

Chief Editor's opening report

Pete Anslow, Ciena, P802.3bs Chief Editor

IEEE P802.3bs Task Force, Whistler, Canada, May 2016

Editorial team

Pete Anslow, Ciena

- Chief Editor and Editor for Clauses FM, 00, 1, 4, 30, 45, 78, 116, A, 4A, 31B, 93A, 120B, 120C

Mark Gustlin, Xilinx

- Editor for Clauses 117, 118, 119, 119A

Steve Trowbridge, Alcatel-Lucent

- Editor for Clause 120, 120A

Jonathan King, Finisar

- Editor for Clause 121

Peter Stassar, Huawei

- Editor for Clauses 122, 123

Andre Szczepanek, Inphi

- Editor for Annexes 120D, 120E

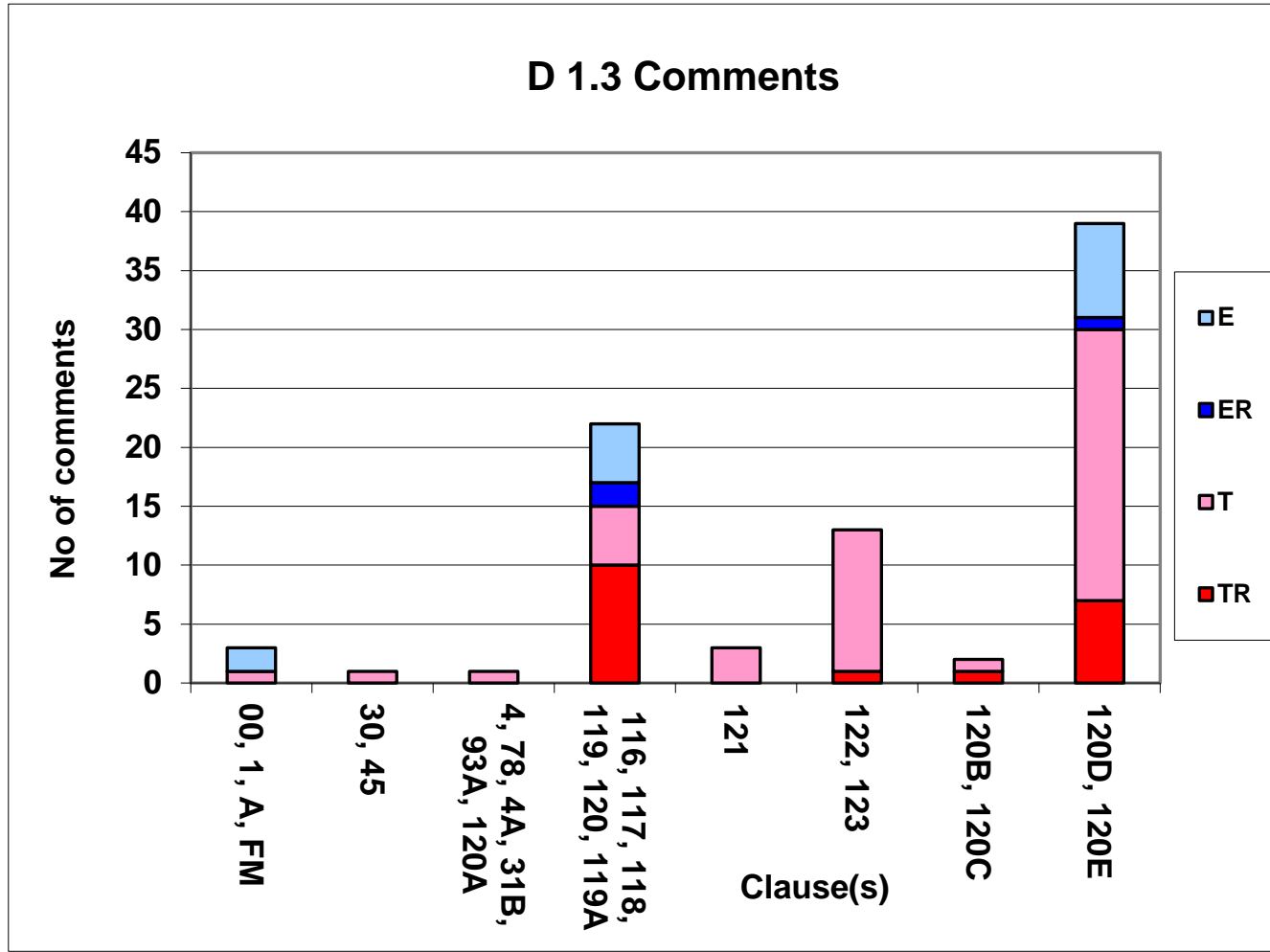
Status

P802.3bs D1.3 Task Force review

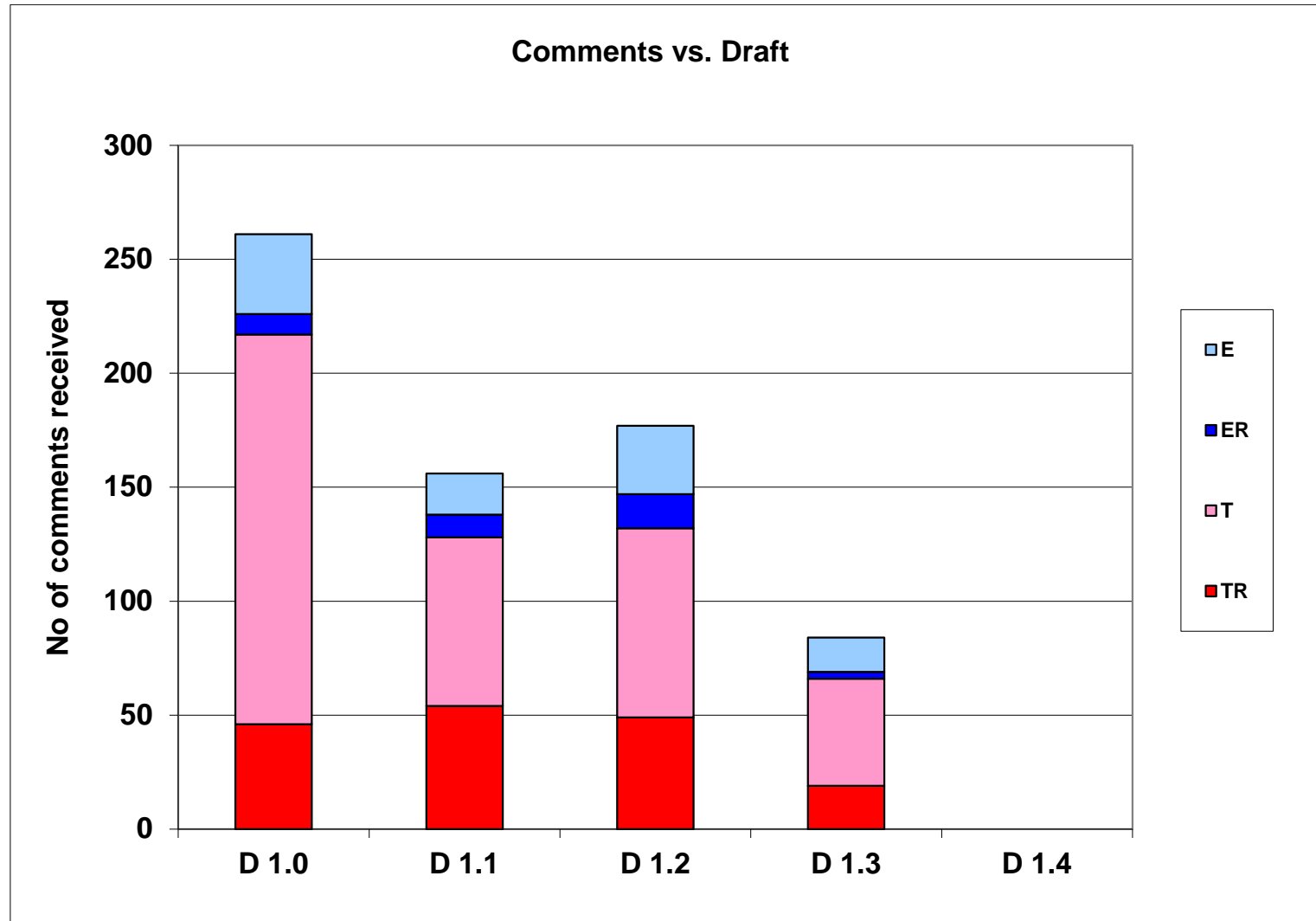
- Opened 9 April 2016, closed 28 April 2016
- 20 day comment period
- 84 comments received
- Thanks to those who commented
- Proposed responses posted

Description	Clause(s)	TR	T	ER	E	Total
Front matter, Intro	00, 1, A, FM		1		2	3
Management	30, 45		1			1
Misc	4, 78, 4A, 31B, 93A, 120A		1			1
Intro, RS, PCS, PMA	116, 117, 118, 119, 120, 119A	10	5	2	5	22
MMF PMD	121		3			3
SMF PMDs	122, 123	1	12			13
CDAUI-16	120B, 120C	1	1			2
CDAUI-8	120D, 120E	7	23	1	8	39
Total comments		19	47	3	15	84

Comment distribution



Comment history



Meeting goals

Resolve comments against Draft 1.3

- Comment resolution agenda in later slides
- Any presentations associated with comments will be reviewed during comment resolution session
- T and TRs will be treated with same status, no signoff is required
- E and ERs will be treated with same status, no signoff is required

Editors have identified non-controversial comments as candidates for a bucket motion. These comments will not be reviewed individually, but will be resolved as proposed via a single motion.

The initial list of comments for the bucket motion is on slide 12 (also marked “Bucket” in comments file, please review this and ask for a comment to be taken off the list if you don’t agree with the proposed response.

Comment resolution

- The comments on the following slides will be resolved in sessions of the P802.3bs Task Force starting on 26 May.
 - Page 8 in Task Force on Thursday morning
 - Page 9 in Logic track on Thursday
 - Page 10 in Optics track on Thursday
 - Page 11 in Electrical track on Thursday
- The order in which the comments are reviewed and the schedule are **subject to change**
- Comments bracketed together with [] cover a common topic
 - Where a comment number is coloured blue it contains the proposed response for the group of comments
- Comments with underline (e.g., 300) have associated hyperlinked presentations.

Comments across clauses (2 comments) target Thu am

- 14 pre-FEC degrade
- 62 BER

Clause 1 (1 comment) target Thu am

- 57 Interfaces

Clause 116 (1 comment) target Thu am

- 5 Skew

Annexes 31B, 120B, 120D, 120E (6 comments) target Thu am

- 56 Pause
- 65, 70, [71, 72] AC-coupling
- 46 PCS Name

Clause 118 (2 comments) Logic track

- 11
- 13

Management
PICS

Clause 119 (3 comments) Logic track

- [[48](#), 16]
- 47

PRBS9 in AMs
PICS

Annex 119A (3 comments) Logic track

- [[17](#), 2, 4]

Example tables

Clause 120 (6 comments) Logic track

- 6
- 9, 63
- 7, 8, 10

MMDs
Test patterns
Misc.

Clause 121 (3 comments) Optics track

- 52, 53, 54

CRU B/W

Clauses 122, 123 (13 comments) Optics track

- 12, welch
- 50
- [88, 84], [89, 85], [82, 86], [83, 87], 64
- 58
- 51

TDECQ

Test pattern

Reflections

RIN

Skew

Annex 120D (10 comments) Electrical track

- 68, 19, 34
- [[42](#), 67], [32](#), [33](#)
- 44
- [18](#), [45](#)

Annex 120E (18 comments) Electrical track

- 20
- 73, 21, [43](#), 22, [[24](#), 74], 23
- 26, 27, 76, 77
- 78, 29
- 80, 81, 79, 25

General

Transmitter

CRU B/W

COM related

Intro

Module output

Host input

Module input

Measurement

Comments for bucket motion (16 comments)

- 28, 35, 36, 59
- 1, 15, 49
- 30, 66, 69, 75
- 3, 60, 61
- 31
- 55

Editorial

Typographical

Wording

Logic

CDAUI

Management

Open questions for PCS and PMA

- PMA sublayer delay constraints are “magenta”
- PMA generated test patterns
 - Refinement needed
- MMD Device Numbering
 - Can we reduce to four maximum PMA instances per end since there is no stand alone FEC separate from the PCS?

Open questions for 400GBASE-DR4/FR8/LR8 (PAM4 optics)

- TDP (Transmitter and Dispersion Penalty) is used to control transmitter eye quality and spectral characteristics for single-mode PMDs such as 100GBASE-LR4.
 - Proposal for TDECQ in king_3bs_01_0516
- Stressed receiver sensitivity
 - Proposal for SRS in king_3bs_01_0516
- Definition of OMA_{inner} for a PAM4 modulation format
 - Propose to refer everything to OMA_{outer}
- Difference in launch power between any two lanes (OMA_{outer}) (max) for FR8/LR8
 - Propose 4.4 dB/4.4 dB for FR8/LR8 Tx and 4.5 dB/4.9 dB for FR8/LR8 Rx
- RIN for FR8/LR8
 - Propose -136 dB/Hz

Thanks!