IEEE 802.3 motions

Closing IEEE 802 EC
Friday 18th March 2016

ME 5.101: PAR modification request: IEEE P802.3bs 200Gb/s and 400 Gb/s Ethernet

IEEE P802.3bs 200 Gb/s and 400 Gb/s Ethernet PAR modification request

Modified title

> Standard for Ethernet Amendment: Media Access Control Parameters, Physical Layers and Management Parameters for 200 Gb/s and 400 Gb/s Operation

Summary of modification request

> During the development of IEEE P802.3bs 400 Gb/s Ethernet, it was decided to develop 50 Gb/s optical and electrical signaling. With this signaling available, a family of Ethernet rates, based on multiple instantiations of 50 Gb/s, e.g. 50 Gb/s Ethernet, 100 Gb/s Ethernet, 200 Gb/s Ethernet, and 400 Gb/s Ethernet is emerging. The development of 200 Gb/s Ethernet physical layer specifications equivalent to the existing 400 Gb/s Ethernet specifications is being added to this project.

Draft PAR modification request

> http://www.ieee802.org/3/50G/public/Mar16/P802_3bs_PAR_160316.pdf

CSD responses

> http://www.ieee802.org/3/50G/public/NGAOTH_802d3bs_CSD_modification_0116.pdf

IEEE P802.3bs 200 Gb/s and 400 Gb/s Ethernet PAR modification request

Motion

The IEEE 802 LMSC Executive Committee approves the modified IEEE P802.3bs CSD responses and forwards the IEEE P802.3bs PAR modification request to NesCom

M: Law S: D'Ambrosia
Y: ??, N: ??, A: ??

Working Group votes:

PAR modification request: Y: 84, N: 2, A: 0
Modified CSD responses :   Y: 82, N: 1, A: 1

ME 5.102: PAR modification request: IEEE P802.3bt DTE Power via MDI over 4-Pair

IEEE P802.3bt DTE Power via MDI over 4-Pair PAR modification request and CSD responses

Title

Standard for Ethernet Amendment: Physical Layer and Management Parameters for DTE Power via MDI over 4-Pair

Summary of modification request

During the development of this project new features are being defined for 4-pair operation. This modification will permit some of these features to be defined for new 2-pair operation as well.

Draft PAR modification request

http://www.ieee802.org/3/bt/P802_3bt_PAR_160316.pdf

CSD responses (grandfathered 5 Criteria responses)

http://ieee802.org/3/bt/P802d3bt_5Criteria.pdf

IEEE P802.3bt DTE Power via MDI over 4-Pair PAR modification request and CSD responses

Motion

The IEEE 802 LMSC Executive Committee approves the IEEE P802.3bt CSD responses and forwards the IEEE P802.3bt PAR modification request to NesCom

M: Law S: Need a second
Y: ??, N: ??, A: ??

Working Group votes:
PAR modification request: Y: 66, N: 0, A: 17

ME 5.103: New PAR: IEEE P802.3cc 25 Gb/s Ethernet PMD(s) for Single Mode Fiber

IEEE P802.3cc 25 Gb/s Ethernet PMD(s) for Single Mode Fiber PAR and CSD responses

Title

Standard for Ethernet Amendment: Physical Layer and Management Parameters for Serial 25 Gb/s Ethernet Operation Over Single-Mode Fiber

Scope of project

The scope of this project is to add point-to-point single-mode fiber Physical Medium Dependent (PMD) options for serial 25 Gb/s operation at reaches greater than 100 m by specifying additions to, and appropriate modifications of, IEEE Std 802.3

IEEE P802.3cc 25 Gb/s Ethernet PMD(s) for Single Mode Fiber PAR and CSD responses

Need

The project is needed to provide multiple system operators and telecommunications operators with an IEEE 802.3 25 Gb/s Ethernet serial interconnect solution at reaches greater than 100 meters using single-mode fiber (SMF) for application areas including enterprise campus, carrier metro and other similar areas.

Draft PAR

http://ieee802.org/3/25GSMF/P802_3cc_PAR_160316.pdf

Draft CSD responses

http://ieee802.org/3/25GSMF/P802_3cc_CSD_160316.pdf

IEEE P802.3cc 25 Gb/s Ethernet PMD(s) for Single Mode Fiber PAR and CSD responses

Motion

The IEEE 802 LMSC Executive Committee approves the IEEE P802.3cc CSD responses and forwards the IEEE P802.3cc PAR to NesCom

M: Law S: D'Ambrosia
Y: ??, N: ??, A: ??

Working Group votes:

Project Authorization Request: Y: 73, N: 0, A: 1
CSD responses :   Y: 66, N: 0, A: 2

ME 5.104: New PAR: IEEE P802.3cd 50 Gb/s Ethernet over a single-lane, next generation 100 Gb/s and 200 Gb/s Ethernet

IEEE P802.3cd 50 Gb/s Ethernet over a single-lane, next generation 100 Gb/s and 200 Gb/s Ethernet PAR and CSD responses

Title

Standard for Ethernet Amendment: Media Access Control Parameters for 50 Gb/s and Physical Layers and Management Parameters for 50 Gb/s, 100 Gb/s, and 200 Gb/s Operation

Scope of project

Define Ethernet Media Access Control (MAC) parameters, Physical Layer specifications, and management parameters for the transfer of Ethernet format frames at 50 Gb/s over copper and optical media. Define additional Physical Layer specifications and management parameters at 100 Gb/s over copper and optical media. Define additional Physical Layer specifications and management parameters at 200 Gb/s over copper and multimode fiber physical media.

IEEE P802.3cd 50 Gb/s Ethernet over a single-lane, next generation 100 Gb/s and 200 Gb/s Ethernet PAR and CSD responses

Need

Rapid growth of server, network, and internet traffic is driving the need for higher data rates, higher density and lower cost solutions. Advances in 50 Gb/s signaling technologies can be leveraged to create optimized solutions based on single instance or multiple instances in parallel. IEEE Std 802.3 does not currently define 50 Gb/s Ethernet rates nor define 100 Gb/s or 200 Gb/s Ethernet solutions based on these new technologies.

Draft PAR

http://www.ieee802.org/3/50G/public/Mar16/P802_3cd_PAR_160316.pdf

Draft CSD responses

http://www.ieee802.org/3/50G/public/CSD_50G_NGOATH_01_0116.pdf

IEEE P802.3cd 50 Gb/s Ethernet over a single-lane, next generation 100 Gb/s and 200 Gb/s Ethernet PAR and CSD responses

Motion

The IEEE 802 LMSC Executive Committee approves the IEEE P802.3cd CSD responses and forwards the IEEE P802.3cd PAR to NesCom

M: Law   S: D'Ambrosia
Y: ??, N: ??, A: ??

Working Group votes:

Project Authorization Request:	Y: 84, N: 0, A: 0
CSD responses :	Y: 80, N: 1, A: 0

ME 5.108: New PAR: IEEE P802.3-2015/Cor 1 (IEEE 802.3ce) Multilane timestamping corrigendum (48 hour rule)

IEEE P802.3-2015/Cor 1 (IEEE 802.3ce) Multilane timestamping corrigendum PAR responses

Title

Standard for Ethernet - Corrigendum 1: Multilane timestamping

Scope of project

Clarification of which lane of the media dependent interface (MDI) of a multilane Physical Layer entity (PHY) is used as the timestamping reference point

Need

The lane of the MDI of a multilane PHY that should be used as the timestamping reference point needs to be specified. Otherwise, the entire inter-lane skew may need to be accounted for in the receive minimum and receive maximum path data delay register values, impacting the timing accuracy that can be supported.

Draft PAR

http://ieee802.org/3/maint/public/P802_3_2015_Cor_1_PAR_160316.pdf

IEEE P802.3-2015/Cor 1 (IEEE 802.3ce) Multilane timestamping corrigendum PAR responses

Motion

The IEEE 802 LMSC Executive Committee forwards the IEEE P802.3-2015/Cor 1 (IEEE 802.3ce) PAR to NesCom

M: Law S: D'Ambrosia
Y: ??, N: ??, A: ??

Working Group vote
Y: 88, N: 0, A: 3

ME 5.105: IEEE P802.3bp 1000BASE-T1 to RevCom (conditional)

IEEE P802.3bp 1000BASE-T1 to RevCom (conditional)

Item 1: Date the ballot closed

The 2nd Sponsor recirculation ballot on IEEE P802.3bp draft D3.2 closed on 15th March 2016 at 23:59 ET

Item 2: Vote tally

	Initial Draft D3.0			1st Recirculation Draft D3.1			2nd Recirculation Draft D3.2			Req %
	#	%	Status	#	%	Status		%		
Abstain	5	5	PASS	5	5	PASS	5	5	PASS	< 30
Dis with comment	3	-	-	5	-	-	2	-	-	-
Dis w/o comment	0	-	-	0	-	-	0	-	-	-
Approve	101	97	PASS	106	95	PASS	110	98	PASS	≥ 75
Ballots returned	109	83	PASS	116	89	PASS	117	90	PASS	≥ 75
Voters	130	-	-	130	-	-	130	-	-	-
Comments	200	-	-	85	-	-	11	-	-	-
Public comments	0	-	-							

IEEE P802.3bp 1000BASE-T1
to RevCom (conditional)

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

  3 unresolved negative comments from 2 commenters

  See http://www.ieee802.org/3/bp/comments/8023bp_unsatisfied.pdf

Item 4: Recirculation ballot and resolution meeting schedule

3rd Sponsor recirculation ballot day one	23rd March 2016
3rd Sponsor recirculation ballot close date	6th April 2016
IEEE P802.3bp comment resolution meeting	14th April 2016
4th Sponsor recirculation ballot day one	10th May 2016
RevCom June meeting submittal deadline	20th May 2016
4th Sponsor recirculation ballot close date	24th May 2016
IEEE P802.3bp comment resolution meeting	26th May 2016
RevCom June meeting	29th June 2016

Note: 4th Sponsor recirculation ballot only if required.

IEEE P802.3bp 1000BASE-T1
to RevCom (conditional)

Motion

The IEEE 802 LMSC Executive Committee confirms the IEEE P802.3bp 1000BASE-T1 CSD responses (grandfathered 5 Criteria responses) available at the URL <http://ieee802.org/3/bp/5Criteria.pdf> and grants conditional approval to forward IEEE P802.3bp to RevCom

M: Law S: D'Ambrosia
Y: ??, N: ??, A: ??

Working Group vote
Y: 85, N: 0, A: 2

ME 5.106: IEEE P802.3bq 25G/40GBASE-T to RevCom (conditional)

IEEE P802.3bq 25G/40GBASE-T to RevCom (conditional)

Item 1: Date the ballot closed

The 1st Sponsor recirculation ballot on IEEE P802.3bq draft D3.1 closed on 26th February 2016 at 23:59 ET

Item 2: Vote tally

	Initial Draft D3.0			1st Recirculation Draft D3.1			Req %
	#	%	Status	#	%	Status	
Abstain	3	3	PASS	3	3	PASS	< 30
Dis with comment	6	-	-	3	-	-	-
Dis w/o comment	1	-	-	0	-	-	-
Approve	92	93	PASS	103	97	PASS	≥ 75
Ballots returned	102	79	PASS	109	85	PASS	> 75
Voters	128	-	-	128	-	-	-
Ballot comments	188	-	-	15	-	-	-
Public comments	0	-	-				

IEEE P802.3bq 25G/40GBASE-T to RevCom (conditional)

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

    4 unresolved negative comments from 3 commenters

    See http://ieee802.org/3/bq/comments/8023bq_unsatisfied_post_d3p1.pdf

Item 4: Recirculation ballot and resolution meeting schedule

2nd Sponsor recirculation ballot day one	28th March 2016
2nd Sponsor recirculation ballot close date	11th April 2016
IEEE P802.3bq comment resolution meeting	14th April 2016
3rd Sponsor recirculation ballot day one	11th May 2016
RevCom June meeting submittal deadline	20th May 2016
3rd Sponsor recirculation ballot close date	25th May 2016
IEEE P802.3bq comment resolution meeting	26th May 2016
RevCom June meeting	29th June 2016

Note: 3rd Sponsor recirculation ballot only if required.

IEEE P802.3bq 25G/40GBASE-T to RevCom (conditional)

Motion

The IEEE 802 LMSC Executive Committee confirms the IEEE P802.3bq 25G/40GBASE-T CSD responses available at the URL <https://mentor.ieee.org/802-ec/dcn/15/ec-15-0069-00-ACSD-802-3bq.pdf > and grants conditional approval to forward IEEE P802.3bq to RevCom

M: Law S: D'Ambrosia
Y: ??, N: ??, A: ??

Working Group vote
Y: 94, N: 0, A: 0

ME 5.107: IEEE P802.3by 25 Gb/s Ethernet to RevCom (conditional)

IEEE P802.3by 25 Gb/s Ethernet to RevCom (conditional)

Item 1: Date the ballot closed

The 1st Sponsor recirculation ballot on IEEE P802.3by draft D3.1 closed on 26th Feb 2016 at 23:59 ET

Item 2: Vote tally

	Initial Draft D3.0			1st Recirculation Draft D3.1			Req %
	#	%	Status	#	%	Status	
Abstain	4	3	PASS	6	5	PASS	< 30
Dis with comment	3	-	-	1	-	-	-
Dis w/o comment	2	-	-	1	-	-	-
Approve	102	97	PASS	111	99	PASS	≥ 75
Ballots returned	111	78	PASS	119	83	PASS	> 75
Voters	142	-	-	142	-	-	-
Ballot comments	104	-	-	36	-	-	-
Public comments	0	-	-				

IEEE P802.3by 25 Gb/s Ethernet to RevCom (conditional)

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

    2 unresolved negative comments from 1 commenter

    See http://ieee802.org/3/by/public/comments/8023by_D31_comment_unsatisfied_by_ID.pdf

Item 4: Recirculation ballot and resolution meeting schedule

2nd Sponsor recirculation ballot day one	1st April 2016
2nd Sponsor recirculation ballot close date	14th April 2016
IEEE P802.3by comment resolution meeting	22nd April 2016
3rd Sponsor recirculation ballot day one	10th May 2016
RevCom June meeting submittal deadline	20th May 2016
3rd Sponsor recirculation ballot close date	24th May 2016
IEEE P802.3by comment resolution meeting	26th May 2016
RevCom June meeting	29th June 2016

Note: 3rd Sponsor recirculation ballot only if required.

IEEE P802.3by 25 Gb/s Ethernet
to RevCom (conditional)

Motion

The IEEE 802 LMSC Executive Committee confirms the IEEE P802.3by 25 Gb/s Ethernet CSD responses available at the URL <http://ieee802.org/3/by/P802_3by_CSD.pdf > and grants conditional approval to forward IEEE P802.3by to RevCom

M: Law S: D'Ambrosia
Y: ??, N: ??, A: ??

Working Group vote
Y: 92, N: 0, A: 0

ME 5.109: IEEE P802.3bz 2.5G/5GBASE-T PHY to Sponsor ballot (conditional)

IEEE P802.3bz 2.5G/5GBASE-T PHY to Sponsor ballot (conditional)

Item 1: Date the ballot closed

The 1st Working Group recirculation ballot on IEEE P802.3bz draft D2.0 closed on 1st March 2016 at 23:59 AoE

Item 2: Vote tally

	Initial Draft D2.0			Req %
	#	%	Status	
Abstain	14	10	PASS	< 30
Disapprove with comment	0	-	-	-
Disapprove w/o comment	0	-	-	-
Approve	125	100	PASS	≥ 75
Ballots returned	139	67	PASS	> 50
Voters	208	-	-	-
Comments	219	-	-	-

IEEE P802.3bz 2.5G/5GBASE-T PHY to Sponsor ballot (conditional)

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

There are no remaining disapprove votes

Item 4: Recirculation ballot and resolution meeting schedule

1st Working Group recirculation ballot day one	28th March 2016
1st Working Group recirculation ballot close date	11th April 2016
IEEE P802.3bz comment resolution meeting	14th April 2016
2nd Working Group recirculation ballot day one	21st April 2016
2nd Working Group recirculation ballot close date	5th May 2016
IEEE P802.3bz comment resolution meeting Week of	23rd May 2016

Note: 2nd Working Group recirculation ballot only if required.

IEEE P802.3bz 2.5G/5GBASE-T PHY to Sponsor ballot (conditional)

Motion

The IEEE 802 LMSC Executive Committee confirms the IEEE P802.3bz 2.5G/5GBASE-T PHY CSD responses available at the URL <http://ieee802.org/3/bz/802d3_NGEABT_CSD_802.3_WG_approved_12-march-15.pdf> and grants conditional approval to forward IEEE P802.3bz to Sponsor ballot

M: Law S: D'Ambrosia
Y: ??, N: ??, A: ??

Working Group vote
Y: 93, N: 0, A: 1

MI 6.101: IEEE 802.3 Ethernet YANG models Study Group

IEEE 802.3 Ethernet
YANG models Study Group

Motion

The IEEE 802 LMSC Executive Committee grants approval for the formation of the IEEE 802.3 Ethernet YANG models Study Group within IEEE 802.3

M: Law, S: D'Ambrosia
Y: ??, N: ?, A: ?

57 CFI attendees, 19 interested in participating

Working Group vote:
Y: 71 N: 0 A: 4

*MI 6.102: IEEE 802.3 50 Gb/s Ethernet over a single-lane, next generation 100 Gb/s and 200 Gb/s Ethernet Study Group (1st extension)

IEEE 802.3 50 Gb/s Ethernet over a single-lane, next generation 100 Gb/s and 200 Gb/s Ethernet Study Group (1st extension)

Motion

The IEEE 802 LMSC Executive Committee approves an extension to the IEEE 802.3 50 Gb/s Ethernet over a single-lane, next generation 100 Gb/s and 200 Gb/s Ethernet Study Group (1st extension)

M: Law S: D'Ambrosia
Y: ??, N: ??, A: ??

Working Group vote
Y: 82, N: 0, A: 0

*MI 6.103: IEEE 802.3 IEEE 802.3 200 Gb/s Ethernet single-mode Study Group (1st extension)

IEEE 802.3 IEEE 802.3 200 Gb/s Ethernet single-mode Study Group (1st extension)

Motion

The IEEE 802 LMSC Executive Committee approves an extension to the IEEE 802.3 IEEE 802.3 200 Gb/s Ethernet single-mode Study Group (1st extension)

M: Law S: D'Ambrosia
Y: ??, N: ??, A: ??

Working Group vote
Y: 88, N: 0, A: 1

*MI 6.104: IEEE 802.3 25 Gb/s Ethernet PMD(s) for Single Mode Fiber Study Group (1st extension)

IEEE 802.3 25 Gb/s Ethernet PMD(s) for Single Mode Fiber Study Group (1st extension)

Motion

The IEEE 802 LMSC Executive Committee approves an extension to the IEEE 802.3 25 Gb/s Ethernet PMD(s) for Single Mode Fiber Study Group (1st extension)

M: Law S: D'Ambrosia
Y: ??, N: ??, A: ??

Working Group vote
Y: 74, N: 0, A: 0

ME 7.111: Submission of IEEE Std 802.3-2015 for adoption by ISO/IEC JTC1 SC6

Submission of IEEE Std 802.3-2015 for adoption by ISO/IEC JTC1 SC6

The IEEE 802 Executive Committee approves the submission of IEEE Std 802.3-2012 for adoption by ISO/IEC JTC1 SC6 under the PSDO agreement

M: Law, S: D'Ambrosia
Y: ??, N: ??, A: ??

Working Group vote:
Y: 89, N: 0, A: 1