**OFI WG Weekly telecom – 11/25/2014**

**Agenda:**

* Compliance and Interoperability discussion

**Future Agenda Topics:**

* Detailed inventory of the current state of the generic sockets provider
* End-to-end flow control – someone volunteered to try to capture a table of possible options
* Credit discussion – we discussed this two weeks running – conclusion?
* Release process – this discussion produced several ARs:
	+ Investigate using github to publish man pages
	+ Look into applying mechanisms used by OpenMPI to our release process
* Interfaces and structures for reporting topology data

**OFIWG Download Site:** [www.openfabrics.org/downloads/OFIWG](http://www.openfabrics.org/downloads/OFIWG)

See slides titled “Compliance\_interop\_2014-1125.pptx”

- A distinction is made between, and crude definitions given for, ‘compliance’ vs ‘interoperability’

 - compliance refers to compliance to a given specification

 - interoperability generally refers to whether two implementations residing at the same layer in the OSI reference model stack, can interoperate.

- Historically, the OFA has engaged in interoperability testing, but has left compliance testing to the relevant standards body (e.g. IBTA for compliance to the IB spec…).

- Interoperability testing has historically involved verifying interoperability of the layers below the OFA-supported layers (e.g. Ethernet or IB physical or link layers) simply because you cannot verify interoperability among OFA-provided implementations without also ensuring that the OFA implementations can communicate over the chosen wire.

- The OFI WG is being asked for its opinions on what sort of compliance or interoperability testing makes sense for the OFA to provide with respect to OFI.

- Clearly, neither interoperability testing nor compliance testing at the user application layer makes any sense.

- Likewise, interoperability testing of the middleware (e.g. MPI) running above the libfabric API doesn’t make sense either.

- But it may make sense to verify ‘conformance’ to the libfabrics API of both the middleware layer and the provider layer.

- But conformance to what? It is suggested that it makes sense to evaluate the conformance of the semantic behavior of the middleware layer and the provider layer to the API as described in the man pages.

Agenda for next week:

Continue the Compliance and Interoperability discussion.

**Next regular telecom**

Next meeting: Tuesday, 12/02/14

9am-10am Pacific daylight time