

IEEE 802.3WG Closing Plenary Report

IEEE P802.3bj
100 Gb/s Backplane and Copper Cable
Task Force

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Atlanta, GA, USA, Nov 2011

Reflector and Web

- To subscribe to the 100GCU reflector, send an email to:

ListServ@ieee.org

with the following in the body of the message (do not include “<>”):

*subscribe stds-802-3-100GCU <yourfirstname> <yourlastname>
end*

- Send 100GCU reflector messages to:

STDS-802-3-100GCU@listserv.ieee.org

- Task Force web page URL:

<http://www.ieee802.org/3/bj/index.html>

Project Documentation

- PAR
 - http://www.ieee802.org/3/bj/PAR_approved_0911.pdf
- 5 Criteria
 - http://www.ieee802.org/3/bj/5C_0911.pdf
- Objectives
 - http://www.ieee802.org/3/bj/objectives_0711.pdf
- Adopted Timeline
 - http://www.ieee802.org/3/bj/timeline_0911.pdf

Task Force Private Area

- URL: <http://www.ieee802.org/3/bj/private/index.html>
 - Username: XXXXXX
 - Password: XXXXXXXXX
- Write it down...
- Note - The drafts 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.

This Week's Progress

- Hear 26 Technical Presentations
 - The Channel & related topics
 - FEC
 - EEE
 - NRZ / PAM-4
 - Heard presentation proposing bi-directional across 8 total lanes
- Initiated Informal Communication to PICMG
- Lay the ground work for the next meeting

Motions & Strawpolls

EEE:

Straw Poll #1: I would support adding an objective to define optional Energy-Efficient Ethernet operation for 100G Backplane and Twinaxial cable PHYs specified in P802.3bj

Results: All (y/n/a): 58/1/19

802.3 (y/n/a): 39/1/11

Motion #2: Move that the P802.3bj Task Force add an objective:

To define optional Energy-Efficient Ethernet operation for 100G Backplane and Twinaxial cable PHYs specified in P802.3bj

Results: All (y/n/a): 57/10/17

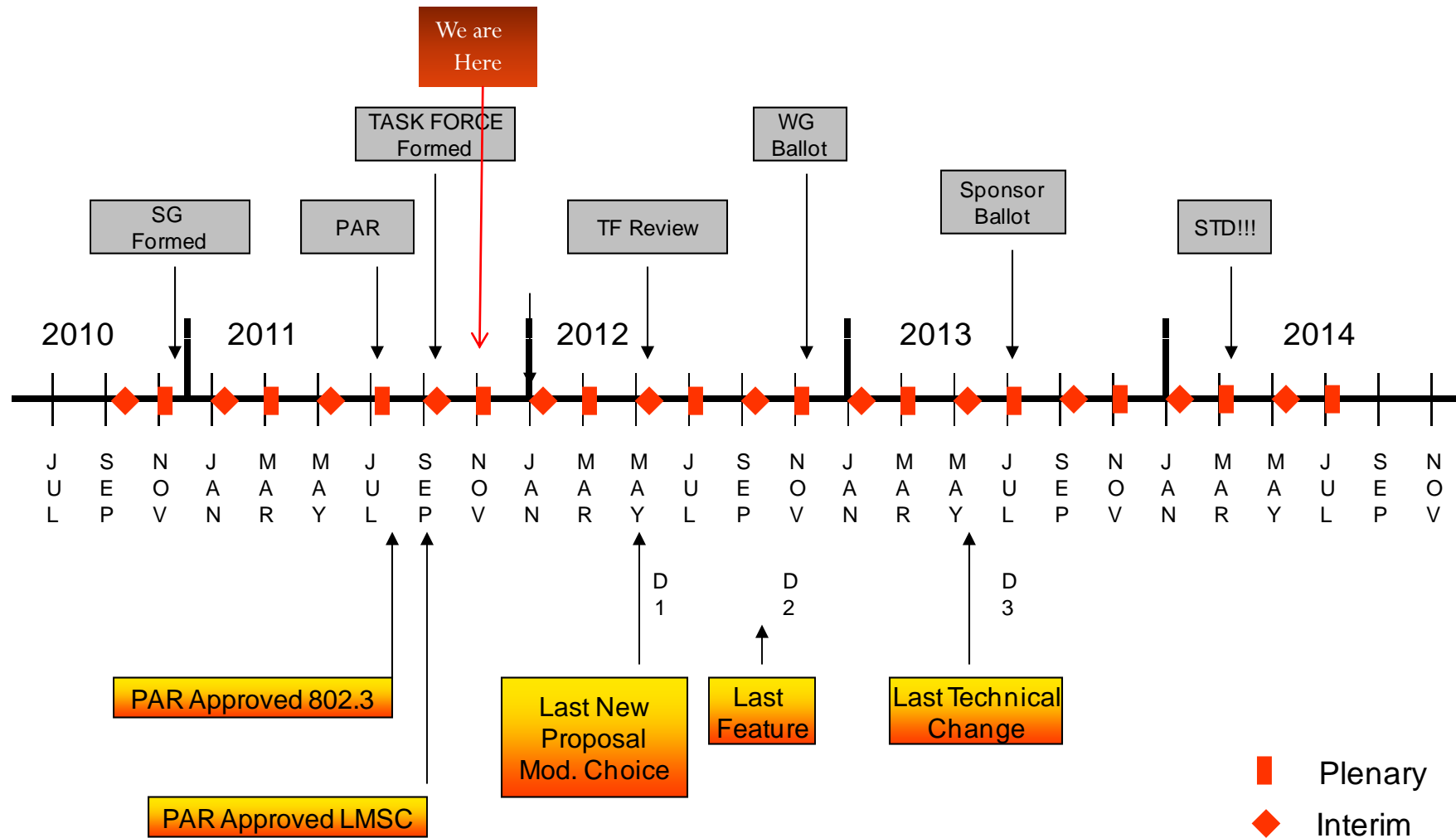
802.3 (y/n/a): 40/6/11

Informal Communication:

Motion #3: Move that Task Force approve the text in lusted_03a_1111.pdf, with editorial license granted to the Chair (or his appointed agent) as an informal communication by the Chair to the PCI Industrial Computer Manufacturers Group (PICMG).

Results: Approved by voice vote without objection

Adopted Timeline



http://www.ieee802.org/3/bj/timeline_0911.pdf

WG Motion:

- Move that 802.3 approve the proposed revision to IEEE P802.3bj Task Force objectives, as per 1111_bj_close_report.pdf
- Technical ($\geq 75\%$)
- Moved by: John D'Ambrosia
- Second: Mike Bennett
- 802.3 Voters (Y/N/A): / /
- Motion

IEEE P802.3bj Task Force Objectives: Update

- Support full-duplex operation only
- Preserve the 802.3 / Ethernet frame format utilizing the 802.3 MAC
- Preserve minimum and maximum FrameSize of current 802.3 standard
- Support a BER of better than or equal to 10^{-12} at the MAC/PLS service interface
- Define a 4-lane 100 Gb/s backplane PHY for operation over links consistent with copper traces on “improved FR-4” (as defined by IEEE P802.3ap or better materials to be defined by the Task Force) with lengths up to at least 1m.
- Define a 4-lane 100 Gb/s PHY for operation over links consistent with copper twin-axial cables with lengths up to at least 5m.
- **To define optional Energy-Efficient Ethernet operation for 100G Backplane and Twinaxial cable PHYs specified in P802.3bj**

Thank You!