

IEEE 802.3 motions

Closing IEEE 802 EC
Friday 17th March 2017

***ME 5.064: IEEE P802.3cb 2.5 Gb/s
and 5 Gb/s Operation over
Backplane to Sponsor ballot**

IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Operation over Backplane to Sponsor ballot

Item 1: Date the ballot closed

The 3rd Working Group recirculation ballot on IEEE P802.3cb draft D2.3 closed on 11th March 2017 at 23:59 AOE

Item 2: Vote tally

	Initial Draft D2.0			1 st Recirculation Draft D2.1			2 nd Recirculation Draft D2.2			3 rd Recirculation Draft D2.3			Req %
	#	%	Status	#	%	Status		%		#	%	Status	
Abstain	29	21	PASS	32	22	PASS	35	21	PASS	35	21	PASS	< 30
Dis with comment	12	-	-	1	-	-	2	-	-	3	-	-	-
Dis w/o comment	0	-	-	0	-	-	0	-	-	0	-	-	-
Approve	100	89	PASS	115	99	PASS	126	98	PASS	126	97	PASS	≥ 75
Ballots returned	141	67	PASS	148	70	PASS	163	77	PASS	164	77	PASS	> 50
Voters	212	-	-	212	-	-	212	-	-	212	-	-	-
Comments	357	-	-	157	-	-	27	-	-	19	-	-	-

IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Operation over Backplane to Sponsor ballot

Item 3: Comments that support the remaining disapprove votes and WG responses

13 unresolved negative comments from 3 commenters

See: <https://mentor.ieee.org/802-ec/dcn/17/ec-17-0057-00-00EC-ieee-p802-3cb-unresolved-negative-comments.pdf>

Most comments relate to a concern that signal to noise and distortion ratio (SNDR) limit of 5.6 dB does not ensure the link will meet a bit error ratio (BER) of 10^{-12}

Add a reference receiver (equalizer) to the measurement to remove inter-symbol interference (ISI) and enable a higher SNDR limit. This will apply a tighter bound to the "noise" and "distortion" terms and provide better assurance that the link BER target will be met

Of remaining comments, one comment related to incorrect implementation of remedy of previous comment, three comments related to incorrect cross references

Item 4: Recirculation ballot and resolution meeting schedule

4 th Working Group recirculation ballot day one	19 th April 2017
4 th Working Group recirculation ballot close date	4 th May 2017
IEEE P802.3cb comment resolution meeting	5 th May 2017
5 th Working Group recirculation ballot day one	8 th May 2017
5 th Working Group recirculation ballot close date	22 nd May 2017
IEEE P802.3cb comment resolution meeting	22 nd May 2017

Note: 5th Working Group recirculation ballot only if required.

IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Operation over Backplane to Sponsor ballot

Motion

Approve sending IEEE P802.3cb D3.0 to sponsor ballot

Confirm the IEEE P802.3cb CSD in <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0143-00-ACSD-802-3cb.pdf>

M: Law S: D'Ambrosia

Y: ??, N: ??, A: ??

Working Group vote

Y: 73, N: 0, A: 5

***ME 5.065: New PAR: IEEE
P802.3ch Greater than 1 Gb/s
Automotive Ethernet**

IEEE P802.3ch Greater than 1 Gb/s Automotive Ethernet PAR and CSD responses

Title

Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for greater than 1 Gb/s Automotive Ethernet

Scope of project

Specify additions to and appropriate modifications of IEEE Std 802.3 to add greater than 1 Gb/s Physical Layer (PHY) specifications and management parameters for media and operating conditions for applications in the automotive environment

Need

Applications in automotive industries have begun the transition of legacy automotive networks to Ethernet to support Advanced Driver Assist Systems. This has generated a need for data rates greater than 1 Gb/s in the automotive environment. IEEE Std 802.3 does not currently support rates greater than 1 Gb/s in the automotive environment

IEEE P802.3ch Multi-Gig Automotive Ethernet PHY Study Group PAR and CSD responses

Motion

Approve forwarding IEEE P802.3ch PAR in <https://mentor.ieee.org/802-ec/dcn/17/ec-17-0008-03-00EC-ieee-p802-3ch-draft-par.pdf> to NesCom

Approve IEEE P802.3ch CSD in <https://mentor.ieee.org/802-ec/dcn/17/ec-17-0009-01-00EC-ieee-p802-3ch-draft-csd.pdf>

M: Law S: D'Ambrosia

Y: ??, N: ??, A: ??

PAR Working Group vote Y: 76, N: 1, A: 0

CSD Working Group vote Y: 73, N: 0, A: 2