



IEEE P802.3 Working Group Opening Report

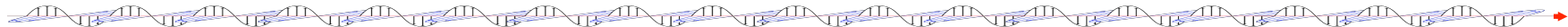
IEEE 802.3bm

40 Gb/s and 100 Gb/s Fiber Optic Task Force

Dan Dove

Dove Networking Solutions

Dallas, Texas USA – 11 November 2013





IEEE P802.3bm Task Force Organization

Dan Dove – Chair

Kapil Shrikhande – Vice Chair

Pete Anslow – Chief Editor, SMF Editor

Jonathan King – MMF Editor

Ryan Latchman – CAUI-4 Editor

Peter Stassar – 40GBASE-ER4 Editor





Reflector & Web

- To subscribe to the 40 Gb/s and 100 Gb/s Fiber Optic reflector send an email to: Listserve.ieee.org with the following in the body of the message (do not include“<>”):
subscribe stds-802-3-100GNGOPTX <yourfirstname> <yourlastname
- Send 40 Gb/s and 100 Gb/s Fiber Optic reflector messages to:
stds-802-3-100GNGOPTX-request@listserv.ieee.org
- Task Force web page URL:
 - <http://www.ieee802.org/3/bm/index.html>





Project Documentation

- PAR (as amended in Jan 2013)
 - http://www.ieee802.org/3/bm/P802.3bm_May2013.pdf
- 5 Criteria *
 - http://www.ieee802.org/3/bm/P8023bm_5Criteria_1112.pdf
- Objectives *
 - http://www.ieee802.org/3/bm/P8023bm_Objectives_1112.pdf
- Timeline
 - http://www.ieee802.org/3/bm/timeline_0912.pdf
- Changes to project documentation have been pre-submitted for consideration at this meeting
 - http://www.ieee802.org/3/bm/proposed_5C_0913_optx.pdf
 - http://www.ieee802.org/3/bm/proposed_objectives_0913_optx.pdf



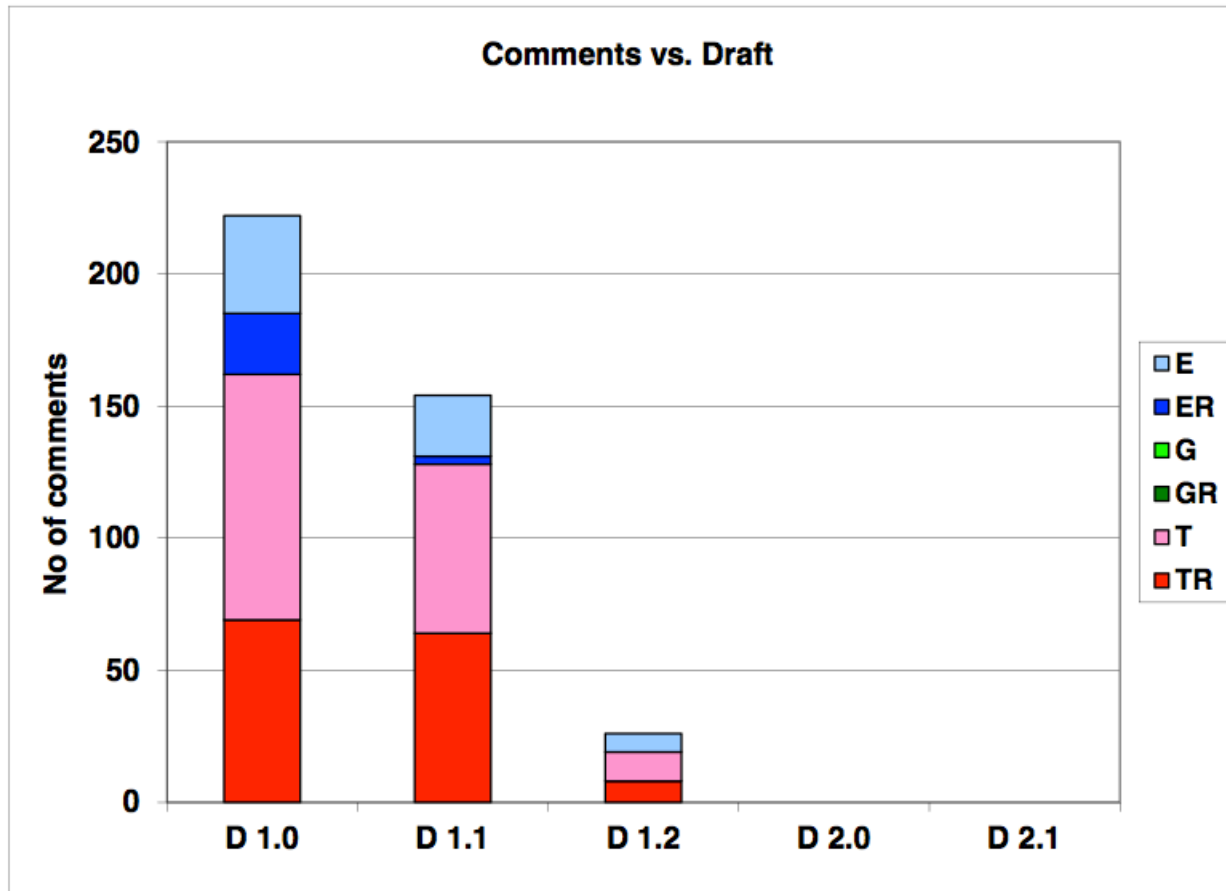


IEEE P802.3bm Task Force Objectives

- ✧ Support full-duplex operation only
 - ✧ Preserve the IEEE 802.3 / Ethernet frame format utilizing the IEEE 802.3 MAC
 - ✧ Preserve minimum and maximum FrameSize of current IEEE 802.3 standard
 - ✧ Support a BER better than or equal to 10⁻¹² at the MAC/PLS service interface
 - ✧ Provide appropriate support for OTN
 - ✧ Define re-timed 4-lane 100G PMA to PMA electrical interfaces for chip to chip and chip to module applications
 - ✧ Define a 40 Gb/s PHY for operation over at least 40 km of SMF
 - ✧ Define a 100 Gb/s PHY for operation up to at least 500 m of SMF *
 - ✧ Define a 100 Gb/s PHY for operation up to at least 100 m of MMF
 - ✧ Define a 100 Gb/s PHY for operation up to at least 20 m of MMF *
 - Specify optional Energy Efficient Ethernet (EEE) for 40 Gb/s and 100 Gb/s operation over fiber optic cables.
- ✧ (approved by 802.3 July 2011)
- (approved by 802.3 November 2012)
- Changes to project documentation have been pre-submitted for consideration at this meeting
- http://www.ieee802.org/3/bm/proposed_5C_0913_optx.pdf
 - http://www.ieee802.org/3/bm/proposed_objectives_0913_optx.pdf

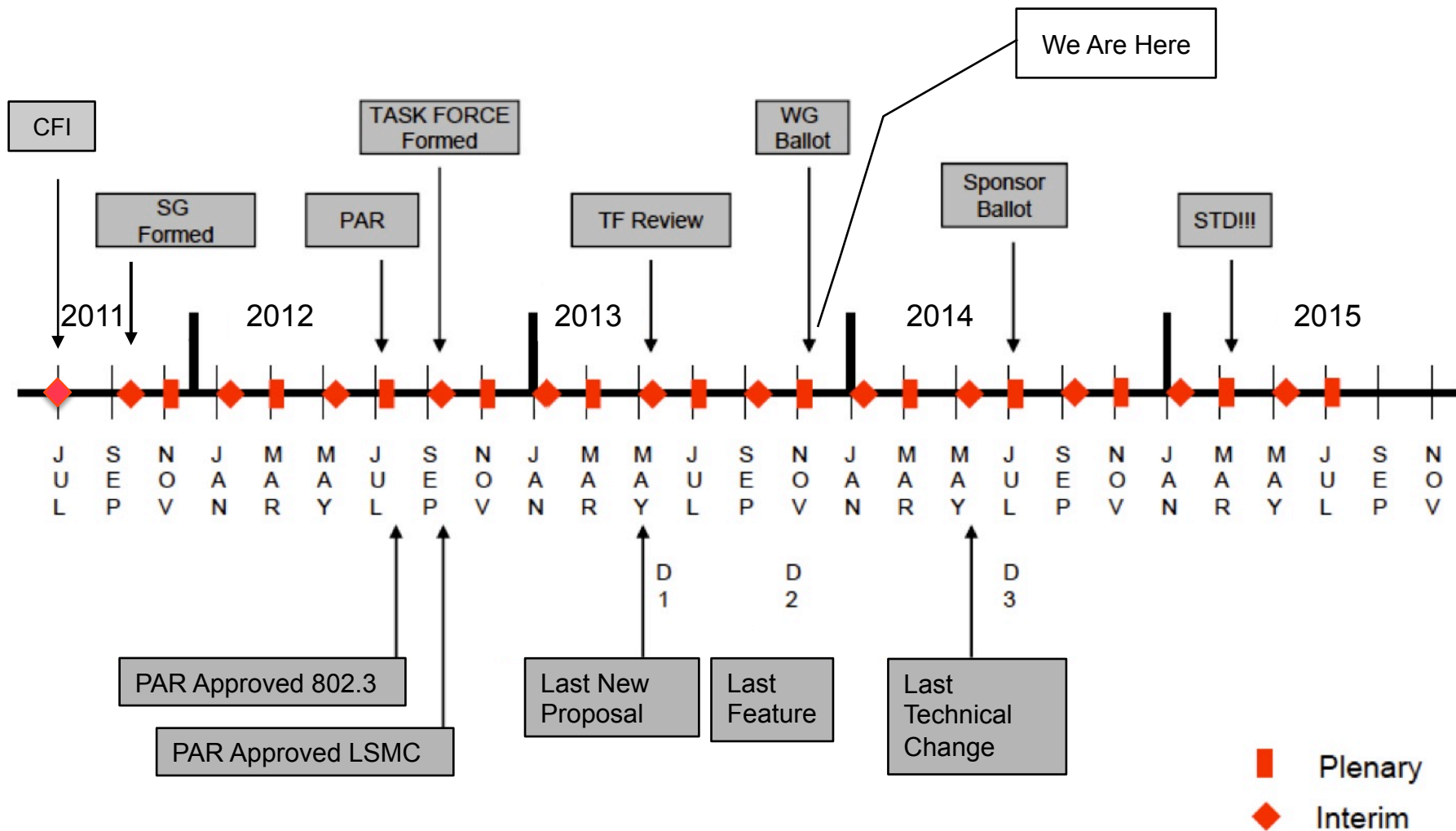


IEEE P802.3bm Draft Status



We plan to produce a draft D1.9 with minor changes at this meeting and review with 802.3 on Thursday with a goal to advance this project to Working Group Ballot.

P802.3bm Adopted Timeline





Task Force Private Area

- URL: <http://www.ieee802.org/3/b/private/index.html>
 - Username: xxxxx
 - Password: xxxxx
- Write it down...
- Note - The documents within are posted for your review only, and neither the drafts nor access information should be copied or redistributed to others in violation of document copyrights.





Activities Since July 2013 Plenary

- September 2013, York, UK
 - 15 Presentations
 - 1 Straw Poll performed to identify attendance for future meetings
 - 2 Motions held
 - Authorized generation of D1.2 & Prepared for pre-submittal for WG Ballot at this meeting
 - Adopted changes to objectives and 5C documents to bring them into alignment with project activities
- Ad hoc meetings (Since July 2013)
 - Consensus ad hoc formed and developed consensus proposal for September meeting to address objectives and 5C changes
 - <http://www.ieee802.org/3/bm/public/consensadhoc/meetings/index.html>
 - MMF held 13 ad hoc calls and considered 18 presentations
 - <http://www.ieee802.org/3/bm/public/mmfadhoc/meetings/index.html>
 - CAUI-4 held 9 ad hoc calls and considered 14 presentations
 - <http://www.ieee802.org/3/bm/public/cuadhoc/meetings/index.html>
- A liaison letter from OIF came which included the OIF-28G-VSR and OIF-28G-MR drafts
 - http://www.ieee802.org/3/bm/public/nov13/OIF_liaison_IEEE_T11_T10_08Nov13.pdf
 - Task Force Review of D1.2 complete and pre-submitted for WG Ballot.





Goals for this week's meeting

- Review Task Force Operation & Schedule
- Review ad hoc Activities & Reports
- Respond to OIF liaison letter
 - http://www.ieee802.org/3/bm/public/nov13/OIF_liaison_IEEE_T11_T10_08Nov13.pdf
 - Comment Resolution for TF review of D1.2 and prepare for WG Ballot motion on Thursday.
- Consider Motions & Discussions
 - Address any edits made to prepare for WG Ballot
 - Address any comments on our Objectives and 5C changes.
- Wrap Up & Future Meeting Discussion





Meeting Info

We are meeting the following days/times/location

8:30am – 5:00pm Tuesday, Landmark A, Lobby Level (may run to 6p)

9:00am – 12:00pm Wednesday, Landmark A, Lobby Level (tentative)

See the website for presentations and minutes

<http://www.ieee802.org/3/bm/public/index.html> (Public Index)

<http://www.ieee802.org/3/bm/public/nov13/index.html> (November Index)





Thank you

