

IEEE P802.3bj 100 Gb/s Backplane
and Copper Cable Task Force
14th July 2014
San Diego, CA

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Chair, IEEE P802.3bj Task Force

Topics

- Activities since March 2014 meeting
- Next steps
- Some commentary and recognition

Activities since March 2014 meeting

- Conducted 2nd Sponsor recirculation ballot

Voters	109	Response rate	82.6
Approve	85	Approval rate	98.8
Disapprove with comment	1	Abstain rate	4.4
Disapprove without comment	0		
Abstain	4		
Returns	90	Comments	0

- Ballot satisfied conditions for RevCom submittal (granted conditional approval 21st March 2014)
- IEEE P802.3bj/D3.2 submitted for consideration during the June 2014 IEEE-SA SB meeting series
- May 2014 interim meeting cancelled

Activities cont'd

IEEE Std 802.3bj-2014 approved
by the IEEE-SA Standards Board
on 12th June 2014!

Next steps

- The work of the IEEE P802.3bj Task Force is complete
 - No future meetings of the Task Force
 - Task Force web site will be archived
 - E-mail reflector will be archived and shut down
- Support IEEE-SA staff with preparation for publication
 - Publication schedule currently targeting August

Commentary and recognition

From CFI to standard

It began with a simple idea...

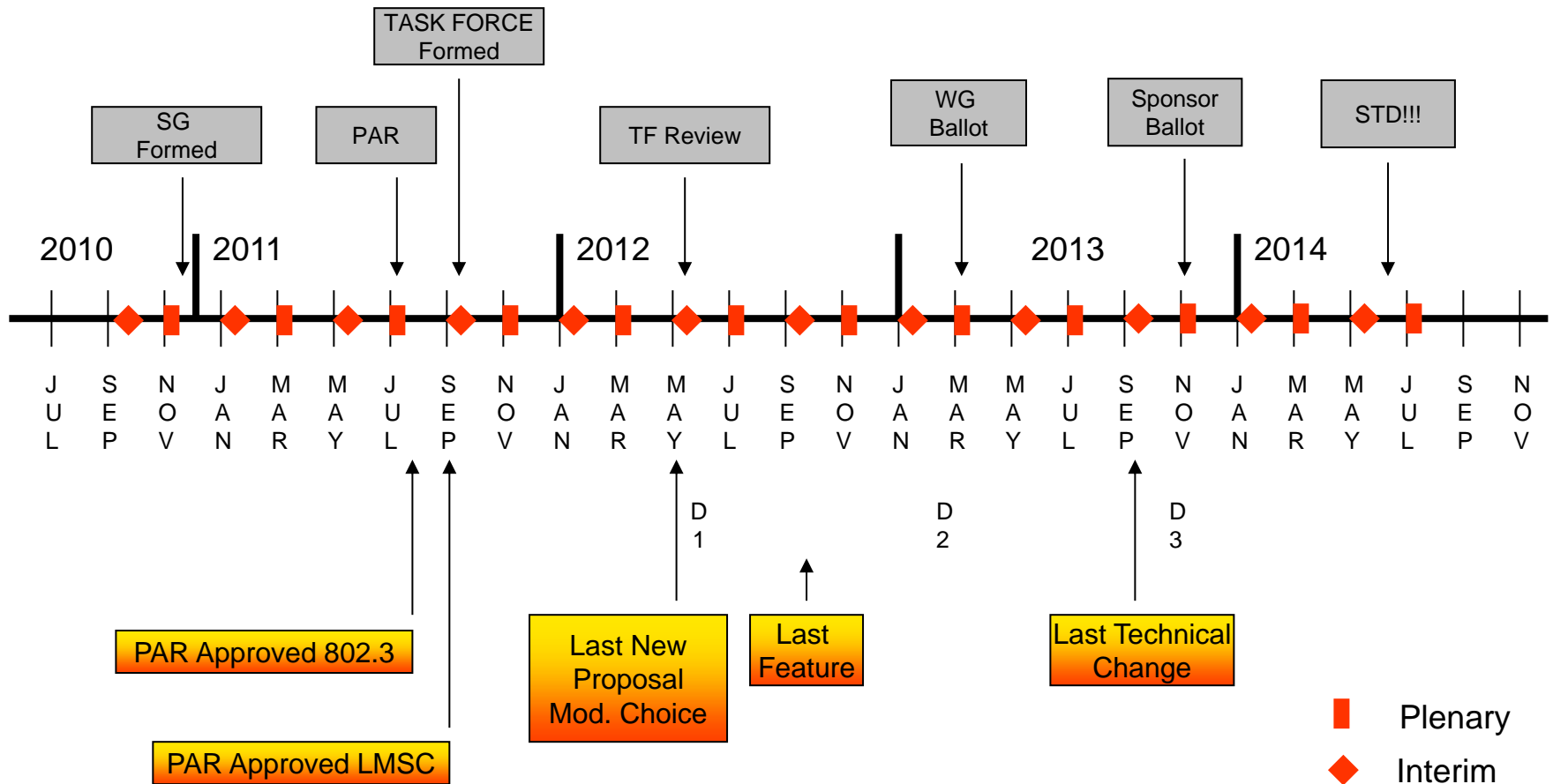
- Define a PHY for 100 Gb/s operation over a backplane
- Define a PHY for 100 Gb/s operation over a copper cable assembly

and ended up including...

- **2** new backplane PHYs
- 1 new copper cable PHY
- **Low-latency RS-FEC**
- **40 and 100 Gb/s Energy Efficient Ethernet**
- **“Fast wake” mode**
- **XLAUI, CAUI shutdown**
- **Channel Operating Margin**

359 page amendment ~3.5 years in development, 2356 comments processed, 2 Task Force chairs, 2 Editors-in-Chief

Completed on schedule!



Adopted November 2012

Recognition

- David Law WG chair
- Wael Diab WG vice chair, phases 1 & 2
- Steve Carlson WG executive secretary
- John D'Ambrosia TF chair, Phase 1
- Matt Brown TF editor-in-chief, phases 2 & 3

Recognition cont'd

- Hugh Barrass Editor, contributor
- Chris DiMinico Editor, contributor
- Arthur Marris Editor, contributor
- Kent Lusted Secretary, contributor
- Mark Gustlin Consensus builder, contributor
- Mike Dudek Ad hoc chair, contributor
- Charles Moore Ad hoc chair, contributor
- Adee Ran COM implementation, contributor
- Richard Mellitz COM implementation, contributor
- Liav Ben-Artzi Contributor, physical modeling

Recognition cont'd

- Dave Chalupsky
- Stephen Bates
- Sudeep Bhoja
- Roy Cideciyan
- Martin Langhammer
- Jeff Slavick
- Andre Szczepanek
- Zhong Feng Wang
- Joel Goergen
- Beth Kochuparambil
- Pravin Patel
- Mounir Meghelli
- Mike Li
- Will Bliss
- Dariush Dabiri
- Arash Farhood
- Howard Frazier
- Vasu Parthasarathy
- Mark Nowell
- Megha Shanbhag
- Nathan Tracy
- Mark Bugg
- Greg LeCheminant
- Pavel Zivny
- Pete Anslow
- Piers Dawe

...and thanks to anyone else who I inadvertently missed!