Agenda and General Information

IEEE 802.3
400 Gb/s Ethernet Study Group
Economic Feasibility Ad hoc

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Economic Feasibility Teleconference Jan 7th 2014

Agenda

- Thanks to IEEE for hosting call / webex!

- Reflector and Web
- Ground Rules
- IEEE Guidelines for IEEE-SA Meetings
  - https://development.standards.ieee.org/myproject/Public/mytools/mob/preparslides.pdf
- List of SG Adopted Objectives
- Presentations and discussion
  - moorwood_efa_01_140107

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

Ground Rules

- Based upon IEEE 802.3 Rules
  - Foundation based upon Robert's Rules of Order
  - Anyone in the room may speak
  - Anyone in the room may vote
- **RESPECT**… give it, get it
- NO product pitches
- NO corporate pitches
- NO prices!!!
  - This includes costs, ASPs, etc. no matter what the currency
- NO restrictive notices

Guidelines for IEEE-SA Meetings

- **All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.**

- **Don't discuss the interpretation, validity, or essentiality of patents/patent claims.**

- **Don't discuss specific license rates, terms, or conditions.**

  - Relative costs, including licensing costs of essential patent claims, of different technical approaches may be discussed in standards development meetings.

    - Technical considerations remain primary focus

- **Don't discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.**

- **Don't discuss the status or substance of ongoing or threatened litigation.**

- **Don't be silent if inappropriate topics are discussed… do formally object.**

If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at patcom@ieee.org or visit http://standards.ieee.org/about/sasb/patcom/index.html

See *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and "Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association's Antitrust and Competition Policy" for more details.

This slide set is available at https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.ppt

◈ **IEEE**

Adopted Objectives

- Support a MAC data rate of 400 Gb/s *

- Support a BER of better than or equal to 10-13 at the MAC/PLS service interface (or the frame loss ratio equivalent) ***

- Support full-duplex operation only *

- Preserve the Ethernet frame format utilizing the Ethernet MAC *

- Preserve minimum and maximum FrameSize of current Ethernet standard *

- Provide appropriate support for OTN *

- Specify optional Energy Efficient Ethernet (EEE) capability for 400Gb/s PHYs *

- Support optional 400Gb/s Attachment Unit Interfaces for chip-to-chip and chip-to-module applications **

- Provide physical layer specifications which support link distances of:
    - At least 100 m over MMF ***
    - At least 500 m over SMF ***
    - At least 2 km over SMF ***
    - At least 10 km over SMF ***

* Adopted by SG July 2013. Not approved by IEEE 802.3 WG
** Adopted by SG Sept 2013. Not approved by IEEE 802.3 WG
* **Adopted by SG Nov 2013. Not approved by IEEE 802.3 WG**

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Thank You!