OpenFabrics Alliance

Interoperability Working Group (OFIWG)
September 2010 Logo Event Report

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Report Revision: 3.1
OFED Version: 1.5.2
OS Version: CentOS 5.4

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

LSI XBB2

The test suite referenced in this report is available at the IOL website. Release 1.35 (July 27, 2010) was used.

http://www.iol.unh.edu/services/testing/ofa/testsuites/OFA-IWG_Interoperability_Test_Plan-v1.35.pdf

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
10.1: Link Initialization	Mandatory	PASS
10.2: IB Fabric Initialization	Mandatory	PASS
10.5: SM Failover and Handover	Mandatory	PASS
10.6: SRP	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 11/11/2010

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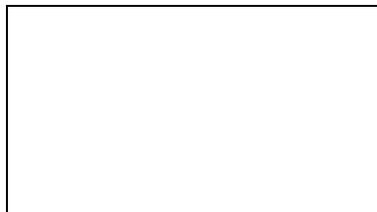
Review Completed 1/10/2011

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Table 1: Result Summary

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

Test Procedures	IWG Test Status	Result/Notes
10.1: Link Initialization	**Mandatory**	**PASS**
10.2: IB Fabric Initialization	**Mandatory**	**PASS**
10.5: SM Failover and Handover	**Mandatory**	**PASS**
10.6: SRP	**Mandatory**	**PASS**

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Report Revision History

- **v1.0 Initial working copy.**
- **v1.1 Added BX4010 to link init table, modified results slightly.**
- **v2.0 Major formatting revision.**
- **v3.0 Modified topology, added OS version information, modified results.**
- **v3.1 Post arbitration update.**

Table 2: Result Key

The following table contains possible results and their meanings:

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

Table 3: DUT and Test Setup Information

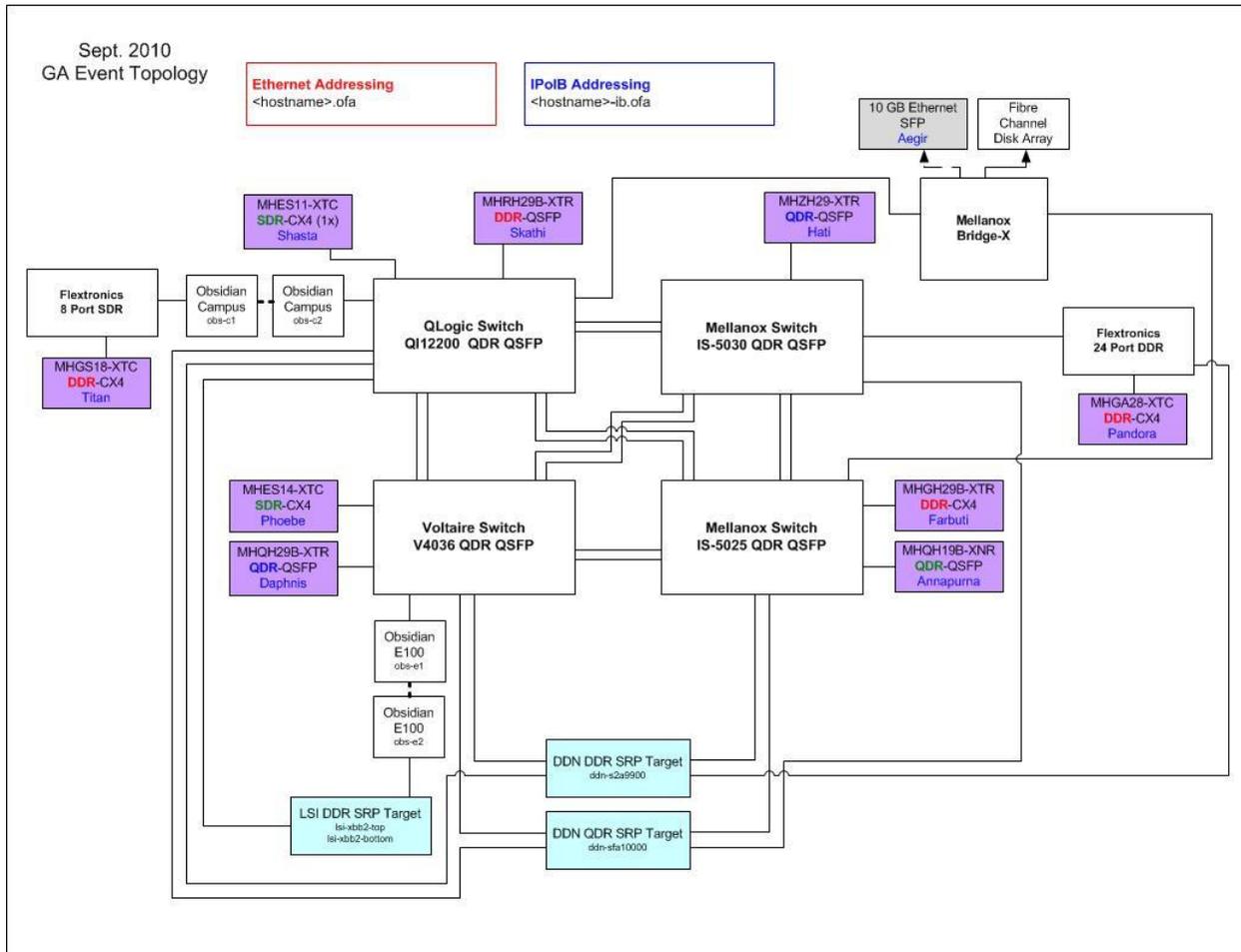**Figure 1: The IB fabric configuration utilized for any tests requiring a multi-switch configuration is shown below.**

DUT #1 Details			
Manufacturer:	LSI	Firmware Revision:	07.62.39.00
Model:	XBB2	Hardware Revision:	2
Speed:	DDR	Located in Host:	NA
Firmware MD5sum:	94e6a21702d8e6e969f420d7a3dd5de3		
Additional Comments / Notes:			

Mandatory Tests – IB Device Test Results:

10.1: Link Initialization

Results	
Part #1:	**PASS**
Discussion:	
No issues seen.	

Link Partner		XBB2
QLogic 12200 (Switch) – QDR		**PASS**
Flextronics X430066 (Switch) – SDR		**PASS**
Flextronics X430044 (Switch) – DDR		**PASS**
Mellanox BX4010 (Gateway) – QDR		**PASS**
Mellanox IS 5030 (Switch) – QDR		**PASS**
Mellanox IS 5025 (Switch) – QDR		**PASS**
Voltaire 4036 (Switch) – QDR		**PASS**
Obsidian Longbow Campus-1 (Range Extender) –SDR		**PASS**
Obsidian Longbow Campus-2 (Range Extender) – SDR		**PASS**
Obsidian Longbow E100-1 (Range Extender) – SDR		**PASS**
Obsidian Longbow E100-2 (Range Extender) – SDR		**PASS**
LSI XBB2 (SRP Target) – DDR		**NA**
DataDirect Networks S2A9900 (SRP Target) – DDR		**NA**
DataDirect Networks SFA10000 (SRP Target) – QDR		**NA**
Host: Farbauti PCI-e Gen 2	HCA: MHGH29B-XTR – DDR	**PASS**
Host: Skathi PCI-e Gen 2	HCA: MHRH29B-XTR – DDR	**PASS**
Host: Titan	HCA: MHGS18-XTC – DDR	**PASS**
Host: Phoebe	HCA: MHES14-XTC – SDR	**PASS**
Host: Pandora	HCA: MHGA28-XTC – DDR	**PASS**
Host: Daphnis PCI-e Gen 2	HCA: MHQH29B-XTR – QDR	**PASS**
Host: Hati PCI-e Gen 2	HCA: MHZH29-XTR – QDR	**PASS**
Host: Shasta PCI-e Gen 2	HCA: MHES11-XTC – SDR	**PASS**
Host: Annapurna PCI-e Gen 2	HCA: MHQH19B-XNR – QDR	**PASS**

10.2: Fabric Initialization

Results	OpenSM	Voltaire 4036	QLogic 12200	Mellanox IS 5030
Part #1:	**PASS**	**PASS**	**PASS**	**PASS**
Discussion:				
No issues seen.				

10.5: SM Failover and Handover

Results	OpenSM	Voltaire 4036	QLogic 12200	Mellanox IS 5030
Part #1:	**PASS**	**PASS**	**PASS**	**PASS**
Discussion:				
No issues seen.				

10.6: SRP

Results	OpenSM	Voltaire 4036	QLogic 12200	Mellanox IS 5030
Part #1:	PASS	PASS	PASS	PASS
Discussion:				
No issues seen.				