

Editor's report

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IEEE P802.3bj Task Force
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Meet the team...

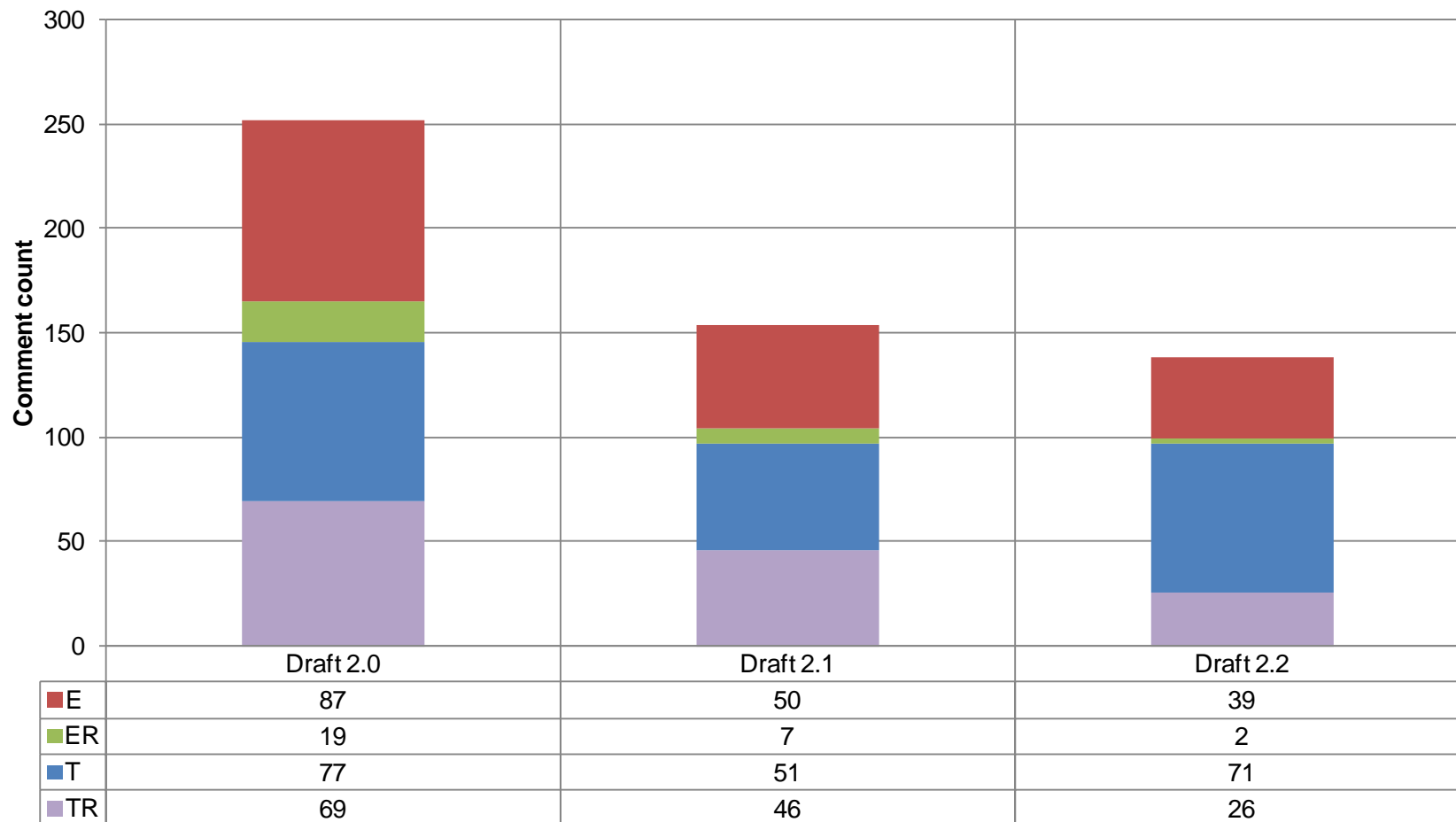
Editor	Edited
Hugh Barrass	Clauses 30, 45, 74, 78–85, Annexes 83A, 83C
Matt Brown	Clauses 1, 69, 73
Chris DiMinico	Clause 92, Annex 92A
Adam Healey	Clauses 91, 93, Annexes 91A, 93A, 93B
Arthur Marris	Clause 94, Annex 93C

Activities since July 2013 meeting

- Draft 2.2 ballot opened August 9.
- Draft 2.2 ballot closed on August 23.
- 138 comments received from 18 participants
 - 3 late comments received
 - 1 comment withdrawn
- Proposed responses prepared by editors posted August 30th.

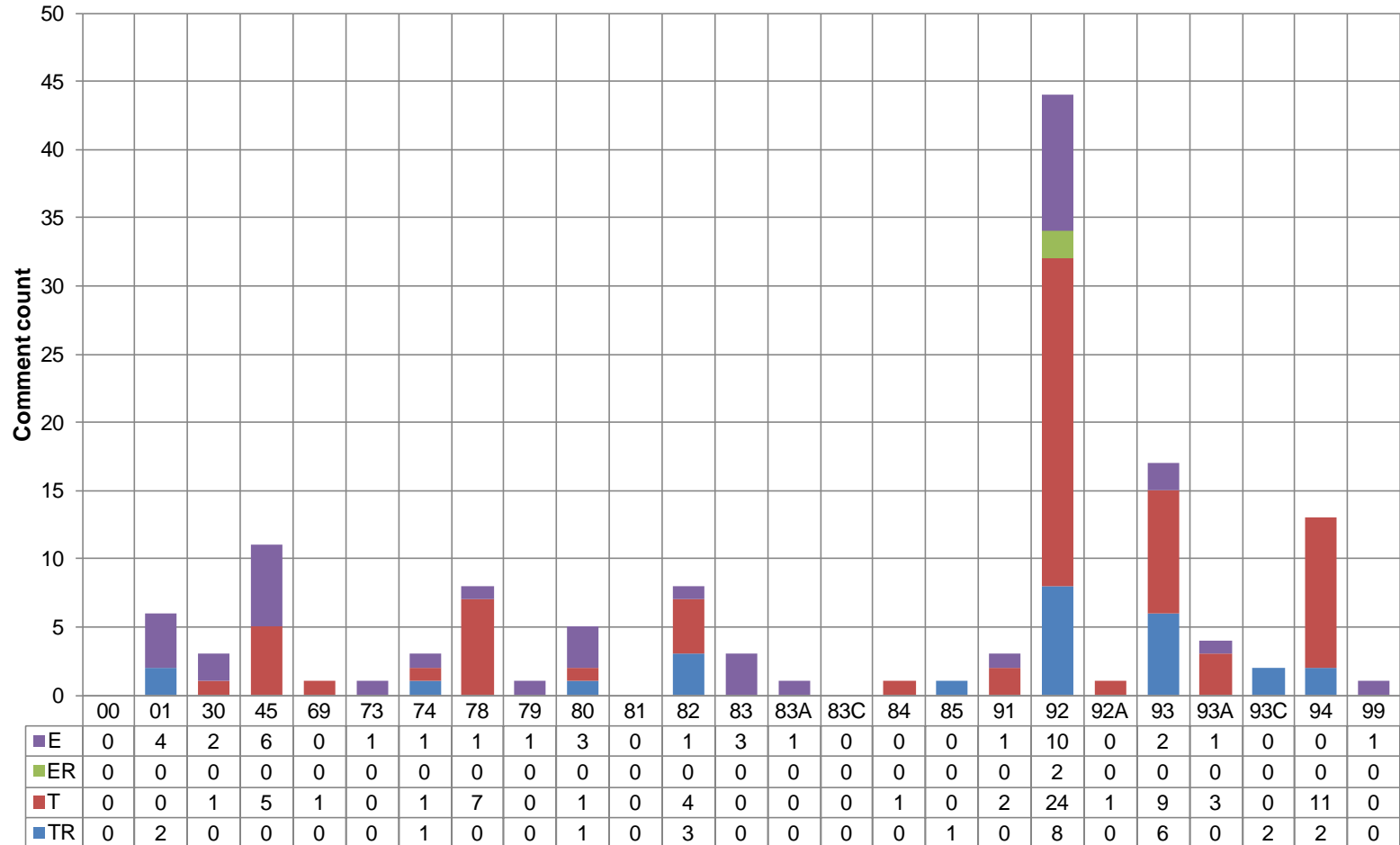
Comment history – Working Group Ballot

IEEE P802.3bj Working Group Ballot



Comment Summary by Clause

IEEE P802.3bjD2.2 Working Group Ballot



ER and TR denote that the commenter indicated the comment must be satisfied in order to change a “do not approve” vote to an “approve” vote.

Objectives for this meeting

- Respond to all comments against Draft 2.2
- Generate Draft 2.3 for 3rd Working Group recirculation ballot

Comment resolution agenda

Subject to change

Agenda, Subject to Change

Topic
Clauses 00, 01, 69, 73, 99
Clauses 30, 45, 74, 78–85; Annexes 83A, 83C
Clause 91
Big Ticket Item: SNDR
Clause 92, Annex 92A
Clause 93
Clause 94
Annex 93A
Annex 93C

Clause 00, 01, 69, 73, 99 comments

Clause	Topic	Comment ID	#
01	Deep sleep and fast wake definition	<u>43</u> (CC: 78), <u>44</u>	2
01	Deep sleep and fast wake capitalization	17, 18	2
69	Inclusion of 1 m reach	38	1
	Total		5

Legend: (OOS) = Out of scope, (CC) = cross-clause, underline indicates “must be satisfied” (ER or TR) comment

Clause 30

Topic	Comment #
FEC mgmt	141 (OOS)

Clause 45

Total - 1

Topic	Comment #
Editing instructions	1
FEC mgmt	126, 26, 60 (OOS*)
Bit order	128
EEE mgmt	37

Total - 6

Clause 74

Topic	Comment #
EEE primitives	<u>52</u> , 145

Total - 2

“TR & ER” comments underlined

*Proposed reject due to scope

Clause 78

Topic	Comment #
Wording (OOS)	32 , 36*, 49*
EEE description (OOS)	50 *, 33 *, 34 marris_3bj_01_0912
EEE negotiation (OOS)	35 (CC: CL45)

Total - 7

Clause 81 - None

Clause 80/ 82

Topic	Comment #
EEE primitives (OOS)	<u>48</u> *
Skew	25
Variable	<u>40</u>
LPI state (OOS)	<u>42</u> , <u>39</u> , 30*, 51*, 31 marris_3bj_01_0912

Total - 8

“TR & ER” comments underlined

* Proposed reject due to scope

Clause 83/84/85

Topic	Comment #
EEE primitives (83)	76
EEE primitives (84/85)	28
EEE tx_mode values (85)	<u>41</u>

Total - 3

“TR & ER” comments underlined

Clause 91

#	Topic	Comments
1	FEC:IS_RX_LPI_ACTIVE.request	29
1	Per lane FEC alignment (resolve with 60)	61
2	Total	

Legend: (OOS) = Out of scope, (CC) = cross-clause, underline indicates “must be satisfied” comment

Big Ticket Item: SNDR

Topic	Comments	#
Measurement method for SNDR	<u>122</u> , 136, <u>129</u> , 156 (late), 154 (late), <u>121</u> , 149, <u>123</u> , 155 (late)	9
COM model for SNDR	64, 153	2
SNDR limits 100GBASE-CR4 100GBASE-KR4 100GBASE-KP4	<u>139</u> , 84 <u>124</u> 147	4
Transmitter far-end noise for 100GBASE-CR4 (likely will be deleted after SNDR settled)	62, 77, <u>88</u>	3
Clean-up (PICS etc.)	<u>90</u> , 59, 85	3
Total #		21
Presentations:	moore_3bj_01_0913, ran_3bj_01_0913, moore_3bj_02_0913	

Legend: (OOS) = Out of scope, (CC) = cross-clause, underline indicates "must be satisfied" comment

Clause 92

Cl's	Topic	Comments
92	92.10 incorrect reference	<u>81</u> , 132
92	92.10.7 Placement of COM requirement	<u>131</u> , 53
92	92.8.3.1 Linear fit pulse peak	<u>89</u> , 58
92	92.10.7.1.1 – PCB insertion loss for COM	<u>72</u> , 63
92	92.10.1 Cable assembly characteristic impedance (OOS)	<u>71</u>
92	92.8.3.10.2 DJ equation [CC]	<u>47</u>
92	92.8.3 Tx far-end noise (OOS)	56
92	92.8.4.5 RS-FEC symbol error ratio [CC, OOS]	86 , 54
92	92.2 Deep sleep [CC] and PICS (OOS)	144, 143
(92	92.7.12 Response time [CC]	113, 83 lusted_3bj_01_0912
92	92.7.12 MDIO text [CC]	116
	Total #	18

Legend: (OOS) = Out of scope, (CC) = cross-clause, underline indicates “must be satisfied” comment

Clause 92

Cl's	Topic	Comments
92	92.8.3.9 ISI span of the transmitter and its noise contribution. [CC]	84
92	92.8.4.4 SJ value and RJ definition	87
92	92.8.3.5 Transition time (OOS)	107
92	92.8.4.4.4 Tx filter (OOS)	108
92	92.8.3.10.2 Jitter measurement method [CC]	118
92	92.10.3 Cable assembly return loss (OOS)	55
92	92.8.3.7.2 Equalizer text	45
92	92.8.3.1 Optional EEE text [CC]	46
92	92.10.7.1 Signal path index	79
92A	92A.7 frequency spacing (OOS)	82
	Total #	10

Legend: (OOS) = Out of scope, (CC) = cross-clause, underline indicates "must be satisfied" comment

Clause 93

#	Topic	Comments
1	PMD control response time (CC: 113, 83, and 115)	114 lusted_3bj_01_0913
1	Reference test fixture insertion loss (CC)	<u>110</u>
1	Signal measurement bandwidth (CC)	<u>109</u>
2	Out-of-scope editorial (OOS)	119, 120
1	Conflicting signal level requirements (OOS)	69
1	COM parameters	125 kochuparambil_3bj_01_0913
7	Total	

Legend: (OOS) = Out of scope, (CC) = cross-clause, underline indicates “must be satisfied” comment

Annex 93A

#	Topic	Comments
2	Out-of-scope editorial (OOS)	67, 68
1	Transmission line model valid frequency range	66
3	Total	

Legend: (OOS) = Out of scope, (CC) = cross-clause, underline indicates “must be satisfied” comment

Clause 93C

#	Topic	Comments
1	Return loss of ITOL test system (OOS) (CC 93/94)	<u>140</u>
1	Add SNDR to steps 5 and 8 of test (OOS)	<u>70</u>
2	Total	

Legend: (OOS) = Out of scope, (CC) = cross-clause, underline indicates “must be satisfied” comment

Clause 94

#	Topic	Comments
1	Add PMA:IS_RX_TX_MODE.indication to the service interface	65
1	PMD control response time (resolve with 113, 83, and 114) [lusted_3bj_01_0913.pdf]	115
1	Make it clear whether values are max or min in Table 94-13 (OOS)	148
1	Why was transition time subclause deleted from draft 2.1?	117
1	Use the term “level separation mismatch ratio” consistently.	137
2	Transmitter noise in ITOL test (SNDR)	150, <u>138</u>
1	Change “bit streams” to “encoded symbol streams” in PMD service interface (OOS)	152
1	Correct “Level separation mismatch ratio” in Table 94–17	151
9	Total	

Legend: (OOS) = Out of scope, (CC) = cross-clause, underline indicates “must be satisfied” comment

Bucket Comments

Subject to change

Bucket comments

Cl's	Topic	Comment #
01	List numbering based on 802.3bk	15
01	Definition clause references	16
73	Editing instructions	9
99	List 802.3bk in front matter	14
30, 45		7, 19, 111, 20, 2, 12, 127
74, 78, 79		21, 22,10
80, 82		13, 23, 24, 27, 11
83, 83A, 85		4, 5, 3
92/92A		8, 12, 130, 53, 133, 134, 135, 132, 106 (withdrawn)
91	How many primitives?	6
93	PICS alignment	142, 146
	Total #	34