

## Review of the Interop Test Plan updates submitted by Edward from UNH-IOL

### OSU MPI

Edward suggested removing this section but Rupert reminded the group that this is still an active Open Source MPI and it should remain in the document but moved to a deprecated status. This way vendors and end users can use the test suite if they are still interested in OSU MVAICH - [kept 9/18/2012](#)

### iSER

Edward suggested removing this section but Rupert reminded the group that this is still an active ULP and it should remain in the document. We don't currently have any members using iSER but if we did this would be a mandatory test - [kept 9/18/2012](#)

**iWARP NFS RDMA should remain Beta until it has been validated in October 2012.**

### Other Issues

- 1) Add RDMA over Converged Ethernet to glossary
- 2) Inter versus Intra – homogenous versus heterogeneous

### New sections

**8.X – OS Installation – added 9/18/2012**

**8.X.1 – OS Policy – added 9/18/2012**

Edward added these sections so we had a framework for more details which will follow regarding the setup for Ubuntu, RHEL, SUSE etc.

**Section 9.3 – added 9/18/2012**

As a requirement for the OFILG Logo, a vendor's DUT must pass all mandatory testing using an agreed upon primary OS and OpenSM. Additional beta testing is performed using secondary, tertiary, and quaternary Operating Systems. This beta testing has no bearing on whether the OFILG Logo is granted to a device, it is purely informative. OpenSM and SL are mandatory

**10.6 SRP using OFED – added 9/18/2012**

- 1) Marty from DDN has provided some updated information regarding SRP. For example the command `srp_sg_tablesize=255` has been deprecated.
- 2) There will be Part A and Part B for the next event but Part B needs to be implemented. Marty will work with Edward to get this running and then Rupert will add to the test plan.

### Interop test Plan review – from 8/28/2012

- 1) Ethernet Fabric tests are not implemented. They were written with Spanning Tree in mind and would need to be updated and generalized. For example we could generalize to say if using some Ethernet fabric it could be tested
  - a) SPB
  - b) Trill
- 2) Bob feels we should remove the following – [all removed 9/18/2012](#)
  - a) Ethernet Fabric Initialize and others but leave Init. Remove re-convergence and Failover.
  - b) Bob feel not appropriate to do spanning tree
  - c) Harry does not care about these tests – at least Spanning Tree
- 3) UNH-IOL currently only has one switch available for iWARP testing and that is the Fujitsu which has both SFP+ and MicroGiGaN
- 4) Remove iWARP Connectivity because this testy suite relies on of Java scripts which depend on an old utility in OFED which is no longer supported and does not work with OFED 3.5 - [removed 9/18/2012](#)

- 5) iSER
  - a) Bob says he has a company has an iSER target so leave it in the test plan. The test may need updating - [kept 9/18/2012](#)
- 6) NFS-RDMA
  - a) Do we need to do Connecathon? Can we pare this test down so it is not so time consuming?
  - b) We need to valid base functionality.
- 7) SDP – remove this test suite because it is no longer supported in the Distro or OFED because of IP and Licensing issues - [removed 9/18/2012](#)
- 8) uDAPL
  - a) 3.5 does not have any known problems but 1.5.4.1 did. We think it was daplttest.
- 9) RDMA Stress Test
  - a) This requires a switch fabric and until we get the DCB community involved we cannot test it. Make sense for IB but not for iWARP right now.
  - b) Will be important for RoCE when DCB handles BW
- 10) Remove Intel MPI – this is because it is not Open Source and it has not been updated in some time - [removed 9/18/2012](#)
- 11) Open MPI
  - a) We need to settle on which version to use. We need some vendor feedback. Harry says that they use 1.6 but Rupert points out that the current version is 1.6.1 and he would rather see us use the latest GA version. Harry will review with his engineers.
  - b) Open MPI 1.6.1 – [Harry Indicated that Intel will support Open MPI 1.6.1 - 9/18/2012](#)
- 12) MVAICH – this is deprecated and no longer mandatory.
  - a) Goal is to go through all mandatory and as much as Beta as possible.
  - b) We will keep in the document - [kept 9/18/2012](#)

### Event Requirements

- 1) WinOFED
- 2) We will not test for October because Microsoft is not ready with server 2012. UNH-IOL will not be preparing environment for October.
- 3) Marty
  - a) Cannot keep WinOFED running for more than 24 hours. No changes since WinOFED 2.0 for SRP.

### Inter versus Intra OS testing

- 1) Bob would prefer testing a larger group of homogeneous testing within a given Operating system. For example we would have an entire cluster with RHEL, then SLES and then CentOS.
- 2) This is good for vendors to test all their hardware in each OS.
- 3) Passed by acclamation. No longer test between Operating systems but test all devices within each OS.
- 4) Cannot guarantee full coverage especially for October 2012

### Summary for Test Plan

- 1) Test to eliminate in Intra OS Testing
  - a) Link Init
  - b) OpenSM
  - c) NFSoRDMA
  - d) RDMA Stress
- 2) Extra OS Testing – this become the first tests that are run.

- a) Fabric Init
- b) Open MPI
- c) IPoIB