Result</b>	<b>PASS</b>
<b>Discussion:</b>	
All devices were shown to communicate correctly using DAPL, by use of the Linux daplttest tool.	

## 13.5: TI RDMA Basic Interoperability

<b>Test Result</b>	<b>PASS</b>
<b>Discussion:</b>	
All devices were shown to correctly exchange core RDMA operations across a simple network path under nominal (unstressed) conditions. Each HCA acted as both a client and a server for all tests.	

## 13.6: TI RDMA Stress

<b>Test Result</b>	<b>Not Tested</b>
<b>Discussion:</b>	
This test requires two or more Ethernet switches in the cluster topology. Due to cluster limitations, this test could not be performed.	

**13.7: TI MPI – Open**

<b>Test Result</b>	<b>PASS</b>
<b>Discussion:</b>	
Complete heterogeneity; 1 process per system as described in the cluster topology.	