

Closing Report

IEEE P802.3bq 40GBASE-T Task Force

David Chalupsky, Intel

San Antonio, Texas

November 6, 2014

Activities This Week

- **1.5-day meeting**
- **33 attendees**
- **Heard 4 presentations related to comments, 4 presentations unrelated to comments**
- **Resolved 129 comments on D1.0**
 - **All responses are published to project website**
 - <http://www.ieee802.org/3/bq/comments/index.html>
- **One technical motion**

TF Motion #3

- **Move to:**

Adopt proposed responses to remaining editorial comments as indicated in the proposed resolutions

Generate Draft 1.1 from Draft 1.0 and closed comments published for review by November 20, 2014

Initiate a second Task Force review

M: Paul Vanderlaan

S: Shadi AbuGhazahleh

Technical \geq 75%

Y: 24 N: 0 A: 1

MOTION PASSES

Liaisons and Communications

- Draft 2.0E of ANSI/TIA-568-C.2-1 sent to 802.3bq October 30, 2014.
 - posted in 802.3bq private area
- Liaison from ISO/IEC JTC 1/SC 25 to IEEE 802.3 on ffs in class I/class II channel specification above 1 600 MHz
- Liaison from ISO/IEC JTC 1/SC 25 to IEEE 802.3 on ISO/IEC 11801-9901
- Resolution (text from minutes)
 - “The Chair asked whether a response to these liaisons was necessary, and received the concurrence of the liaison officers and those in the Task Force that a **formal response was not necessary at this time.**”

Future Plans

- Create D1.1 by November 20, 2014
- Initiate 2nd task force review
- Rx CMNR ad hoc continues to meet
- Next meeting: January interim in Atlanta, week of January 12

Thank You!

Background information

P802.3bq Organization

- David Chalupsky, Chair
- George Zimmerman, Secretary
- George Zimmerman, Chief Editor
 - With Chris DiMinico, Valerie Maguire, Curtis Donahue, Jim Graba
- Rx CMNR ad hoc
 - Pete Cibula, Chair
- PHY Proposal ad hoc (hibernating)
 - George Zimmerman, Chair

Reflector and Web

- To subscribe to the 802.3bq reflector, send an email to:

ListServ@ieee.org

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

subscribe stds-802-3-NGBASET <yourfirstname> <yourlastname>
end

- Send 802.3bq reflector messages to:

[STDS-802-3-NGBASET @listserv.ieee.org](mailto:STDS-802-3-NGBASET@listserv.ieee.org)

- Task Force web page URL:

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

Task Force Private Area

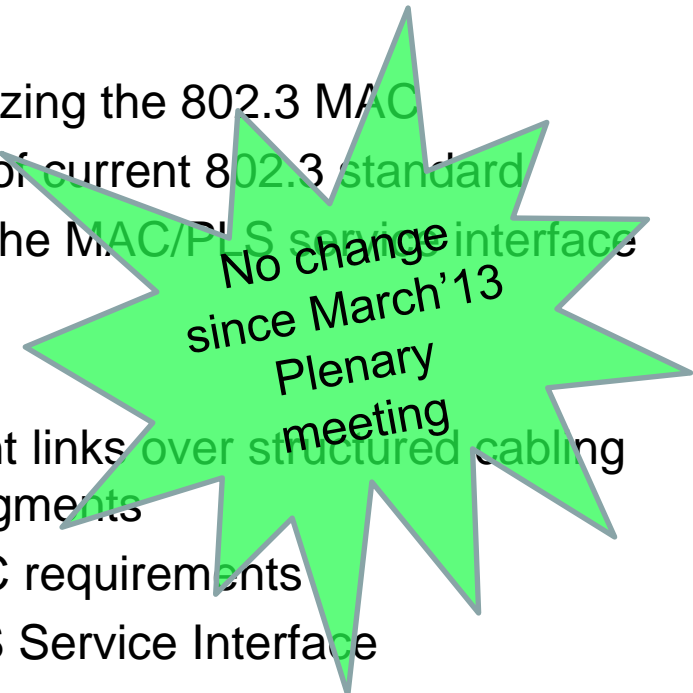
- URL: <http://www.ieee802.org/3/bq/private/index.html>
- Username: 802.3bq
 - Password:
- Write it down...
- Note - The draft, and any other content, is posted for your review only, and neither the content nor access information should be copied or redistributed to others in violation of document copyrights.

IEEE P802.3bq 40GBASE-T Task Force Approved Project Documents

- PAR
 - <http://www.ieee802.org/3/bq/P802.3bq.pdf>
- 5 Criteria
 - <http://www.ieee802.org/3/bq/5Criteria.pdf>
- Objectives
 - <http://www.ieee802.org/3/bq/Objectives.pdf>

IEEE P802.3bq 40GBASE-T Objectives

- Support full duplex operation only
- Preserve the 802.3 / Ethernet frame format utilizing the 802.3 MAC
- Preserve minimum and maximum Frame Size of current 802.3 standard
- Support a BER better than or equal to 10^{-12} at the MAC/PLS service interface
- Support Auto-Negotiation (Clause 28)
- Support Energy Efficient Ethernet (Clause 78)
- Support local area networks using point-to-point links over structured cabling topologies, including directly connected link segments
- Do not preclude meeting FCC and CISPR EMC requirements
- Support a data rate of 40 Gb/s at the MAC/PLS Service Interface
- Define a link segment based upon copper media specified by ISO/IEC JTC1/SC25/WG3 and TIA TR42.7 meeting the following characteristics:
 - 4-pair, balanced twisted-pair copper cabling
 - up to 2 connectors
 - up to at least 30 m
- Define a single 40 Gb/s PHY supporting operation on the link segment



P802.3bq Adopted Project Timeline

