

# Closing Report

IEEE P802.3bq 40GBASE-T Task Force

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Waikoloa, HI  
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# IEEE P802.3bq 40GBASE-T Task Force Project Information

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- Task Force Organization
  - David Chalupsky, Chair
  - Secretary: Jon Lewis
  - George Zimmerman, Chief Editor
    - Editorial team: Chris DiMinico, Valerie Maguire, Curtis Donahue, Jim Graba
  - Pete Cibula, Chair, Rx CMNR ad hoc
- Task force web and reflector information
  - Reflector information: <http://www.ieee802.org/3/NGBASET/reflector.html>  
Home page: <http://ieee802.org/3/bq/index.html>
    - 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> (note: 40GBASE-T-only version)
    - Adopted timeline: [http://www.ieee802.org/3/bq/adopted\\_timeline\\_802.3bq.pdf](http://www.ieee802.org/3/bq/adopted_timeline_802.3bq.pdf)
  - Private area: <http://ieee802.org/3/bq/private/index.html>
    - 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

# Activities This Week

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- **2.5-day joint meeting with 25GBASE-T SG, interleaved with P802.3bz**
- **~47 attendees**
  
- **Resolved 119 comments on D2.1**
- **Authorized generation of D2.2**

# Liaisons and Communications

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- [TR42-2015-10-111 Outgoing Liaison to IEEE 802.3bq re TIA-568-C.2-1 Draft....pdf](#)
  - Updated draft Category 8 specification
- [IEC SC48B response to request for status of two SC48B projects \(IEC 60603-7-81 Ed. 1 and IEC 60603-7-82 Ed.1\)](#)
  - Connector spec status
- No responses necessary

# P802.3bq TF Motion #5

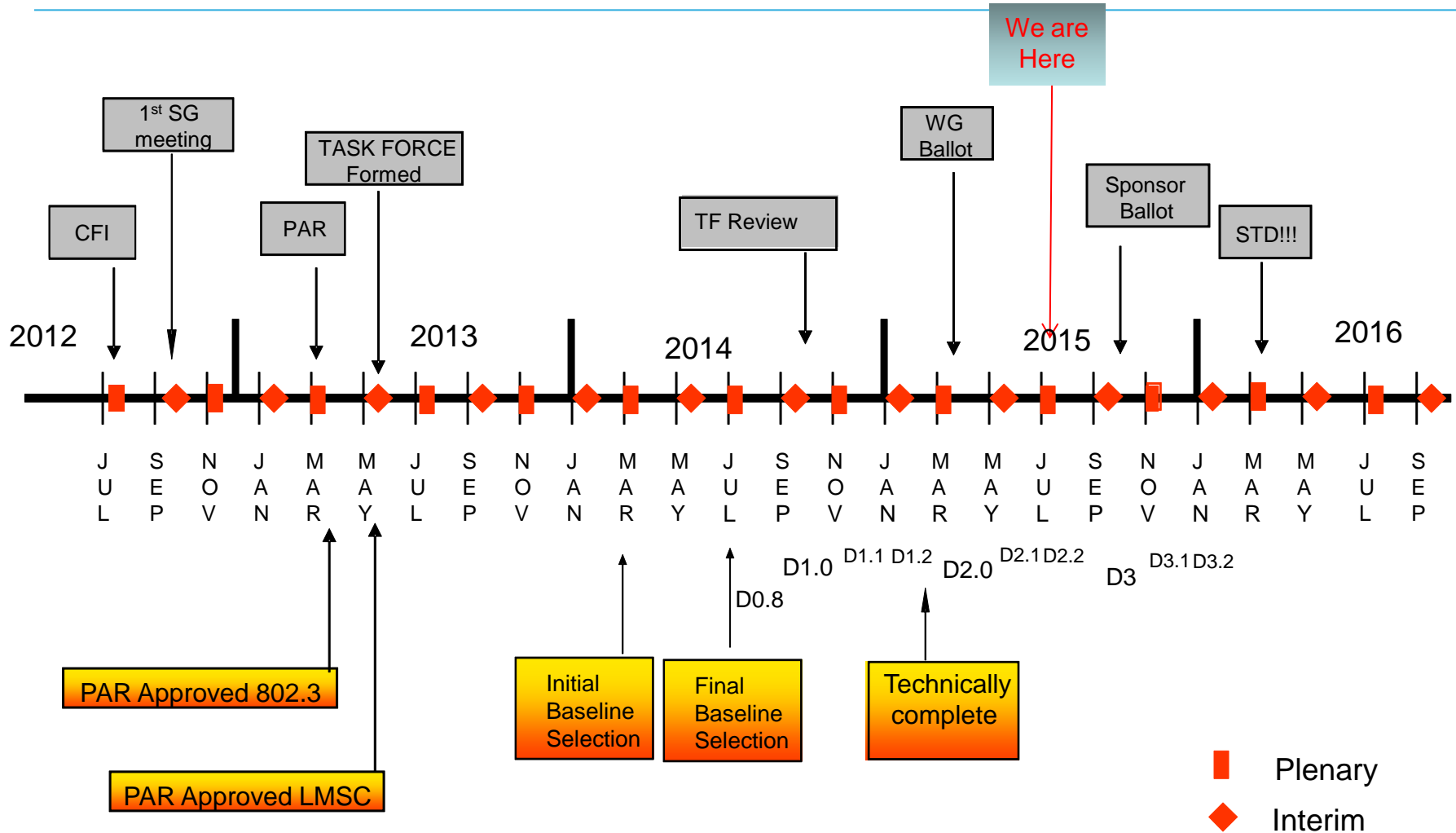
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- **Instruct the editor to create Draft 2.2 for WG recirculation from Draft D2.1 and closed comments.**
- **M: Jon Lewis                      S: George Zimmerman**
- **(Technical  $\geq 75\%$ )**
- **Y: 41        N: 0    A: 1**
- **MOTION PASSES at 10:34 AM**

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# Thank You!

# IEEE P802.3bq Adopted Project Timeline



# 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 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

