

Editor's report

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

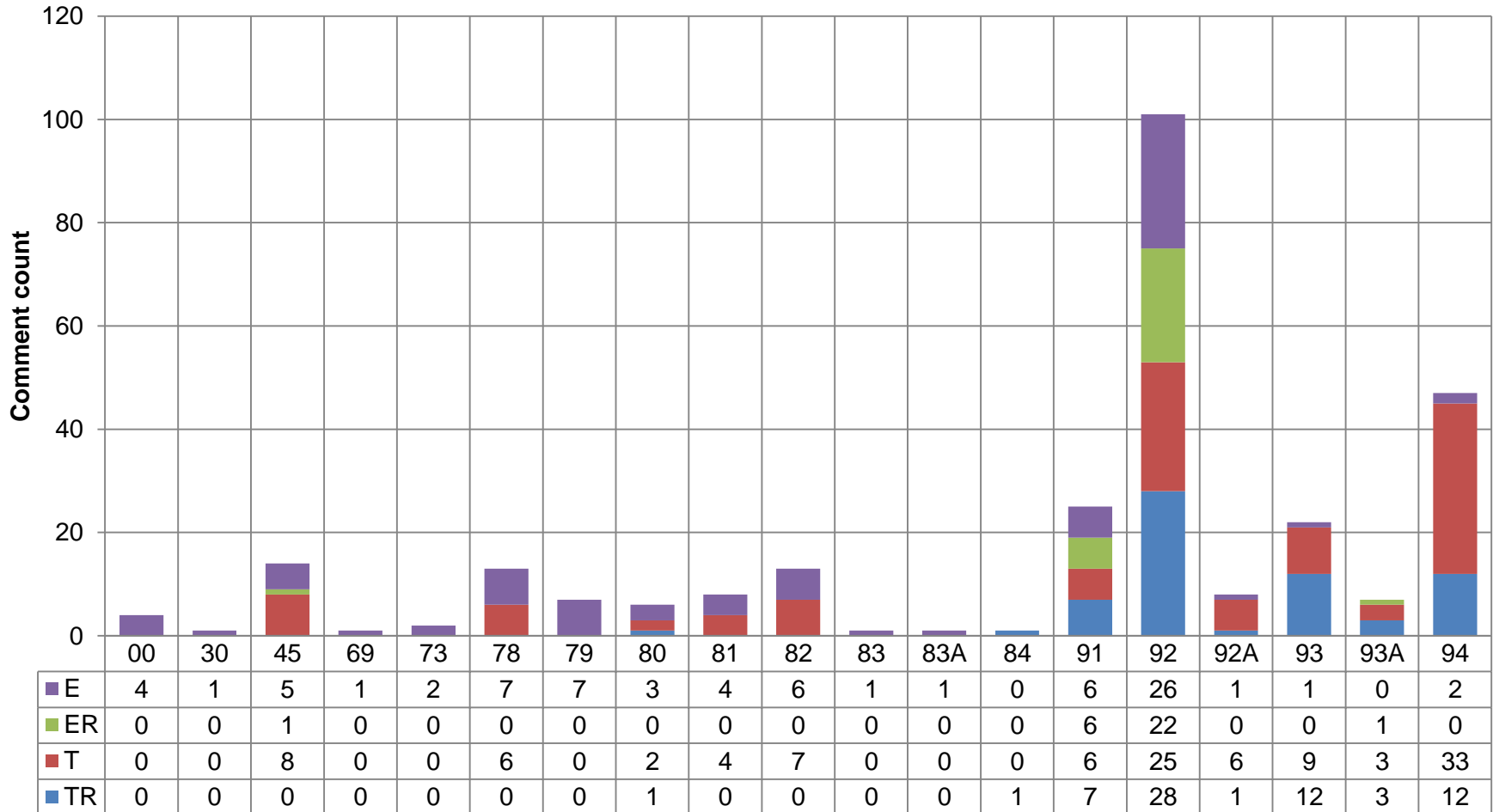
Editor	Edited
Hugh Barrass	Clauses 30, 45, 74, 78–85, Annexes 83A, 83C
Matt Brown	Clause 94
Chris DiMinico	Clause 92, Annex 92A
Adam Healey	Clauses 1, 69, 73, 91, 93, Annexes 91A, 93A, 93B

Activities since November 2012 meeting

- Draft 1.3 posted 17 December 2012
- Task Force review closed 4 January 2013
- 282 comments from 20 participants
 - 1 late comment received
 - 5 comments withdrawn
- Proposed responses submitted by the editorial team

Comment summary: 174 T(R), 108 E(R)

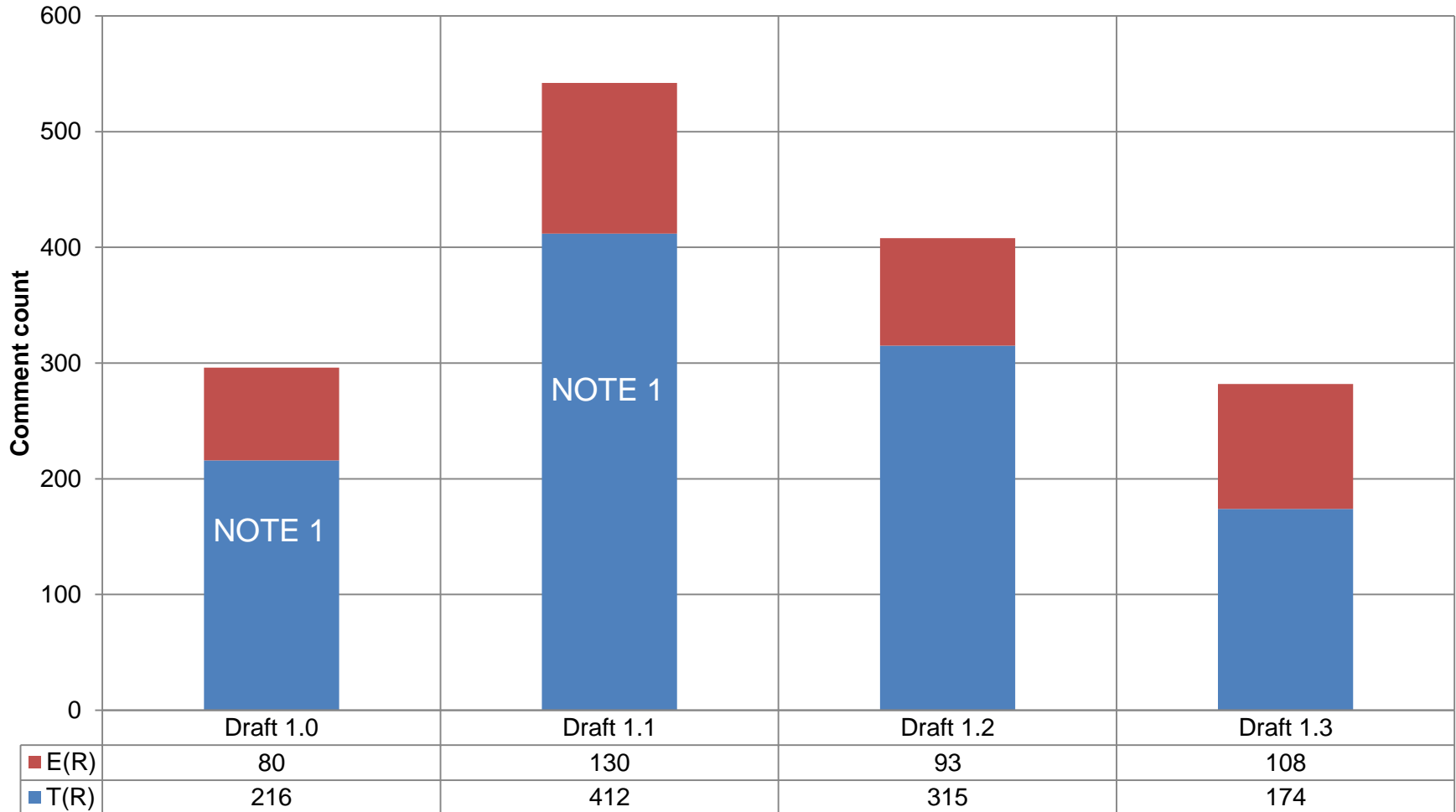
IEEE P802.3bj D1.3 4th Task Force review



“R” (required) denotes that the commenter indicated the comment must be satisfied in order to change a “do not approve” vote to an “approve” vote. Since Task Force review is not a ballot, these comments will be processed as though they were technical (T) or editorial (E) as appropriate.

Comment history

IEEE P802.3bj Task Force review



NOTE 1: 43 unresolved comments were carried over from Draft 1.0 and considered against Draft 1.1.

Objectives for this meeting

- Respond to all comments against Draft 1.3
- Generate Draft 1.4 and initiate 5th Task Force review
- Work toward a complete draft with no open technical issues

Comment resolution agenda

Subject to change

“Big ticket” items

Topic	93 (6)	93A (3)	94 (10)
TP0a/TP5a return loss	129, 132, 128, 139, 104	38*, 36*, 29	
Interference tolerance	35		33, 270, 269, 34, 21, 226*, 223, 20, 19, 224

Topic	78 (2)	82 (1)
OTN	115, 116	117*

Topic	91 (7)
Error indication	18*, 205 , 241, 110 , 281, 158, 212

Consider comments marked with “*” first.

“Cross-clause” items

Topic	80 (2)	92 (2)
Delay	204, 210	206, 215

Topic	92 (14)	93 (6)	94 (7)
Clause order	100		
Test system bandwidth, “Thomson”	22, 25, 187	27	
Jitter, p-p or sigma	120, 124	121, 123	
Jitter, constrain DJ	119	118	
Even-odd jitter definition	149, 106		
Effective random jitter definition	278		
Min. transition time	136	135	122, 216, 131, 91, 222*, 24
PCS support for AN	191		
Skew Variation	248	264	245
PMD Transmit and Receive functions	185		

Consider comments marked with “*” first.

“Cross-clause” items, continued

Topic	92 (15)	93 (2)	94 (4)
EEE, PMD Transmit with tx_mode=ALERT	186		
EEE, PMD_signal_detect_i	142		
EEE, Global_PMD_transmit_disable	143		
EEE, transmitter activation time	207, 239, 275, 88, 251, 249	89	
“AC common-mode”	102		
Common-mode return loss		137	138
Test system noise calibration	146, 148		
Normative test pattern generators	145, 150		
Redundant return loss equations		107	
Definition of BER target	183		
Jitter tracking			140, 109, 133

Clause 45

Cls	Topic	Comments (6)
	fec_align_status	8
	Register width	242
	Bit order	74, 86, 75, 87

Clause 78

Cls	Topic	Comments (1)
	Mode definitions	10

Clause 80

Cls	Topic	Comments (3)
	Diagrams	103
	Cross-reference	82, 83

Clause 81

Cls	Topic	Comments (6)
	xref	84, 11, 78, 85, 12, [Late: 282]

Clause 82

Cls	Topic	Comments (1)
	Timer values	13

Clause 84

Cls	Topic	Comments (1)
	Alert wording	214

Clause 91

Cls	Topic	Comments (13)
	Transcoding equations	243
	am_rxpayloads definition	211
	Definition of ram_valid	80, 1
	Subclause order	101
	FEC_uncorrected_cw_counter	247
	Bit order	178, 179, 180
	Subclause organization	157
	Detection of uncorrectable codewords	111
	State diagram	244, 98

Clause 92

Cls	Topic	Comments (13)
	Square wave test pattern, definition, reference	23, 26
	Rx return loss, reference	134
	92.1 Phy layer description	184
	92.10.2 – CA IL coefficients	255,195
	92.8 and 92.10 host and CA common-mode parameters	108
	92.10.2 – CA IL min	196
	92.10.3 CA ILD	112
	MDI Table 92-14 power, Aux, pins	261
	AC coupling	151,194
	peak value of p(k)	147

Annex 92A

Cls	Topic	Comments (7)
	92A Align COM with 93	227, 273, 96
	Equation 92A-1 not consistent with the TP0 to TP2 loss	130
	92A.5 CA 0.5m cable (minimum insertion loss)	246
	92A.5 Max IL MTF	272
	92A.7 Channel ILD	274

Clause 93, Annex 93A

Cl s	Topic	Comments (93:3, 93A:4)
93	PMD performance when correction bypassed	263
93	Transmitter measurement point	127
93	COM limit	240
93A	ISI variance equation	28, 30
93A	Normalization of integrals	31
93A	Hyperlink to COM implementation	97

Clause 94

Cls	Topic	Comments (19)
	PMA EEE	218*, 94, 219, 220
	PMA OH registers	228*, 90
	PMA local loopback	230
	PMD TX tap control	17*, 16*
	PMD alert frame transition diagram	221, 95*
	PMD alert frame control channel	233*, 232*
	PMD TX peak of p(k) (driver bandwidth)	229*, 268
	PMD TX SDR	113*, 114*
	PMD TX transmit process	231
	Channel	225*

Consider comments marked with “*” first.

“Bucket-worthy”

Cls	Topic	Comments (T:54)
00	Editing instruction, hyperlinks, preferred spellings, trailing zeros	39, 67, 50, 66 [Total = 4]
30		40
45		41, 6, 7, 70, 279, 73, 42, 9 [Total = 8]
69	RS-FEC nomenclature	43
73	Non-breaking hyphen, editing instructions	44, 45
78		49, 71, 46, 47, 81, 72, 2, 48, 76, 77 [Total = 10]
79		51, 52, 53, 54, 56, 55, 57 [Total = 7]
80		58
81	Editing instructions	59, 60
82		61, 235, 234, 79, 63, 14, 4, 15, 5, 62, 3 [Total = 11]
83		64
83A		69
91	Variable/function name confusion, statement of units, PICS	280, 65, 181, 213, 159 [Total = 5]

“Bucket-worthy”, continued

ClIs	Topic	Comments (92:57)
92	Eq 92-15 – discontinuity, error	125, 126
92	Typo's, errors, formatting, text placement, clarifications in text	182, 160, 166 , 170, 257, 152, 258, 259, 208, 260, 198, 175, 174, 199, 200, 262, 201, 202, 156, 154, 177, 141, 237, 161, 162, 238, 188, 163, 190, 192, 193, 68, 236 [Total = 33]
92	name to "differential peak-to-peak voltage (max)"	189
92	Equation description	167, 168, 197
92	Use of RMS	171, 172
92	Test fixture reference IL	169*
92	Delete editors notes – 92 and 92A	256, 92, 93
92	Text in 92.12	173
92	PICS	203, 153, 209, 155, 176 [Total = 5]
92	Tx amplitude EEE	250
92	Insertion loss TP0 to TP2 or TP3 to TP5	252, 164
92	Figure 92-7 – replace 4Rx with terminations	253
92	Change sign in Equation 92-7	276
92	Change reference 72.6.10.2 to 92.7.12	254

“Bucket-worthy”, continued

Cls	Topic	Comments (92A:1, 93:5, 94:7)
92A	Test point references 92A.2 and 92A.3	165
93	Reference to 92.8.3.6	105
93	Standards language	99
93	Withdrawn	37, 240, 277
94		217, 144, 265, 266, 267
94	Withdrawn	32, 271

Clean-up

Consider comments not included in any other group