IEEE P802.3bv Gigabit Ethernet Over Plastic Optical Fiber (GEPOF)
IEEE 802.3 Closing Report

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San Antonio, Texas, USA

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IEEE P802.3bv GEPOF project information

Task Force Organization

Bob Grow, TF Chair, Editor

Rubén Pérez de Aranda Alonso, Editor, Comment Editor

Task force web and reflector information

– Reflector information: http://www.ieee802.org/3/bv/reflector.html

– Home page: http://ieee802.org/3/bv/index.html

- PAR: http://www.ieee802.org/3/bv/P802_3bv_PAR_approved_121214.pdf
- CSD: http://www.ieee802.org/3/bv/CSD_GEPOF_1114.pdf
- Objectives: http://www.ieee802.org/3/bv/Objectives_GEPOF_2_0714.pdf
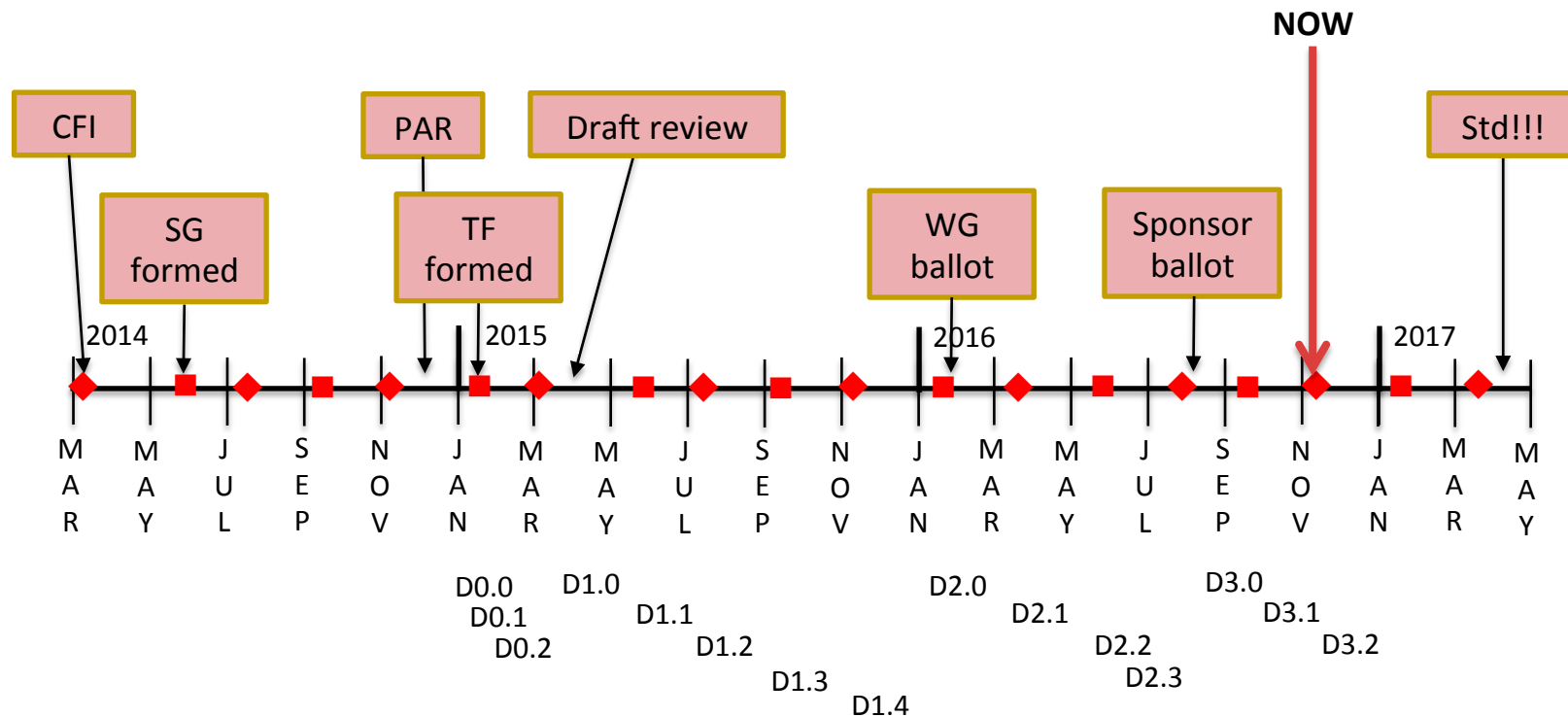
Reflector and web

- To subscribe to the GEPOF reflector, send an email to:
    ListServ@ieee.org
  with the following in the body of the message (do not include "<>"):
    subscribe **stds-802-3-GEPOF** *<yourfirstname> <yourlastname>*
    end

- Send GEPOF reflector messages to:
    stds-802-3-GEPOF@listserv.ieee.org

- Study Group web page URL:
    http://www.ieee802.org/3/GEPOFSG/index.html

Approved GEPOF Objectives

- Preserve the IEEE 802.3/Ethernet frame format utilizing the IEEE 802.3 MAC
- Preserve minimum and maximum frame size of the current IEEE 802.3 standard
- Support full duplex operation only
- Support a data rate of 1000 Mb/s at the MAC/PLS service interface
- For the automotive environment:
  – Specify operation over at least 15m of POF with 4 POF connections
  – Specify operation over at least 40m of POF with no POF connections
- For the home and industrial environment specify operation over at least 50m of POF with 1 POF connections
- Maintain a bit error ratio (BER) better than or equal to 10^{-12} at the MAC/PLS service interface
- Specify optional Energy-Efficient Ethernet for 1000 Mb/s over POF

P802.3bv Timeline

Revised 27 July 2016

Activity this week

- Considered category A liaison request from ISO TC22 SC32

- Comment resolution – all comments closed
  - D3.1 comments (8 plus 10 late)
  - Substantive changes have been made to draft in response to these comments
  - D3.2 will be recirculated

- Decided to request conditional approval for submission to RevCom

WG Motion – Category A liaison

The IEEE 802.3 Working group approves the formation of the category A liaison between IEEE 802.3 and ISO TC22 SC32 Road vehicles - Electrical and electronic components and general system aspects.

Move on behalf of the P802.3bv TF: R. Grow

Technical

Y: , N: , A

Motion passes/fails

WG Motion – Letter to ISO TC22 SC32

Move that the IEEE 802.3 Working Group approve IEEE_802d3_to_ISO_TC22_SC32_1116_draft.pdf with editorial license granted to the Chair (or his appointed agent) as liaison communication from the IEEE 802.3 Working Group to ISO TC22 SC32.

Move: R. Grow

Second: R. Pérez de Aranda

Procedural/Technical

Y: , N: , A:

Motion passes/fails

TF Motion – Conditional to RevCom

Move that the IEEE 802.3bv Task Force re-affirm the CSD responses in http://www.ieee802.org/3/bv/CSD_GEPOF_1114.pdf and request conditional approval to progress the IEEE P802.3bv draft to RevCom once the Sponsor ballot process has been successfully completed.
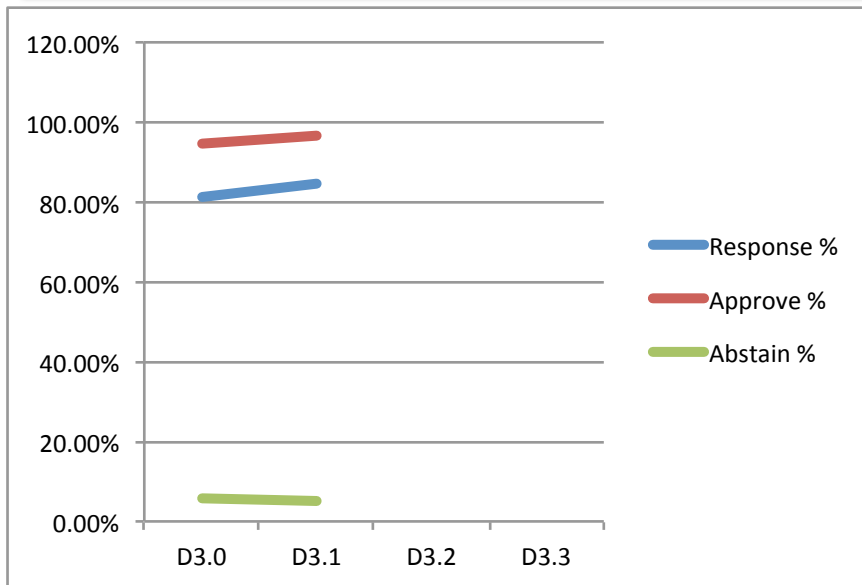

Moved: Y. Tsukamoto-san
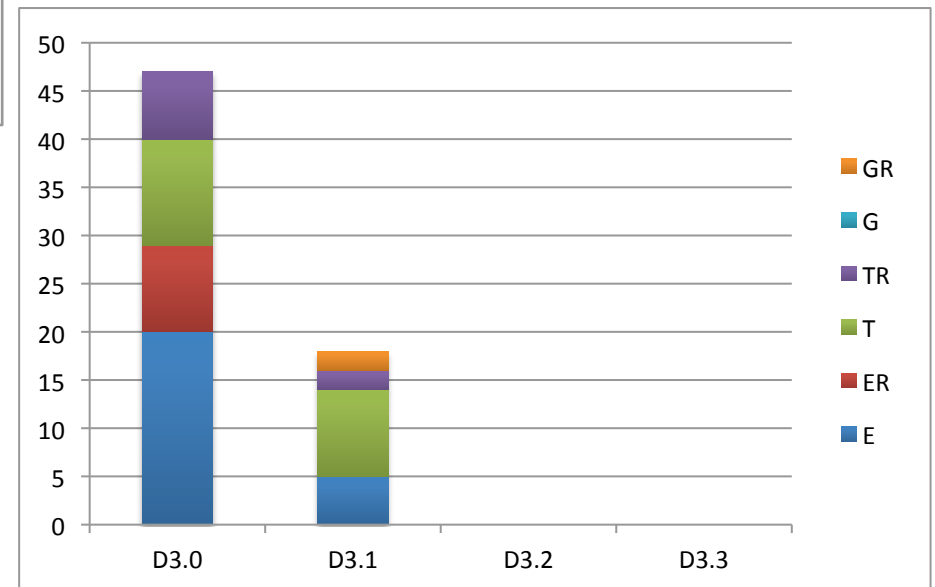Second: Señor R. Pérez de Aranda
Technical

Y: 8, N: 0, A: 0

Motion passes

Sponsor Ballot History

- Response % exceeded
- Approval % exceeded
- Below the maximum abstention %

- Comment count has decreased (includes late comments)

Sponsor Ballot History (2)

	D3.0		D3.1	
	#	%	#	%
Abstain	6	6.06%	5	4.85%
Disapprove	5	-	2	-
Disapprove w/o comment	0	-	0	-
Approve	88	94.62%	96	97.96%
Ballots returned	99	81.15%	103	84.43%
Voters	122	-	122	-
Comments (incl. late)	47	-	18	-

- Numbers includes post ballot changes

Disapprove voters/comments

- Publication editor is satisfied with responses to MEC comments

- 2 unsatisfied negative voters

- 2 unresolved negative comments
  - Initial ballot, i-15, i-47 – requests for more implementation testing to verify optical interface specifications

WG Motion - Conditional to RevCom

Move that the IEEE 802.3 Working Group re-affirm the CSD responses in http://www.ieee802.org/3/bv/CSD_GEPOF_1114.pdf and request conditional approval to progress the IEEE P802.3bv draft to RevCom once the Sponsor ballot process has been successfully completed.

Move on behalf of the P802.3bv TF: R. Grow

Technical

Y: , N: , A:

Motion fails/passes

P802.3bv contingent interim

Considering D3.1 comment substance and volume, a contingent P802.3bv interim meeting will be held. To be confirmed by the TF:

- Date: 7th December 2016
- Location: Regensburg, Germany
- Time: 16:00 CET
- Please request/register to attend either in person or via teleconference (email to bob.grow@ieee.org).
- The time is coordinated to avoid conflict with the ISO TC22 SC32 meeting.
- The TF interim meeting will be cancelled if no comments requiring consideration are received.

Questions?

Thank you!