

Chief Editor's report

Matt Brown

Applied Micro

P802.3by Editor-In-Chief

IEEE P802.3by Task Force

May 2015

Meet the team...

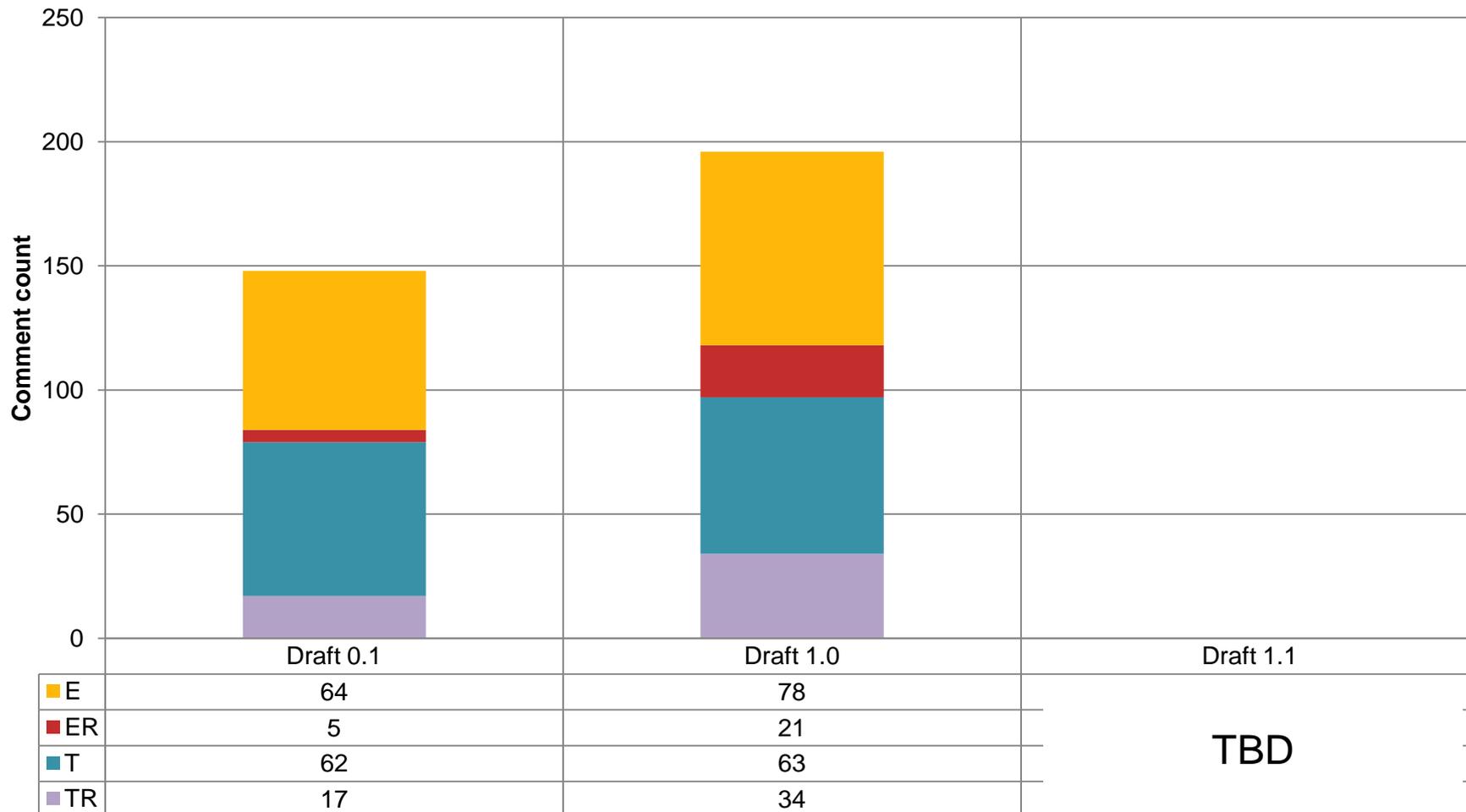
Editor	Clauses
Matt Brown Editor-in-Chief	Front, 1, 69, 93A, 105, 109, 109A, 109B, 109C
Arthur Marris	4, 4A, 30, 31B, 45, 73, 74, 106, 107
Adee Ran	108, 110, 111
Chris Diminico	110 (CA/MDI), 110A, 110B, 110C
Jonathan King	112

Activities since March 2015 meeting

- Draft 1.0 task force review opened April 14.
- Draft 1.0 task force review closed on May 1.
- 196 comments received from 24 reviewers
 - no late comments
 - 2 comments withdrawn, so far
- Proposed responses prepared by editors posted May 11.

Comment history – P802.3by Task Force review

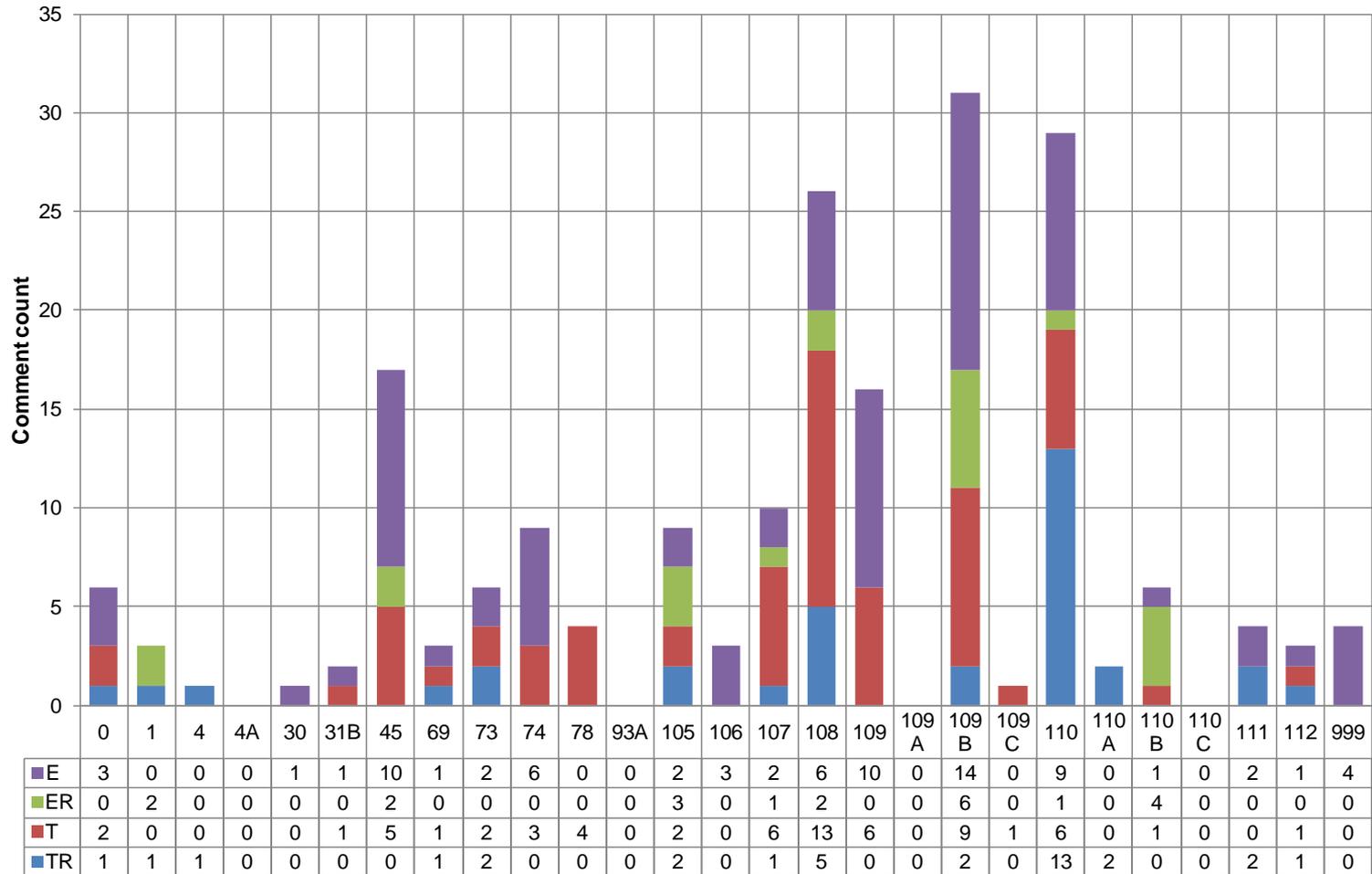
IEEE P802.3by Task Force Review



ER and TR denote that the commenter feels strongly about the comment.

Comment Summary by Clause

IEEE P802.3byD1.0 Task Force Review



ER and TR denote that the commenter feels strongly about the comment.

Objectives for this meeting

- Respond to all comments against Draft 1.0.
- Generate Draft 1.1 for 3rd Task Force review.

Comment resolution agenda

Subject to change

Agenda, Subject to Change

Topic
Clause 112 [2]
25GBASE-CR/CR-S BTI presentations (1PM Wednesday)
Clause 110, 110A, 110B, 110C, 111 [41]
Clauses 000, 001, 069 [11]
Clause 105 [8]
RS-FEC BTI presentations (9AM Thursday)
Clause 108 [33]
25G-AUI C2M presentations (1PM Thursday)
Annex 109B [23]
Clause 78, 106, 107 [15]
Clauses 004A, 030, 045, 073, 074 [21]
Clause/Annex 109, 109C [13]

Big Ticket Items (BTI)

Clause	Topic	Comment #	Count
108	Remove CWMs, LPI signaling	171*, 169, 69, 179, 180, 178, 70, 75, 38, 76, 74	10
110, 111, 110A	Cable reach / COM and related test parameters	92, 93, 86, 87, 89, 120, 91, 149, 88, 90, 150	11

Legend: [CC] = cross-clause, "*" = pivot comment

Cross-clause (CC) topics

Clause	Topic	Comment #	Count
45, 74	Use of the term "Single-lane PHY"	9*, 85	2
78, 107	EEE timing parameters for 25G	71, 72*, 73, 98	4
45, TOC	Rename section title to "Single-lane" to remove 10GBASE-R	176	1
74, 107	Hi_ber count definition for 25G (consider presentation by Adee Ran)	112, 164, 111, 58, 59	5
110, 105	25GBASE-CR-N PHY	116, 117, 115, 119	1
110, 111, 73	FEC resolution	166	1
	Total		

Legend: [CC] = cross-clause, "*" = pivot comment

Clause 000, 1, 69, 93A comments

Clause	Topic	Comment #	Count
000	Remove “-” from 25G-AUI and 25G-MII	105*, 193, 194	3
000	Live links instead of green text	192	1
000	Full name of referenced amendment	20	1
000	Synchronize text in legacy clauses with 802.3bx	197	1
000	Common term for CR/CR-S and KR/KR-S	53	1
1	Entry for 25G in compatibility interfaces	106	1
69	Text improvements	96	1
69	Embodiment includes BASE-R REC	100*, 135	2
	Total		11

Legend: [CC] = cross-clause, “*” = pivot comment

Clause 4, 30, 31B comments

Clause	Topic	Comment #	Count
4	Add reference to 25GMII in Note 4	107	1
30	Para 30.5.1.1.4 Page 30, line 6 the first two sentences appear confusing	94	1
31B	Increase time to react to a pause frame to 80 pause_quanta	37	1
	Total		3

Legend: [CC] = cross-clause, "*" = pivot comment

Clause 45 comments

Clause	Topic	Comment #	Count
45/74	Use of the term “Single-lane PHY” [CC]	9*, 85	2
45	Change “will insert” to “inserted”	21	1
45	Multiple references to "(see 91.5.3.3)"	175*, 5	2
45	Add: "(see 108.6.3)" to the end of the last sentence.	9	1
45	Bring in 45.2.1.103/104/106 and add ref. to CL108	174	1
45	Run-on sentence	95	1
45, TOC	Title of sections 45.2.1.94 and 45.2.1.95 [CC]	176	1
45	Import 45.2.1.96 and Table 45-76 “CAUI-4 chip-to-module recommended CTLE register” from the base standard	155	1
45	Make bit 7.48.7 "RS-FEC FEC negotiated"	36	1
45	Change “the” back to “these” in 45.2.7.12.2	3	1
	Total		12

Legend: [CC] = cross-clause, “*” = pivot comment

Clause 73, 74 comments

Clause	Topic	Comment #	Count
73	Delete "as the MDI and physical medium are different"	132	1
73	Add "10Gb/s per lane" to F0 and F1 definition in 73.6.5	136	1
73	text does not match what commenter expected	62	1
73	Do 25GBASE-KR-S and 25GBASE-CR-S PHYs support RS-FEC operation?	63	1
73	Reformat 73.6.5 by introducing two sub-sections	137	1
74	Remove the "may" - it isn't optional	84	1
74/107	Change text in 74.7.4.5 to indicate all 32 blocks of the code word have the SHs corrupted (need to consider Ade'e's hi_ber presentation) [CC]	58*, 59, 112, 164, 111	5
74	Sub Clause 74.7.4.8 needs to be modified to mention the Clause 107 PCS	79	1
74	Change the title of 74.8.1 back to FEC capability	11*, 138	2
	Total		14

Legend: [CC] = cross-clause, "*" = pivot comment

Clause 78, 107 comments

Clause	Topic	Comment #	Count
78	Make it clear that LPI PMA signaling is defined in 83.5.11	30	1
78/107	Tr (Duration of the refresh signal) value for 25G is incorrect [CC]	72*, 71, 98	3
78	Correct timing parameters for 25G in Table 78-4	73	1
107/74	Hi_ber count definition for 25G (consider presentation by Adee Ran rather than have a pivot comment) [CC]	112, 164, 111, 58, 59	5
107	Create new subclause 107.2.3 based on "82.2.11 Test-pattern generators"	173	1
107	Improve description of EEE fast wake operation	78*, 172, 60	3
107	"these state diagrams" is unnecessary	170	2
106	Wording	14*, 133	2
	Total		15

Legend: [CC] = cross-clause, "*" = pivot comment

Clause 105 comments

Clause	Topic	Comment #	Count
105	Add 109B to Table 105-2	6, 110	2
105	Text "25GBASE-CR FEC" incorrect	64	1
105	25GBASE-CR-S PMD mandatory for 25GBASE-CR PHY	158	1
105	PMA layer shown twice	162	1
	Total		5

Legend: [CC] = cross-clause, "*" = pivot comment

Clause 108 comments

Clause	Topic	Comment #	Count
108	Remove CWMs (Note: may affect bucket)	171*, 169	2
108	LPI signaling: Rapid CWMs	69, 179*, 180, 178, 70	5
108	LPI signaling: bypass scrambler	75, 38*, 76, 74	4
108	CWM (general)	68, 77	2
108	hi_ser	80, 35	2
108	Others	31, 99, 80, 35, 168	5
108	Semi-bucket	29, 7, 97	3
	Total		23

Legend: [CC] = cross-clause, "*" = pivot comment

Clause 109 comments

Clause	Topic	Comment #	Count
109	Remove “per input lane”	159, 109	2
109	Local loopback conditional not optional	52	1
109	“bit stream” not “one stream”	39	1
109	SIGNAL_OK paragraph incorrect and redundant	32	1
109	EEE state transition wording improvement	40	1
109	Change 109.4.1 to be 109.5	152	1
109	PICS PC1 delay from 4 PMA stages	33	1
109	Remove redundant sentence	42	1
109	Remove reference to “link status”	153	1
109	“receive process” not “transmit process”	151	1
109	PICS	34	1
109	Sentence is missing text?	161	1
109C	Label the “module” in Figure 109C-4	67	1
	Total		14

Legend: [CC] = cross-clause, “*” = pivot comment

Annex 109B, 109C comments

Clause	Topic	Comment #	Count
109B	BER shall not actionable	128	1
109B	BER 1E-6 with RS-FEC FLR better than 6.2E-10	8	1
109B	Call out SFP compliance boards	142	1
109B	1E-6 host interface target	130	1
109B	Cross-references	124	1
109B	Change name “alternate measurement methodology”	125*,144	2
109B	Add BER to Table 109-1 and include acronyms	145*,129	2
109B	Ambiguity in CTLE per lane.	156	1
109B	Synchronize PICS with requirements	189	1
109B	Measure module BER	113,114	2
109B	Wording	122,123,188,143, 126,186,183,190	8
109B	“C2M 25G-AUI” not “25G-AUI C2M”	195	1
	Total		22

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Clause 110/111 and Annex 110A/B/C comments

Clause	Topic	Comment #	Count
110, 110A	Cable reach / COM and related receiver tests	92, 93, 86, 89*, 87, 120, 91, 149*, 88, 90, 150	11
110	Receiver tests (other)	146, 148, 131, 147	4
110	MDI	165, 157, 167, 54	4
110	Nomenclature	108, 116, 139	3
110, 111	FEC mode resolution	166, 65	2
110	Miscellaneous	118, 140	2
110B	Miscellaneous	101, 103, 104, 141	4
	Total		30

Legend: [CC] = cross-clause, "*" = pivot comment

Clause 112 comments

Clause	Topic	Comment #	Count
112	Compatible with 100GBASE-SR4	196	1
112	Incorrect cross-reference	55	1
	Total		2

Legend: [CC] = cross-clause, "*" = pivot comment

Withdrawn comments

Clause	Comment #	Count
000	108	1
109B	127	1
Total		2

Bucket Comments

Subject to change

Bucket (non-controversial) comments

Clause	Comment #	Count
000	66	1
31B	25	1
45	23, 24, 28, 1, 22, 2, 9	7
73	4	1
74	10, 12	2
105	56	1
106	13	1
107	57	1
108	29, 61, 177, 163, 26, 45	6
109	41, 27, 160	3
109B	121, 18, 184, 185, 191, 181, 182, 154,	8
110	15, 49, 16, 46, 134, 47, 17, 48	8
111	50, 51	2
110B	44, 102, 101	3
112	43	1
999	19, 81, 83, 187	4
Total		50