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

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San Diego, CA, USA  
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# IEEE P802.3bv GEPOF project information

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## 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](http://www.ieee802.org/3/bv/P802_3bv_PAR_approved_121214.pdf)
  - CSD: [http://www.ieee802.org/3/bv/CSD\\_GEPOF\\_1114.pdf](http://www.ieee802.org/3/bv/CSD_GEPOF_1114.pdf)
  - Objectives: [http://www.ieee802.org/3/bv/Objectives\\_GEPOF\\_2\\_0714.pdf](http://www.ieee802.org/3/bv/Objectives_GEPOF_2_0714.pdf)

# Reflector and web

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- 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

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- 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

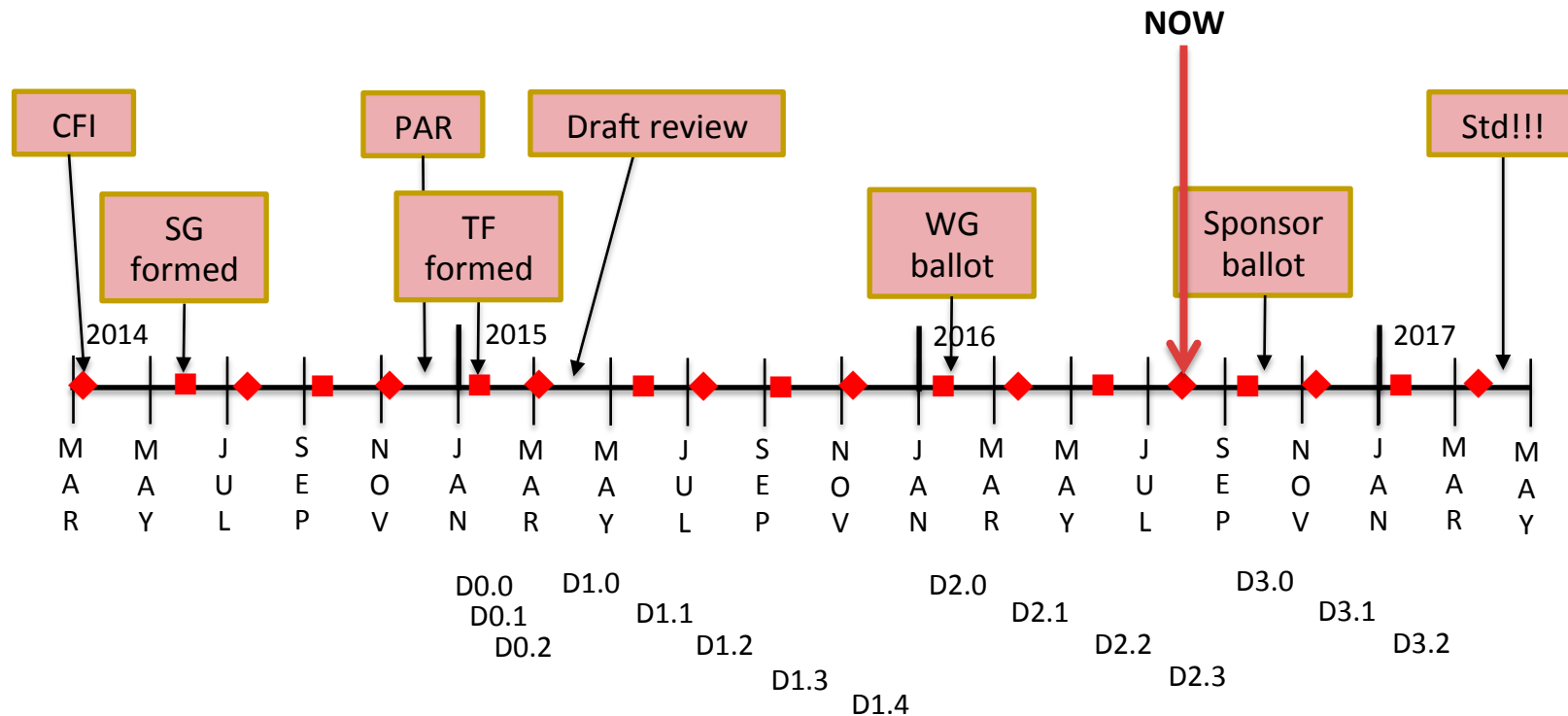
# Activity this week

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- Comment resolution – all comments closed
  - 2 Editorial (out of scope)
- Reviewed non-substantive changes for D3.0
  - Change number of clause 114 to 115
  - Make changes appropriate for being assigned Amendment 9
    - Update front matter (title page, Introduction document list)
    - Update subclause numbers, base text and editing instructions, as noted in P802.3bv drafts would be done in reaction to changes in other project drafts
- Motion to request advancement to Sponsor ballot
  - Reaffirmed CSD

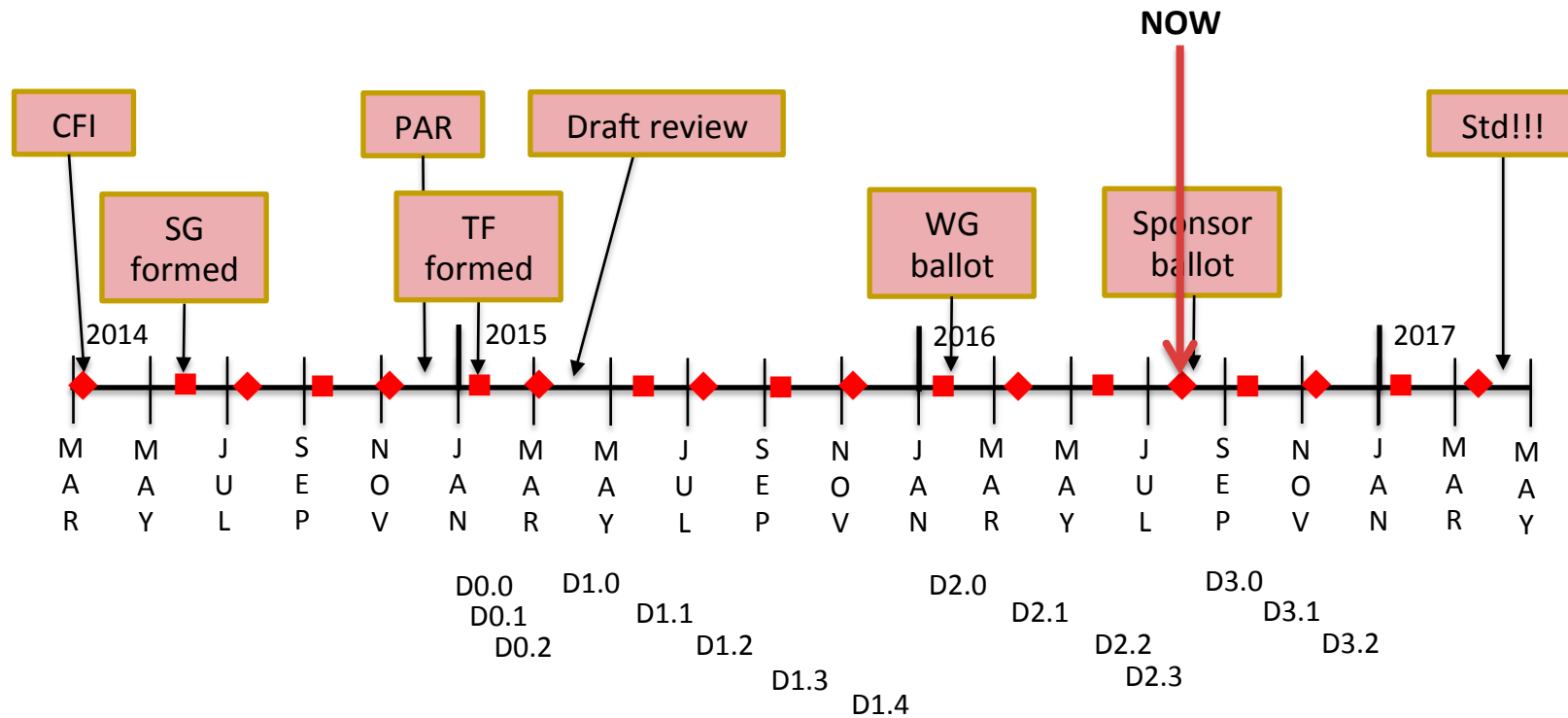
# P802.3bv Timeline

Revised 10 November 2015



# P802.3bv Timeline

Proposed 27 July 2016



# TF Motion

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Move that the IEEE P802.3bv Task Force re-affirm the CSD responses in [http://www.ieee802.org/3/bv/CSD\\_GEPOF\\_1114.pdf](http://www.ieee802.org/3/bv/CSD_GEPOF_1114.pdf) and request approval to progress the IEEE P802.3bv draft to IEEE 802 LMSC sponsor ballot.

Move: Señor C. Pardo , Second: Hr. B. Horrmeyer

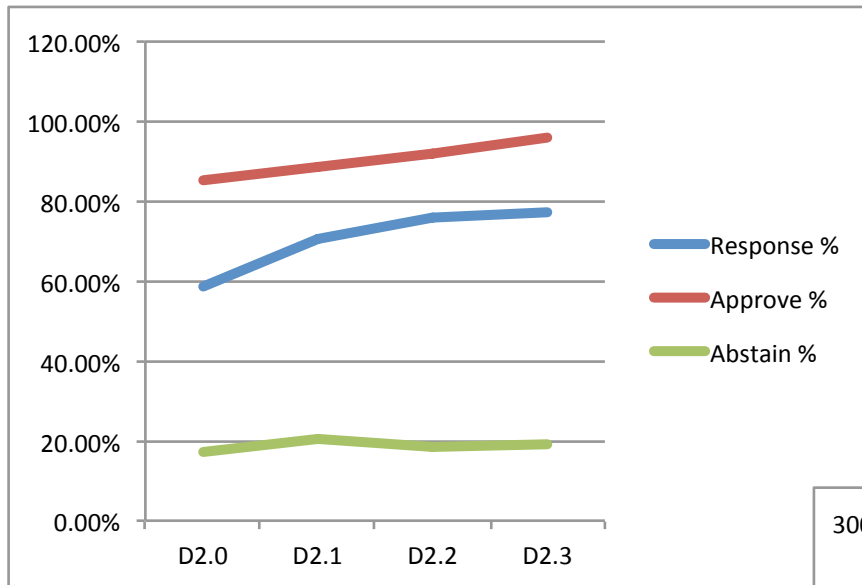
Technical

Y: 18, N: 0, A: 0

Motion passes

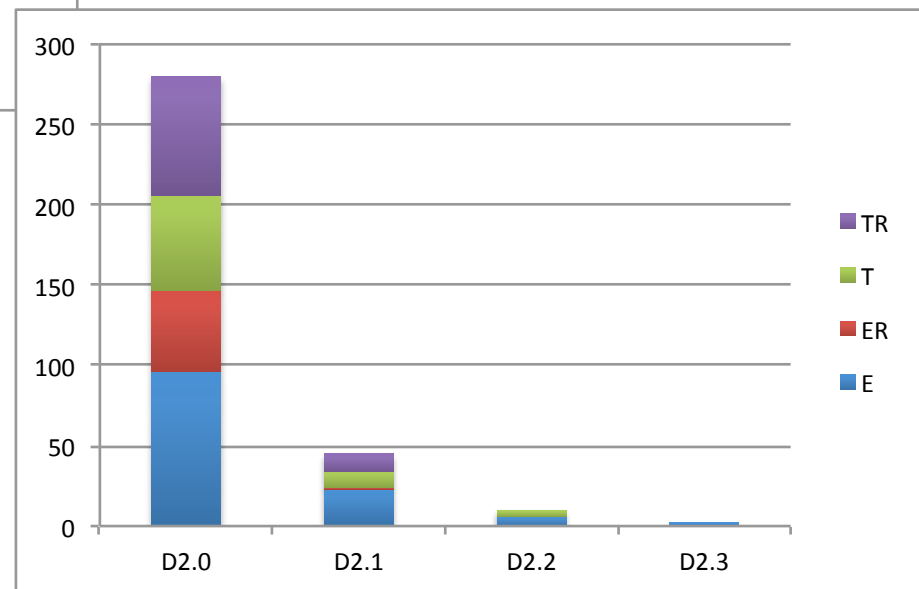


# WG Ballot History



- Response % exceeded
- Approval % exceeded
- Below the maximum abstention %
- Includes post ballot email changes

- Comment count has decreased as is typical in 802.3



# WG Ballot History (2)

	D2.0		D2.1		D2.2		D2.3	
	#	%	#	%	#	%	#	%
Abstain	21	17.21%	30	20.41%	29	18.35%	31	19.25%
Disapprove	15	-	13	-	10	-	4	-
Disapprove w/o comment	0	-	1	-	1	-	1	-
Approve	86	85.15%	103	88.79%	118	92.19%	125	96.90%
Ballots returned	122	58.65%		70.67%	158	75.96%	161	77.40%
Voters	208	-	208	-	208	-	208	-
Comments (incl. late)	280	-	49	-	10	-	2	-

\* Post ballot email vote changes included

# Disapprove voter comment topics

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- Editing instructions
- Matlab (trademarking, normative specifications)
- Overspecification/repetitive information
  - CRC16
  - GMII
- Testing and completeness of specifications to better assure interoperability
- Augmentation of IEC 60793-2-40 POF specifications
- Topology/connectors for broad market

# WG Motion

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Move that the IEEE 802.3 Working Group re-affirm the CSD responses in

[http://www.ieee802.org/3/bv/CSD\\_GEPOF\\_1114.pdf](http://www.ieee802.org/3/bv/CSD_GEPOF_1114.pdf) and request approval to progress the IEEE P802.3bv draft to IEEE 802 LMSC sponsor ballot.

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

Y: , N: , A:

Motion fails/passes



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Questions?

Thank you!

