

Closing Report

IEEE P802.3bq 40GBASE-T Task Force

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P802.3bq Organization

- David Chalupsky, Chair
- Bill Woodruff, Vice Chair
- George Zimmerman, Secretary
- Channel Modeling ad hoc
 - Pete Cibula and Brad Booth, co-Chairs
- PHY Proposal ad hoc
 - George Zimmerman, Chair

Reflector and Web

- Currently ~~197~~ 198 subscribers
- 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

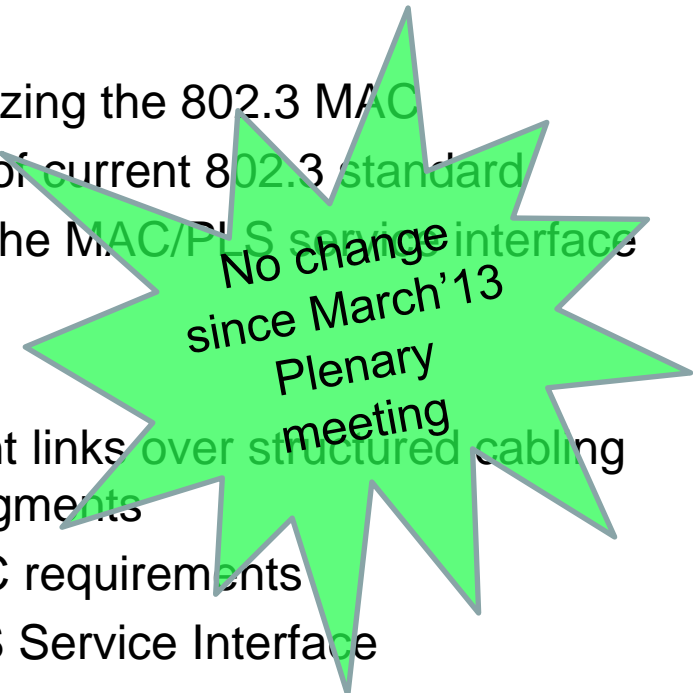
- URL: <http://www.ieee802.org/3/bq/private/index.html>
- Username: xxxxxxxx
 - Password: xxxxxxxx
- Write it down...
- Note – A draft, and any other content, is posted for your review only, and neither the content nor access information should be copied or redistributed to others in violation of document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



Activities this Week

- One-day meeting
 - 31 attendees signed the book
- Heard 12 presentations
 - Channel modeling ad hoc report out
 - Channel model updates
 - Channel data scaling techniques
 - ...and more
- Consensus that we have sufficient channel model data to begin work on PHY proposal
- Formed PHY Proposal ad hoc

PHY Proposal ad hoc

- George Zimmerman, Chair
- Identify elements necessary to form a baseline proposal
 - Signaling BW (bounds)
 - Modulation, EQ, coding, etc.
- Build consensus towards a baseline proposal.

Liaisons and Communications

- Incoming ISO/IEC JTC1/SC 25 WG3: 40GBASE-T objectives liaison letter assigned to 802.3bq
- http://www.ieee802.org/3/minutes/nov13/incoming/25N2203_LiaisonRep_to_EEE_40gGobjectives.pdf
- Informing 802.3 that a revised draft of Technical Report ISO/IEC/TR 11801-99-1 will be distributed before the end of 2013
- No response necessary

Thank You!