

IEEE 802.3

Opening Plenary Report

IEEE 802.3
400 Gb/s Ethernet Study Group

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Beijing, China
IEEE 802 Jan 2014 Plenary

Request for Formation of Study Group (as per Mar ' 13 Plenary Motion)

- Move the IEEE 802.3 Working Group authorizes the formation of a study group for “400 Gb/s Ethernet.”

Reflector and Web

- To subscribe to the 400G reflector, send an email to:

ListServ@ieee.org

with the following in the body of the message (do not include “<>”):

*subscribe stds-802-3-400G <yourfirstname> <yourlastname>
end*

- Send 400G reflector messages to:

STDS-802-3-400G@listserv.ieee.org

- Task Force web page URL:

<http://www.ieee802.org/3/400GSG/index.html>

- Ad hoc area URL:

<http://www.ieee802.org/3/400GSG/public/adhoc/index.shtml>

Activities Since Nov 2013 Plenary

- Ad Hoc Calls (thanks to IEEE!)
 - Economic Feasibility
 - Technical Feasibility
 - Applications
- IEEE 802.3 January Interim, Indian Wells, CA, USA (thanks to Xilinx!)

Ad Hoc Calls

- Technical Feasibility (chaired by Steve Trowbridge)
 - Jan 7, 21 attendees
 - Reviewed proposed responses to “Technical Feasibility”
- Economic Feasibility (chaired by Andy Moorwood)
 - Jan 7, 31 attendees
 - Moorwood reviewed presentations and thoughts about gaps and possible responses were discussed
 - Potential contributors were discussed, Moorwood to reach-out offline
 - Moorwood will bring presentation on proposed responses forward
- Applications (chaired by John D’Ambrosia)
 - Jan 8, 26 attendees
 - D’Ambrosia / Law presentation discussing 100GbE/400GbE broad market potential
 - Review of submissions worksheet previously sent out to reflector
 - Reviewed proposed responses to “broad market potential”
 - Discussion and offline call between Anslow / D’Ambrosia for updated proposed responses

Jan Interim Summary

- 109 Attendees
- 21 Presentations
- Summary
 - Objective for copper twin-axial cable not adopted
 - Motion: I support the objective “Define a 400Gb/s PHY for operation over links consistent with copper twin-axial cables with a total channel insertion loss of $\leq 35\text{dB}$ at 12.9GHz”
 - Results All (y/n/a) 23 / 24/ 36)
 - Project Documentation approved
 - PAR: Move to adopt the responses to the PAR as shown in dambrosia_400_04_0114.pdf. Results All (y/n/a) : 67/0/3
 - CSD: Move to adopt the CSD (“Managed Objects” & “5 Criteria”) as shown in dambrosia_400_03b_0114.pdf. Results All (y/n/a): 56/0/0
 - Informal Communication to ISO/IEC JTC1/SC 25 WG3 Approved. Approved by voice vote without opposition.

Goals for the meeting week

- Address comments on the PAR and / or CSD
- Seek 802.3WG approval of PAR, CSD, and objectives

Thank You!