Editor's report

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IEEE P802.3bj Task Force

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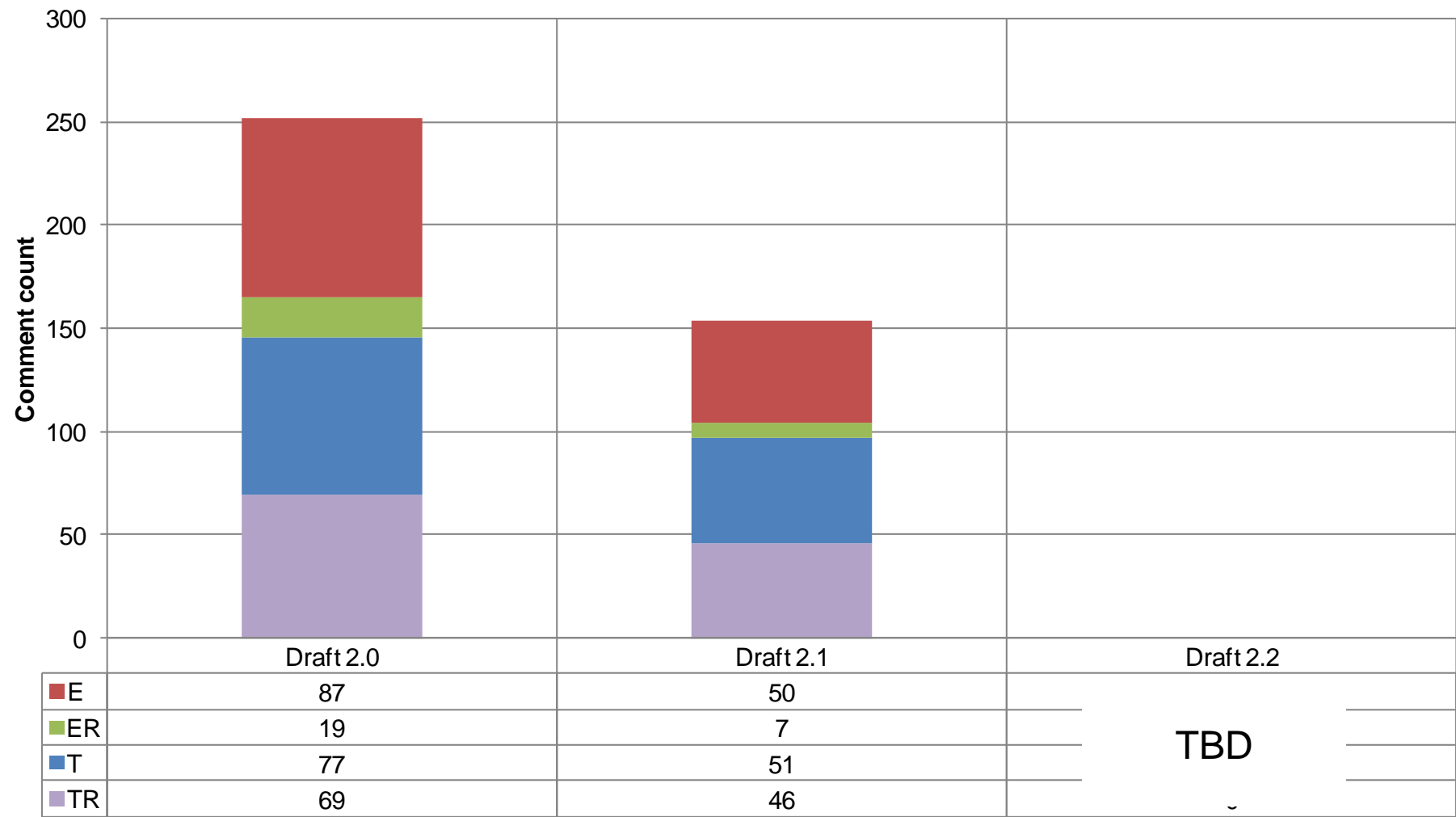
Editor	Edited
Hugh Barrass	Clauses 30, 45, 74, 78−85, Annexes 83A, 83C
Matt Brown	Clauses 1, 69, 73
Chris DiMinico	Clause 92, Annex 92A
Adam Healey	Clauses 91, 93, Annexes 91A, 93A, 93B
Arthur Marris	Clause 94, Annex 93C

Activities since May 2013 meeting

- Draft 2.1 ballot opened June 12.

- Draft 2.1 ballot closed on June 27.

- 154 comments received from 20 participants
  - 3 late comments received

- Proposed responses prepared by editors posted July 11.
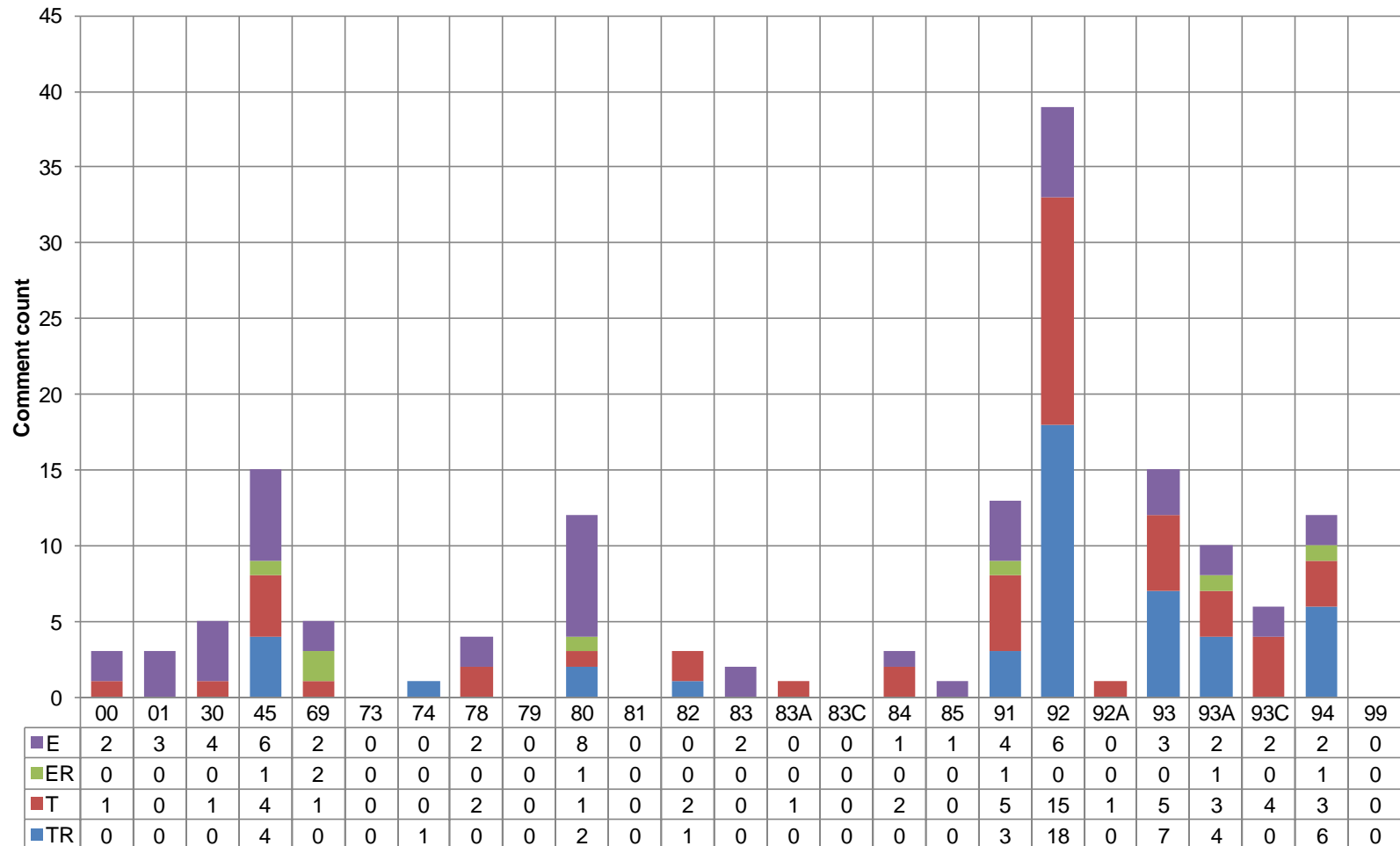
Comment history – Working Group Ballot

IEEE P802.3bj Working Group Ballot

	Draft 2.0	Draft 2.1	Draft 2.2
E	87	50	
ER	19	7	TBD
T	77	51	
TR	69	46	

Comment Summary by Clause

IEEE P802.3bj D2.1 Working Group Ballot

	00	01	30	45	69	73	74	78	79	80	81	82	83	83A	83C	84	85	91	92	92A	93	93A	93C	94	99
■E	2	3	4	6	2	0	0	2	0	8	0	0	2	0	0	1	1	4	6	0	3	2	2	2	0
■ER	0	0	0	1	2	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0
■T	1	0	1	4	1	0	0	2	0	1	0	2	0	1	0	2	0	5	15	1	5	3	4	3	0
■TR	0	0	0	4	0	0	1	0	0	2	0	1	0	0	0	0	0	3	18	0	7	4	0	6	0

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 2.1

• Generate Draft 2.2 for 2nd 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
Annex 93A
Annex 93C
Clause 92, Annex 92A
Clause 93
Clause 94

Legend: (OOS) = Out of scope, (CC) = cross-clause, <u>underline</u> indicates "must be satisfied" (ER or TR) comment

Clause 00, 01, 69, 73, 99 comments

Cls	Topic	Comments (4)	#
00	Skew test points [CC]	147 [OOS]	1
01	40GBASE-R definition	20	1
69	Backplane introduction editing changes style	<u>12</u>, <u>39</u>	2
	Total		4

Legend: (OOS) = Out of scope, (CC) = cross-clause, <u>underline</u> indicates "must be satisfied" (ER or TR) comment

Clause 45

Topic	Comment #	Preso?
Clause lists	<u>80</u>	
Align status	<u>60</u>, 117 [CC, affects CL91]	
Non-separated RS-FEC	<u>61</u>	
Pattern generator	<u>7</u> [CC, affects CL92]	
EEE capability	146	
Definitions	<u>154</u> [CC, affects CL01]	
	Total = 7	

Clause 74, 78

Topic	Comment #	Preso?
Wording	<u>62</u>	
Definitions	2	
Wake times	1	
	Total = 3	

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

Clause 80

Topic	Comment #	Preso?
Deleted subclause	<u>38</u>	
UI math	<u>64</u>	
Skew	<u>63</u>	
	Total = 3	

Clause 81, 83 - None
Clause 82

Topic	Comment #	Preso?
Definitions	3	
Misplaced text	43	
Down count	<u>65</u>	
	Total = 3	

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

Clause 83A

Topic	Comment #	Preso?
XLAUI/CAUI shutdown	110 (healey_3bj_01_0713)	Y
	Total = 1	

Clause 84

Topic	Comment #	Preso?
Wording	138	
Table order	126	
FEC primitives	109	
	Total = 3	

Clause 85 - None

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

Clause 91

#	Topic	Comments
1	Service interface (OOS)	104
2	AM replacement in transmit path	<u>66</u>, 118
1	rx_xcoded<j> case description (OOS)	<u>125</u>
1	FEC lane identification	119
1	EEE deep-sleep capability (OOS)	<u>67</u>
2	Management inconsistency	4, <u>5</u> (CC)
1	PICS	14
9	**Total**	

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

Clause 92

Cls	Topic	Comments
92	COM cable assembly – revise text	121, <u>51</u> ,108
92	COM cable assembly – ICN	*46* , <u>49</u> , <u>48</u> , <u>50</u>
92	COM cable assembly – 1mm coefficients	124
92	COM cable assembly – 3 dB host vs 6.26 dB	<u>77</u>
92	Test fixture specifications (OOS)	142, <u>132</u> (diminico_3bj_01_0713))
92	PMD Tx function - 92.7.12 status of frame_lock_i [CC, affects CL93]	94
92	PMD Tx function 92.7.12 - Unique polynomial_i values [CC]	<u>68</u>
92	PMD Tx function 92.7.12 – preclude seed_i set to 0X000 [CC, affects CL93]	<u>79</u>
92	Test system bandwidth (OOS) [CC, affects CL93]	130 (dawe_3bj_01_0713)
92	Tx output noise (OOS) [CC, affects CL93 and CL94]	115
	Total = 16	

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

Clause 92

Cls	Topic	Comments
92	Jitter methodology to define jitter and jitter test patterns (OOS) [CC]	122, <u>123</u>, 127, <u>129</u> , 116, <u>128</u> (zivny_3bj_01_0713)
92	Jitter nouns (OOS)	<u>131</u>
92	92.8.3.6 scrambled idle with RS-FEC encoding (OOS)	145
92	92.8.3.7 computing coefficients c(-1), c(0), and c(1)	<u>99 (moore_3bj_01_0713)</u>
92	3 dB reference receiver (OOS)	143 (dawe_3bj_01_0713)
92	Cable assembly ILD	107, 144, <u>47</u>
92	92.8.4.4 RS-FEC symbol error ratio	96
92	Cable assembly COM receiver interference tolerance test	<u>76</u>
92	Revise 92.9 and 92.10 to addresses missed changes to CL92/92A (D2 to D2.1)	120, <u>45</u>
92A	COM Value [CC]	70
	Total = 18	

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

Clause 93

#	Topic	Comments
1	Reference test fixture (OOS)	<u>133</u> (CC)
1	Tx common-mode return loss (OOS)	<u>151</u>
3	Interference tolerance parameters	<u>55</u>, [<u>54</u>, 71]
3	Test patterns	<u>85</u>, <u>86</u>, 105
2	COM limit	~~112~~ (withdrawn), <u>78</u>
1	Ball or board capacitance?	72 (resolve 73 against 93A first)
1	Noise spectral density for COM	83 (CC)
12	**Total**	

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

Annex 93A

#	Topic	Comments
1	Variable names (OOS)	<u>81</u>
1	Proper nouns (OOS)	148 (late)
1	Device package model for NEXT aggressor	<u>98</u> (moore_3bj_02_0713.pdf)
2	Ball or board capacitance?	<u>73</u>, <u>74</u>
2	1 mm trace model	69 (benartsi_3bj_01_0713), <u>152</u>
1	Subclause heading	91
1	Transmitter noise model	84 [CC: affects CL94 #87/97] (ran_3bj_01_0713)
1	Bin size for amplitude histograms	82
10	**Total**	

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

Annex 93C

#	Topic	Comments
1	Transmitter bandwidth in ITOL testing	150 (late)
2	Is 93C informative or normative? [CC]	106, 149 (late)
1	Receiver does not pass under all stress conditions	93
1	Move transmission of receiver test pattern after training	95
1	Cross talk effects during transmitter calibration	89
6	**Total**	

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

Clause 94

#	Topic	Comments
1	Number of bits in alert training pattern wrong	44
1	Change common-mode return loss	153 (CC, same as #51/CL93)
3	Far-end output noise is redundant and obsolete	92, 52, 87 (ran_3bj_01_0713)
1	SNDR requirements	97 (ran_3bj_01_0713)
1	COM value for receiver testing	53
1	Should COM really be 3db?	~~113~~ (withdrawn)
1	Description of Cb in table 93A-1 in Annex 93A	75 (CC, related to #73/AN93A)
1	PICS	15
10	**Total**	

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

Bucket Comments

Subject to change

Bucket comments #1

Cls	Topic	Comments (4)
00		25, 102
01		21, 56,
69		18, 19, 6
73		None
99		None
30		16, 22, 23, 24, 57
45		26, 27, 40, 41, 58, 59, 135, 136
78		17, 139
80		8, 10, 11, 28, 29, 30, 31, 42, 137
83		32, 103
85		35
	Total this slide	34

Bucket comments #2

CIs	Topic	Comments (4)
91	Minor editorial	9, 33
91	alphabetical ordering of variables (OOS)	100
91	PICS	13
92		34,36,114,141,134,140
92A		None
93	Missing hyperlinks	88, 101, 90
93C	93C – duplicate, editorial, late comment	149
94	Missing links	37
94	Change reference from "Annex 93A" to "93A.1"	111
	Total this slide	16
	Total both slides	50