

Closing Report

IEEE P802.3bq 40GBASE-T Task Force

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San Diego, California
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P802.3bq Organization

- David Chalupsky, Chair
- George Zimmerman, Secretary
- Channel Modeling ad hoc
 - Pete Cibula, Chair
- PHY Proposal ad hoc
 - George Zimmerman, Chair
- George Zimmerman, Chief Editor
 - With Chris DiMinico, Valerie Maguire, Curtis Donahue

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

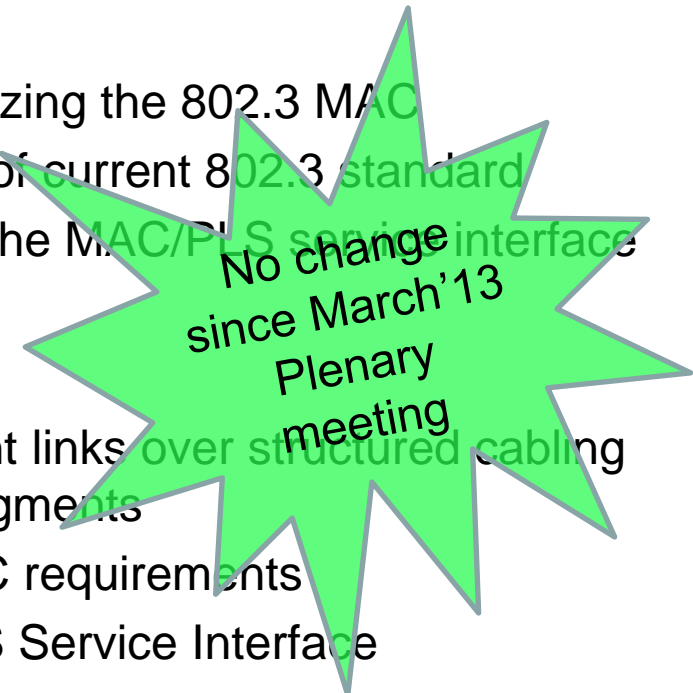
- URL: <http://www.ieee802.org/3/bq/private/index.html>
- Username: 802.3bq
 - Password: *****
- Write it down...
- Note - The draft, and any other content, is posted for your review only, and neither the content nor access information should be copied or redistributed to others in violation of document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



Activities This Week

- **1.5-day meeting**
- **29 attendees**
- **Heard 13 presentations**
- **Passed 18 technical motions**
 - 15 related to the draft, all passed without objection
- **Filled out much of our draft of clause 98**
 - Adopted subclauses individually, with modifications proposed through contributions
- **Instructed the Editor to create D0.9**
- **Approved a liaison response to TIA TR42**
- **Adopted a project schedule**

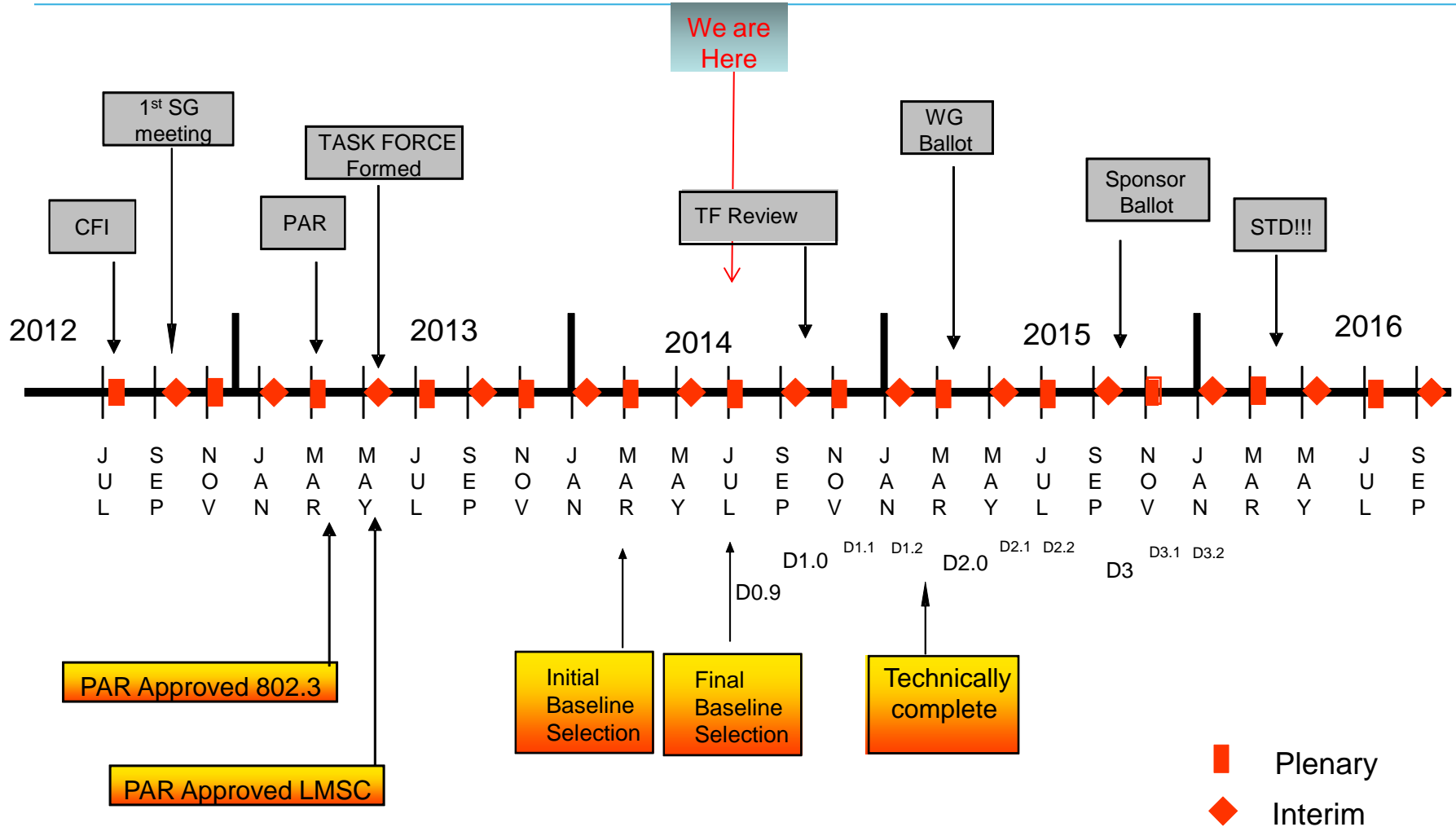
Task Force Motion #20

- Move that the P802.3bq Chair submit the following motion to the IEEE 802.3 Working Group:
 - Move that IEEE 802.3 approve the text in IEEE_802d3_to_TIATR42_0714.pdf with editorial license granted to the Chair (or his appointed agent) as a liaison communication from the IEEE 802.3 Working Group to TIA TR42.
- M: Wayne Larsen
- S: George Zimmerman
- Y: 13 N: 0 A: 0
- Technical (75%)
- MOTION PASSES

Working Group Motion

- Move that IEEE 802.3 approve the text in IEEE_802d3_to_TR42_0714_draft.pdf with editorial license granted to the Chair (or his appointed agent) as a liaison communication from the IEEE 802.3 Working Group to TIA TR42.
- M: David Chalupsky
- S: G. Zimmerman
- By voice
- Technical ($\geq 75\%$)
- MOTION PASSES BVVWO

P802.3bq Adopted Project Timeline



Future Plans

- Create D0.9 by August 21, 2014
- Meet Wednesday & Thursday at September interim
- Create D1.0 following September interim
- PHY Proposal ad hoc continues to meet

Thank You!