

IEEE 802.3 motions

Closing IEEE 802 EC

Friday 13th November 2015

ME 5.011: New PAR: IEEE P802.3ca 25 Gb/s, 50 Gb/s, and 100 Gb/s Passive Optical Networks

IEEE P802.3ca 25 Gb/s, 50 Gb/s, and 100 Gb/s Passive Optical Networks

Title

Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for 25 Gb/s, 50 Gb/s, and 100 Gb/s Passive Optical Networks

Scope of project

The scope of this project is to amend IEEE Std 802.3 to add physical layer specifications and management parameters for symmetric and/or asymmetric operation at 25 Gb/s, 50 Gb/s, and 100 Gb/s MAC data rates on point-to-multipoint passive optical networks with distance and split ratios consistent with those defined in IEEE Std 802.3-2015.

IEEE P802.3ca 25 Gb/s, 50 Gb/s, and 100 Gb/s Passive Optical Networks PAR and CSD responses

Need

The project is applicable to business and residential access environments. The project is needed to enable access network operators to provide advanced bandwidth-intensive services while reducing footprint of network equipment, simplifying service upgrades, reducing network upgrade cost, and reducing fiber deployment costs.

Draft PAR

<http://www.ieee802.org/secmail/pdfNeUomawRcV.pdf>

Draft CSD responses

http://ieee802.org/3/NGEPONSG/documents/100gepon_CSD.pdf

IEEE P802.3ca 25 Gb/s, 50 Gb/s, and 100 Gb/s Passive Optical Networks PAR and CSD responses

Motion

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

M: Law S: D'Ambrosia

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

Working Group votes on approval of individual items:

Project Authorization Request:	Y: 102,	N: 0,	A: 1
Managed objects:	Y: 102,	N: 0,	A: 1
Coexistence:	Y: 101,	N: 0,	A: 1
Broad Market Potential criterion:	Y: 101,	N: 0,	A: 3
Compatibility criterion:	Y: 100,	N: 0,	A: 1
Distinct Identity criterion:	Y: 99,	N: 0,	A: 1
Technical Feasibility criterion:	Y: 100,	N: 0,	A: 1
Economic Feasibility criterion:	Y: 99 ,	N: 0,	A: 2

ME 5.012: New PAR: IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane and Short Reach Copper

IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane and Short Reach Copper PAR and CSD responses

Title

Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for 2.5 Gb/s and 5 Gb/s Operation over Backplane and Copper Cables

Scope of project

The scope of this project is to specify additions to and appropriate modifications of IEEE Std 802.3 to add 2.5 Gb/s and 5 Gb/s Physical Layer (PHY) specifications and management parameters for operation over channels such as backplanes and twinaxial copper cables consistent with current storage interconnect applications within a single rack.

IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane and Short Reach Copper PAR and CSD responses

Need

There is a greater bandwidth need than the current 1 Gb/s Ethernet connectivity over backplane and copper cable that serves rotational storage devices ("Hard Disk Drives", HDDs). The object based HDD market is expected to grow significantly to meet the growing cloud storage demand and the existing 1 Gb/s solution is already bandwidth limited. While existing 10 Gb/s and higher speed solutions fulfill the bandwidth need for HDD's, they do not lend themselves to optimized system cost. The sustained bandwidth needs for HDD are on the order of 2.5 Gb/s to 5 Gb/s and this new standard will provide an optimized system cost vs. performance solution in this growing market segment

Draft PAR

http://ieee802.org/3/CU4HDDSG/P802_3cb_PAR_280915a.pdf

Draft CSD responses

<http://ieee802.org/3/CU4HDDSG/CU4HDD%20SG-CSD-v1-2.pdf>

IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane and Short Reach Copper PAR and CSD responses

Motion

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

M: Law S: D'Ambrosia

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

Working Group votes :

Project Authorization Request: Y: 54, N: 0, A: 2

Criteria for standards development: Y: 58, N: 0, A: 2

**ME 5.013: IEEE P802.3bp
1000BASE-T1 to Sponsor ballot
(conditional)**

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

Item 1: Date the ballot closed

The 1st Working Group recirculation ballot on IEEE P802.3bp draft D2.1 closed on 23rd October 2015 at 23:59 AoE

Item 2: Vote tally

	Initial Draft D2.0			1 st Recirculation Draft D2.1			Req %
	#	%	Status	#	%	Status	
Abstain	16	11	PASS	16	11	PASS	< 30
Disapprove with comment	17	-	-	0	-	-	-
Disapprove w/o comment	0	-	-	0	-	-	-
Approve	115	87	PASS	143	100	PASS	≥ 75
Ballots returned	148	53	PASS	159	57	PASS	> 50
Voters	278	-	-	278	-	-	-
Comments	315	-	-	139*	-	-	-

* Includes 13 comments received after close of ballot

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

Item 3: Comments that support the remaining disapprove votes and WG responses
None (100% approval)

Item 4: Recirculation ballot and resolution meeting schedule

2nd Working Group recirculation ballot day one	18 th November 2015
2nd Working Group recirculation ballot close date	2 nd December 2015
IEEE P802.3bp comment resolution meeting	10 th December 2015
3rd Working Group recirculation ballot day one	17 th December 2015
3rd Working Group recirculation ballot close date	10 th January 2016
IEEE P802.3bp comment resolution meeting	Week of 17 th January 2016

Note: 3rd Sponsor recirculation ballot only if required

IEEE P802.3bp 1000BASE-T1 to Sponsor ballot (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 Sponsor ballot

M: Law S: D'Ambrosia

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

Working Group vote

Y: 119, N: 0, A: 0

**ME 5.013: IEEE P802.3bq
25G/40GBASE-T to Sponsor ballot
(conditional)**

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

Item 1: Date the ballot closed

The 3rd Working Group recirculation ballot on IEEE P802.3bq draft D2.3 closed on 31st October 2015 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	#	%	Status	
Abstain	37	25	PASS	36	24	PASS	32	20	PASS	30	18	PASS	< 30
Dis with comment	20	-	-	20	-	-	15	-	-	4	-	-	-
Dis w/o comment	1	-	-	0	-	-	0	-	-	0	-	-	-
Approve	93	82	PASS	99	83	PASS	117	88	PASS	136	91	PASS	≥ 75
Ballots returned	151	55	PASS	155	56	PASS	164	59	PASS	170	62	PASS	> 50
Voters	274	-	-	274	-	-	274	-	-	274	-	-	-
Comments	489	-	-	119	-	-	111	-	-	149	-	-	-

Note: 25GBASE-T added to project scope after 2nd recirculation ballot, hence 3rd recirculation was 30 days with entire draft in scope

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

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

5 unresolved negative comments from 3 commenters

See <<http://ieee802.org./secmail/pdfqgPxn9bm89.pdf>>

Item 4: Recirculation ballot and resolution meeting schedule

4th Working Group recirculation ballot day one	18 th November 2015
4th Working Group recirculation ballot close date	2 nd December 2015
IEEE P802.3bq comment resolution meeting	11 th December 2015 (morning)
5th Working Group recirculation ballot day one	17 th December 2015
5th Working Group recirculation ballot close date	10 th January 2016
IEEE P802.3bq comment resolution meeting	Week of 17 th January 2016

Note: 5th Working Group recirculation ballot only if required

IEEE P802.3bq 25G/40GBASE-T to Sponsor ballot (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 Sponsor ballot

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

Working Group vote
Y: 115, N: 0, A: 3

**ME 5.015: IEEE P802.3br
Interspersing Express Traffic to
Sponsor ballot (conditional)**

IEEE P802.3br Interspersing Express Traffic to Sponsor ballot (conditional)

Item 1: Date the ballot closed

The second 1st Working Group recirculation ballot on IEEE P802.3br draft D2.3 closed on 7th November 2015 at 23:59 AoE

Item 2: Vote tally

	First initial Draft D2.0			First 1 st Recirc Draft D2.1			Second initial Draft D2.2			Second 1 st Recirc Draft D2.3			Req %
	#	%	Status	#	%	Status		%		#	%	Status	
Abstain	51	37	FAIL	49	34	FAIL	32	22	PASS	33	22	PASS	< 30
Dis with comment	16	-	-	15	-	-	7	-	-	6	-	-	-
Dis w/o comment	1	-	-	0	-	-	0	-	-	0	-	-	-
Approve	72	81	PASS	81	84	PASS	109	93	PASS	115	95	PASS	≥ 75
Ballots returned	140	50	PASS	145	52	PASS	148	53	PASS	154	55	PASS	> 50
Voters	275	-	-	275	-	-	279	-	-	32	-	-	-
Comments	387	-	-	116	-	-	51	-	-	32	-	-	-

IEEE P802.3br Interspersing Express Traffic to Sponsor ballot (conditional)

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

12 unresolved negative comments from 5 commenters

See: <<http://ieee802.org./secmail/pdf3l3VcEKpQQ.pdf>>

Item 4: Recirculation ballot and resolution meeting schedule

2nd Working Group recirculation ballot day one	23rd November 2015
2nd Working Group recirculation ballot close date	7th December 2015
IEEE P802.3br comment resolution meeting	10th December 2015 (afternoon)
3rd Working Group recirculation ballot day one	17th December 2015
3rd Working Group recirculation ballot close date	10th January 2016
IEEE P802.3br comment resolution meeting	Week of 17th January 2016

Note: 3rd Working Group recirculation ballot only if required.

IEEE P802.3br Interspersing Express Traffic to Sponsor ballot (conditional)

Motion

The IEEE 802 LMSC Executive Committee confirms the IEEE P802.3br Interspersing Express Traffic CSD responses (grandfathered 5 Criteria responses) available at the URL http://ieee802.org/3/br/8023-DMLT-SG-1311-Winkel-5C_Approved.pdf and grants conditional approval to forward IEEE P802.3br to Sponsor ballot

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

Working Group vote
Y: 97, N: 3, A: 19

**ME 5:016: IEEE P802.3by 25 Gb/s
Ethernet to Sponsor ballot
(unconditional)**

IEEE P802.3by 25 Gb/s Ethernet to Sponsor ballot (unconditional)

Item 1: Date the ballot closed

The 2nd Working Group recirculation ballot on IEEE P802.3by draft D2.2 closed on 5th November 2015 at 23:59 AoE

Item 2: Vote tally

	Initial Draft D2.0			1 st Recirculation Draft D2.1			2 nd Recirculation Draft D2.2			Req %
	#	%	Status	#	%	Status		%		
Abstain	8	6	PASS	8	6	PASS	8	5	PASS	< 30
Dis with comment	23	-	-	11	-	-	3	-	-	-
Dis w/o comment	0	-	-	0	-	-	0	-	-	-
Approve	111	82	PASS	139	92	PASS	151	98	PASS	≥ 75
Ballots returned	142	51	PASS	158	56	PASS	162	58	PASS	> 50
Voters	278	-	-	278	-	-	278	-	-	-
Comments	240	-	-	109	-	-	11	-	-	-

IEEE P802.3by 25 Gb/s Ethernet to Sponsor ballot (unconditional)

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

10 unresolved negative comments from 3 commenters

See: <<http://ieee802.org/secmail/pdfJJOAqHvozH.pdf>>

4 unresolved negative comments on 2nd recirculation were restatements

No changes made to the draft

Item 4: Recirculation ballot and resolution meeting schedule

Not applicable

IEEE P802.3by 25 Gb/s Ethernet to Sponsor ballot (unconditional)

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 Sponsor ballot

M: Law S: D'Ambrosia

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

Working Group vote

Y: 105, N: 0, A: 2

**ME 5.017: IEEE P802.3bn EPON
Protocol over Coax (EPoC) to
Sponsor ballot (conditional)**

IEEE P802.3bn EPON Protocol over Coax (EPoC) to Sponsor ballot (conditional)

Item 1: Date the ballot closed

The 1st Working Group recirculation ballot on IEEE P802.3bn draft D2.1 closed on 29th October 2015 at 23:59 AoE

Item 2: Vote tally

	Initial Draft D2.0			1 st Recirculation Draft D2.1			Req %
	#	%	Status	#	%	Status	
Abstain	25	18	PASS	26	18	PASS	< 30
Disapprove with comment	9	-	-	2	-	-	-
Disapprove w/o comment	0	-	-	0	-	-	-
Approve	109	92	PASS	120	98	PASS	≥ 75
Ballots returned	143	51	PASS	148	53	PASS	> 50
Voters	278	-	-	278	-	-	-
Comments	524	-	-	133	-	-	-

IEEE P802.3bn EPON Protocol over Coax (EPoC) to Sponsor ballot (conditional)

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

17 unresolved negative comments from 2 commenters

See: <<http://ieee802.org./secmail/pdfaEeDaqBksH.pdf>>

Item 4: Recirculation ballot and resolution meeting schedule

2nd Working Group recirculation ballot day one	23 rd November 2015
2nd Working Group recirculation ballot close date	7 th December 2015
IEEE P802.3bn comment resolution meeting	16/17 th December 2015
3rd Working Group recirculation ballot day one	22 nd December 2015
3rd Working Group recirculation ballot close date	15 th January 2016
IEEE P802.3bn comment resolution meeting	Week of 17 th January 2016

Note: 3rd Sponsor recirculation ballot only if required

IEEE P802.3bn EPON Protocol over Coax (EPoC) to Sponsor ballot (conditional)

Motion

The IEEE 802 LMSC Executive Committee confirms the IEEE P802.3bn EPoC CSD responses (grandfathered 5 Criteria responses) available at the URL <http://ieee802.org/3/bn/5Criteria.pdf> and grants conditional approval to forward IEEE P802.3bn to Sponsor ballot

M: Law S: D'Ambrosia

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

Working Group vote

Y: 122, N: 0, A: 0

MI 6.011: IEEE 802.3 50 Gb/s Ethernet over a single lane Study Group

IEEE 802.3 50 Gb/s Ethernet over a single lane Study Group

Motion

The IEEE 802 LMSC Executive Committee grants approval for the formation of the IEEE 802.3 50 Gb/s Ethernet over a single lane Study Group within IEEE 802.3

M: Law, S: D'Ambrosia

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

Working Group vote:

Y: 74, N: 0, A: 2

MI 6.012: IEEE 802.3 Next generation 100 Gb/s and 200 Gb/s Ethernet Study Group

IEEE 802.3 Next generation 100 Gb/s and 200 Gb/s Ethernet Study Group

Motion

The IEEE 802 LMSC Executive Committee grants approval for the formation of the IEEE 802.3 Next generation 100 Gb/s and 200 Gb/s Study Group within IEEE 802.3

M: Law, S: D'Ambrosia

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

Working Group vote:

Y: 74, N: 0, A: 2

MI 6.013: IEEE 802.3 25Gb/s Ethernet PMD(s) for single mode fiber Study Group

IEEE 802.3 25Gb/s Ethernet PMD(s) for single mode fiber Study Group

Motion

The IEEE 802 LMSC Executive Committee grants approval for the formation of the IEEE 802.3 25Gb/s Ethernet PMD(s) for single mode fiber Study Group within IEEE 802.3

M: Law, S: D'Ambrosia

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

Working Group vote:

Y: 68, N: 0, A: 4

***MI 6.014: IEEE 802.3 Next
Generation Ethernet Passive Optical
Network (NG-EPON) Study Group
(1st extension)**

IEEE 802.3 Next Generation Ethernet Passive Optical Network (NG-EPON) Study Group (1st extension)

Motion

The IEEE 802 LMSC Executive Committee approves an extension to the IEEE 802.3 Next Generation Ethernet Passive Optical Network (NG-EPON) Study Group (1st extension)

M: Law S: D'Ambrosia

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

Working Group vote

Y: 101, N: 0, A: 2

***MI 6.015: IEEE 802.3 2.5 Gb/s and
5 Gb/s Backplane and Short Reach
Copper Study Group (1st extension)**

IEEE 802.3 2.5 Gb/s and 5 Gb/s Backplane and Short Reach Copper Study Group (1st extension)

Motion

The IEEE 802 LMSC Executive Committee approves an extension to the IEEE 802.3 2.5 Gb/s and 5 Gb/s Backplane and Short Reach Copper Study Group (1st extension)

M: Law S: D'Ambrosia

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

Working Group vote

Y: 55, N: 0, A: 1

**ME 6.016: IEEE 802.3 Next
Generation Enterprise/Campus/Data
Center Ethernet Industry
Connections Activity Initiation
Document (ICAID)**

IEEE 802.3 Next Generation Enterprise/Campus/Data Center ICAID

Motion

The IEEE 802 Executive Committee endorses the IEEE 802.3 Next Generation Enterprise/Campus/Data Center ICAID found in http://ieee802.org/3/ad_hoc/ngrates/ICAID_a_15_1110.pdf

M: Law, S: D'Ambrosia

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

Working Group vote:

Y: 70, N: 0, A: 0

ME 7.014: Liaison of IEEE Std 802.3bw-2015 to ISO/IEC JTC1 SC6

Liaison of IEEE Std 802.3bw-2015 to ISO/IEC JTC1 SC6

Motion

The IEEE 802 LMSC Executive Committee approves the draft liaison letter to ISO/IEC JTC1 SC6 to liaise IEEE Std 802.3bw-2015 100BASE-T1.

The draft liaison letter, approved by the IEEE 802.3 Working Group with editorial license granted to the IEEE 802.3 Working Group Chair, can be found at

<http://www.ieee802.org/3/minutes/nov15/outgoing/IEEE_802d3_to_ISOIEC_JTC1_SC6_1115_draft.pdf>.

M: Law, S: D'Ambrosia

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

Working Group vote:

Y: 108, N: 0, A: 3