Closing Report

IEEE 802.3 P802.3bz 2.5G/5GBASE-T Task Force

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San Diego, CA
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IEEE P802.3bz 2.5G/5GBASE-T Task Force Project Information

Task Force Organization

David Chalupsky, Chair   Jon Lewis, Secretary

George Zimmerman, Chief Editor   Peter Jones, Chair, Architecture ad hoc

Editorial Team: Chris DiMinico, Jon Lewis, Mike Klempa, Valerie Maguire, Brett McClellan

Chris DiMinico, Chair, Use Case ad hoc

German Feyh, Chair, Enterprise Noise and Use Case Analysis ad hoc (ENUCA)

Task Force web and reflector information

Reflector information: http://ieee802.org/3/NGBASET/reflector.html

Home page: http://ieee802.org/3/bz/index.html

PAR - http://www.ieee802.org/3/bz/P802.3bz.pdf

CSD - http://www.ieee802.org/3/bz/802d3_NGEABT_CSD_802.3_WG_approved_12-march-15.pdf

Objectives - http://www.ieee802.org/3/bz/ngeabt_objectives_802.3WG_approved_0315.pdf

Private area: http://ieee802.org/3/bz/private/index.html

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User = xxxxx   password = xxxxx

IEEE P802.3bz Adopted Schedule

2015	January		1st SG meeting
	March		2nd SG meeting
2015	May	D0.1	1st TF mtg, preliminary draft
	July	D1.0	start TF review
	September	D1.1	
	November	D1.2	technically complete - presubmit for WG ballot. Must be available 10days prior to 802.3 mtg
2016	January	D2.0	30-day IWGB: 1/23-2/21.
	March	D2.1	conditional SB for May
	April	D3.0	
	May	D3.1	
	July	D3.2	
	August		Aug 5th final recirc start for deadline Sept Revcom
	September	D3.?	Approved

Activities This Week

- 72 minute meeting Wednesday morning
  - 43 attendees.
- 100% approval on D3.2
- Addressed 2 comments on D3.2
  - Modified title to reflect full scope by adding "Media Access Control Parameters"
- Authorized the generation of D3.3
- Moved to request conditional approval to forward draft to RevCom
- Scheduled contingent interim for August 25, 2016
- Meeting minutes and D3.3 are posted to web

Liaisons and Communications

Incoming liaison from TIA TR42, providing draft 1.1 of TSB-5021 to P802.3bz

No response needed.

P802.3bz TF Motion #4

Move to

Reaffirm the CSD responses in http://www.ieee802.org/3/bz/802d3_NGEABT_CSD_802.3_WG_approved_12-march-15.pdf

Request 802.3 WG to progress the draft to Revcom

Direct the task force chair to make the following motion to 802.3

Move that the IEEE 802.3 Working Group re-affirm the CSD responses in http://www.ieee802.org/3/bz/802d3_NGEABT_CSD_802.3_WG_approved_12-march-15.pdf and request conditional approval to progress the IEEE P802.3bz draft to RevCom once the Sponsor ballot process has been successfully completed.

Moved: Jon Lewis

Seconded: Steve Carlson

Technical (≥ 75% required)

Y: 35 N: 0   A: 0

Motion passes/fails

IEEE P802.3bz D3.2 Status

100% Approve, 2 comments,

	D3p0	D3p0%	D3p1	D3p1%	D3p2	D3p2%	Required
Voters	124		124		124		
Return	102	82.3%	108	87.1%	111	89.5%	>50%
Approve	95	96.0%	102	98.1%	107	100.0%	>75%
Disapprove w/comment	4	4.0%	2	1.9%	0	0.0%	<25%
Disapprove w/o comment	0	0.0%	0	0.0%	0	0.0%	
Abstain	3	2.9%	4	3.7%	4	3.6%	<30%
Comments	113		22		2		

Unsatisfied Comments Review

Total of 0 unsatisfied comments from 0 Disapprove voters

D3.2 Comment Profile

2 Comments:

1) This draft meets all editorial requirements.

2) Change title from: "Standard for Ethernet Amendment: Physical Layer and Management Parameters for 2.5 Gb/s and 5 Gb/s Operation, Types 2.5GBASE-T and 5GBASE-T"
to:

"Standard for Ethernet Amendment: Media Access Control Parameters, Physical Layers, and Management Parameters for 2.5 Gb/s and 5 Gb/s Operation, Types 2.5GBASE-T and 5GBASE-T

CHANGES FROM DRAFT 3.2 TO 3.3

- No technical changes
- Change title only

IEEE P802.3bz™/D~~3.2~~3.3, ~~30th June 2016~~27th July 2016
(Amendment of IEEE Std 802.3™-2015, <approved amendments to be added during publication preparation>)

IEEE P802.3bz™/D~~3.2~~3.3

Draft Standard for Ethernet
Amendment:
Media Access Control Parameters,
Physical ~~Layer~~ **Layers,** and Management
Parameters for 2.5 Gb/s and 5 Gb/s
Operation, Types 2.5GBASE-T and
5GBASE-T

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Recirculation ballot and resolution meeting schedule

Proposed Schedule

IEEE P802.3bz comment resolution meeting	7/27/2016
3rd Sponsor recirculation ballot day one	8/2/2016
RevCom September meeting submittal deadline	8/5/2016
3rd Sponsor recirculation ballot close date	8/16/2016
IEEE P802.3bz comment resolution meeting	8/25/2016
RevCom September meeting	9/16/2016

Additional Contingent Interim

802.3 WG Motion

Move that the IEEE 802.3 Working Group re-affirm the CSD responses in http://www.ieee802.org/3/bz/802d3_NGEABT_CSD_802.3_WG_approved_12-march-15.pdf and request conditional approval to progress the IEEE P802.3bz draft to RevCom once the Sponsor ballot process has been successfully completed.

Moved by David Chalupsky on behalf of the Task Force

Technical (≥ 75% required)

Y: N: A:

Motion passes/fails

P802.3bz additional interim

Contingent Interim

Will be cancelled if not necessary

August 25, 2016, 10am-1pm

Santa Clara, CA

No fee

Teleconference will be available

…but the rules say you must be in the room to vote

http://ieee802.org/3/rules/guidelines.html

Questions?

Thank you!

Next Generation Enterprise Access BASE-T PHY Objectives

- Support full duplex operation only
- Preserve the 802.3 / Ethernet frame format utilizing the 802.3 MAC
- Preserve minimum and maximum Frame Size of current 802.3 standard
- Support Auto-Negotiation (Clause 28)
- Support optional Energy Efficient Ethernet (Clause 78)
- Support local area networks using point-to-point links over structured cabling topologies
- Do not preclude meeting FCC and CISPR EMC requirements
- Support PoE (Clause 33)
  - including amendments made by 802.3bt "DTE Power via MDI over 4-Pair Task Force"
- Support MAC data rates of 2.5 Gb/s and 5 Gb/s
- Support a BER better than or equal to 10^{-12} at the MAC/PLS service interface (or the frame loss ratio equivalent)
- Select copper media from ISO/IEC 11801:2002, with any appropriate augmentation to be developed through work of 802.3 in conjunction with SC25/WG3 and TIA TR42
- Define a 2.5 Gb/s PHY for operation over
  - Up to at least 100m on four-pair Class D (Cat5e) balanced copper cabling on defined use cases and deployment configurations
- Define a 5 Gb/s PHY for operation over
  - Up to at least 100m on Class E (Cat6) balanced copper cabling on defined use cases and deployment configurations
  - Up to 100m on Class D (Cat5e) balanced copper cabling on defined use cases and deployment configurations