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

Adam Healey
Chair, IEEE P802.3bj Task Force
Topics

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

• Conducted 2\textsuperscript{nd} Sponsor recirculation ballot

<table>
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<th>Voters</th>
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<td>1</td>
<td>Abstain rate</td>
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• Ballot satisfied conditions for RevCom submittal (granted conditional approval 21\textsuperscript{st} 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-Artsi  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!