

IEEE 802.3WG Closing Plenary Report

IEEE 802.3
Ethernet Bandwidth Assessment
Ad Hoc

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“Ethernet Bandwidth Assessment” Program Submission

- **Background and Purpose**

During the IEEE P802.3ba 40Gb/s and 100Gb/s Ethernet project, it was observed that core networking and computing applications were growing at different rates, driving the need to develop the two new wireline Ethernet speeds. The focus of this IC activity will be to perform an appraisal of future “Ethernet Wireline Bandwidth Needs” of applications within the Ethernet eco-system.

Related Standard – IEEE Std 802.3-2008 and IEEE Std 802.3ba-2010

Related Sponsor – IEEE 802

- **Charter and Scope**

The scope of this IC will focus on gathering information that will enable an evaluation of the bandwidth needs for Ethernet wireline applications, including, but not limited to, core networking and computing. This evaluation will then enable the generation of a white paper(s) and related presentations on the future bandwidth needs of Ethernet wireline applications, which can then be used for future reference by an appropriate related standards activity.

- **Proposed Deliverables**

This evaluation will then enable the generation of a white paper(s) and related presentations on the future bandwidth needs of Ethernet wireline applications, which can then be used for future reference by an appropriate related standards activity.

Accomplishments for the Week

- Hear Presentations:
 - “Bandwidth needs in HPC taking into account link redundancy,” Petar Pepeljugoski, IBM
 - “Bandwidth Needs in Core and Aggregation nodes in the Optical Transport Network,” Huang Xi, Huawei

Future Presentations

- Teleconference -
 - Nov 17, Noon Eastern, The Transformers (Comcast, Facebook, Google)
 - Nov 22, 11am Eastern, Euro-IX
 - Dec 13, 11am Eastern, ESnet

Schedule

- Obtain Data Now thru Nov '11, Plenary
- Create D1.0 Prior to Jan '12 Interim
- Review Ad hoc comments @ Jan '12 Interim
- Update D1.0 & review Feb '12 phone conference
- Submit D2.0 to WG Prior to Mar '12 Plenary
- WG Approval ? @ Mar '12 Plenary
- WG Comment Review?
- Submit D2.x for WG approval @ Jul '12 Plenary

Thank You!