

IEEE P802.3 Working Group Opening Report

IEEE 802.3bm
40 Gb/s and 100 Gb/s Fiber Optic Task Force

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IEEE P802.3bm Task Force Organization

Dan Dove – Chair

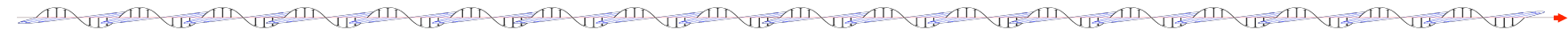
Kapil Shrikhande – Vice Chair

Pete Anslow – Chief Editor

Jonathan King – MMF Editor

Ryan Latchman – CAUI-4 Editor

Peter Stassar – SMF 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_1113.pdf
 - Objectives
 - http://www.ieee802.org/3/bm/P8023bm_Objectives_1113.pdf
- Timeline
 - http://www.ieee802.org/3/bm/timeline_0114.pdf





IEEE P802.3bm Task Force Objectives

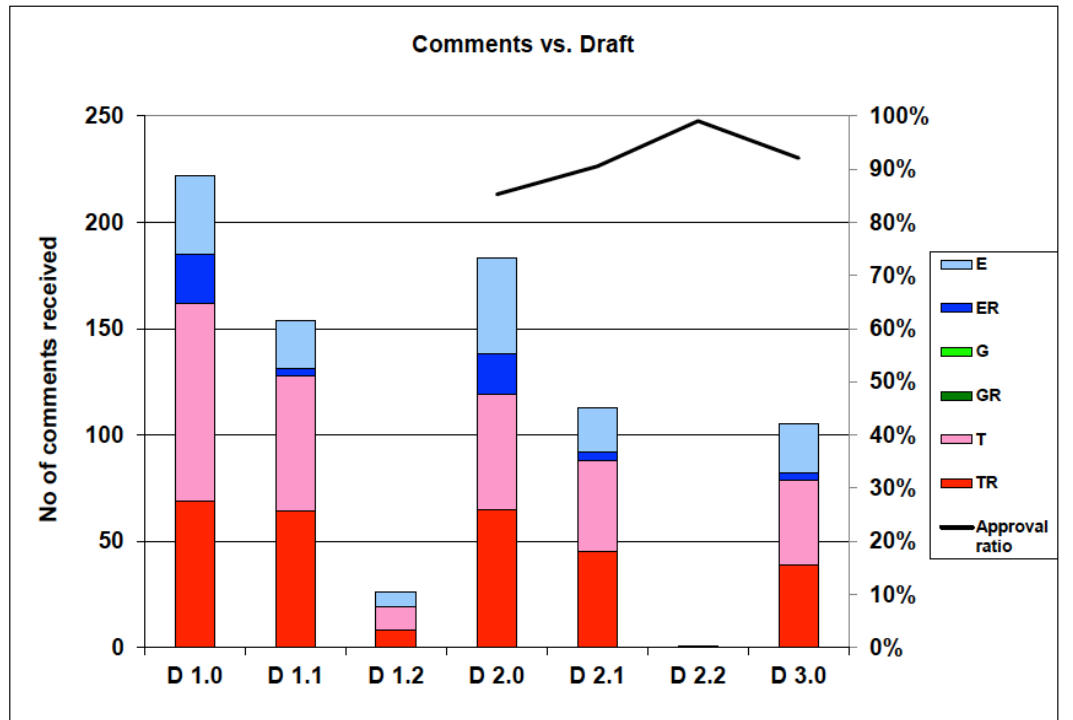
- ✧ Support full-duplex operation only
 - ✧ Preserve the IEEE 802.3 / Ethernet frame format utilizing the IEEE 802.3 MAC
 - ✧ Preserve minimum and maximum FrameSize of current IEEE 802.3 standard
 - ✧ Support a BER better than or equal to 10^{-12} at the MAC/PLS service interface
 - ✧ Provide appropriate 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 100 m of MMF
 - ❑ Specify optional Energy Efficient Ethernet (EEE) for 40 Gb/s and 100 Gb/s operation over fiber optic cables.
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- ✧ (approved by 802.3 July 2011)
 - ❑ (approved by 802.3 November 2012)



IEEE P802.3bm Draft Status

Comment trend

Ref: anslow_01_0714_optx.pdf (pg 5)



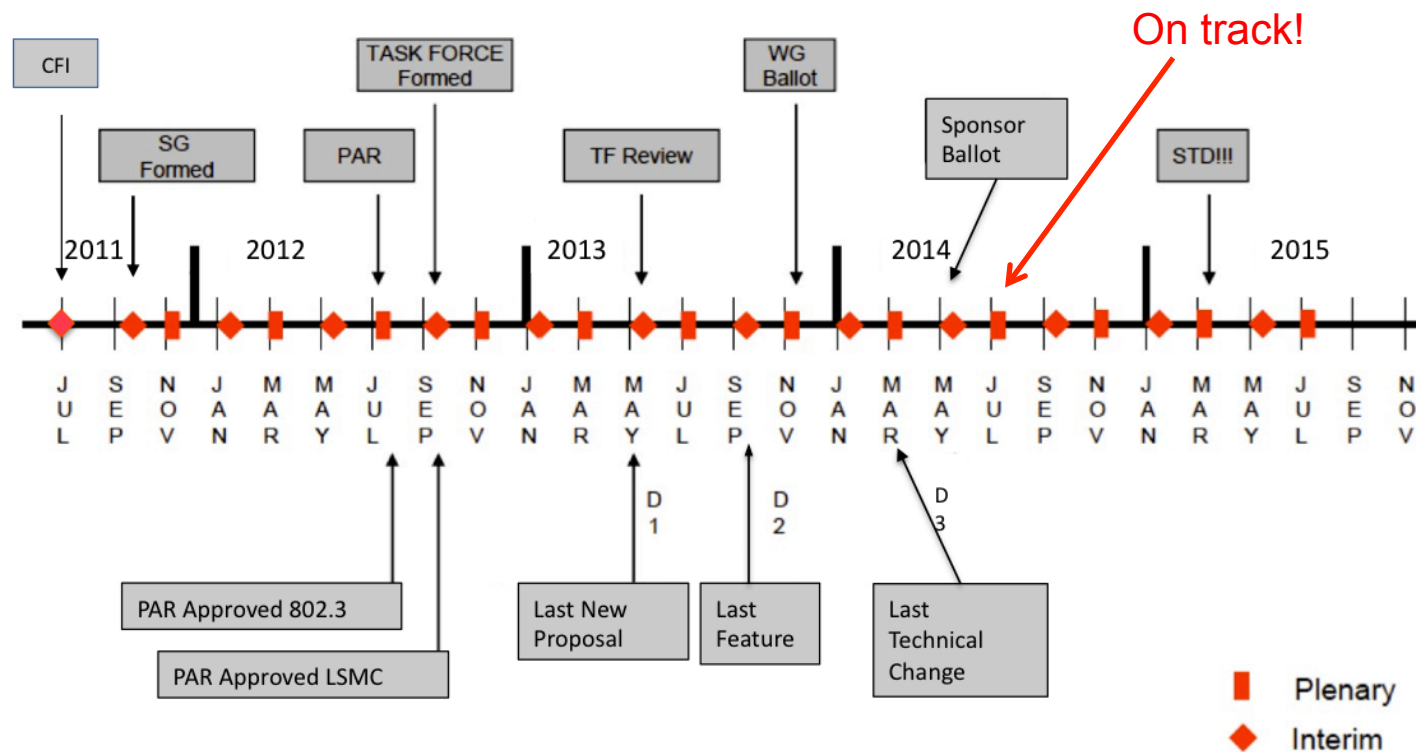
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At our Co-Located Interim Meeting (Held on 13,14 July 2014) we responded to all comments and are ready to produce D3.1 and re-circulate.



P802.3bm Adopted Timeline

IEEE P802.3bm Next Generation 40 Gb/s and 100 Gb/s Optical Ethernet
Timeline



(Approved Jan 2014 Interim Meeting)

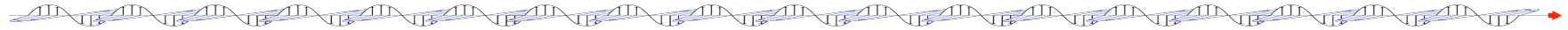




Task Force Private Area

- URL: <http://www.ieee802.org/3/b/private/index.html>
 - Username: xxxxxxxx
 - Password: xxxxxxxx
- Please 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 March 2014 Plenary (1 of 2)

- May 2014, Norfolk, Virginia USA
 - 8 Presentations provided
 - 3 Motions held
 - Dedicated IEEE 802.3bm Standard to memory of Brian J. Misek (unanimous)
 - Approved IC to INCITS T11 group (unanimous)
 - Reaffirmed readiness of our draft to go to Sponsor Ballot (unanimous)
- July 2014, San Diego USA (Co-Located Interim)
 - 12 Presentations provided
 - No Motions held
- Ad hoc meetings (Since March 2014)
 - MMF held 12 ad hoc calls, 1 F2F and considered 20 presentations
 - <http://www.ieee802.org/3/bm/public/mmfadhoc/meetings/index.html>
 - CAUI-4 held 7 ad hoc calls, 1 F2F and considered 7 presentations
 - <http://www.ieee802.org/3/bm/public/cuadhoc/meetings/index.html>





Activities Since March 2014 Plenary (2 of 2)

- Liaisons & Communications
 - Informal Communication to INCITS T11 was sent on 24 March 2014 with D2.1.
 - Informal Communication to ITU-T was sent on 24 March 2014 with D2.1.
 - Informal Communication OIF was sent on 5 May 2014 with D2.2.
- Working Group Ballot of D2.2 was completed
- Sponsor Ballot of D3.0 was produced and completed
- IEEE P802.3bm is preparing to re-circulate D3.1





Goals for this week's meeting

- Review Task Force Operation & Schedule
- Review Chief Editor's Report
- Liaisons
 - No Liaison Activity
- The CLI was held to reduce Task Force workload and enable higher participation in the 400G Task Force during the Plenary week
- Consider Motions & Discussions
 - Adopt comment responses & generate D3.1 for SB recirculation
- Wrap Up & Future Meeting Discussion





Meeting Info

We are meeting the following days/times/location

8:30am – 10:00am Tuesday – Seaport FGH

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/jul14/index.html> (July Index)





Thank you