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

<table>
<thead>
<tr>
<th>Description</th>
<th>Clause(s)</th>
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<th>T</th>
<th>ER</th>
<th>E</th>
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Comment distribution

D 1.3 Comments

No of comments

Clause(s)

- 00, 1, A, FM
- 30, 45
- 4, 78, 4A, 31B, 93A, 120A
- 116, 117, 118, 119, 120, 119A
- 121
- 122, 123
- 120B, 120C
- 120D, 120E

Legend:
- E
- ER
- T
- TR
Comment history

Comments vs. Draft

No of comments received

D 1.0
D 1.1
D 1.2
D 1.3
D 1.4

E
ER
T
TR
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  Management
• 13  PICS

Clause 119  (3 comments) Logic track

• [48, 16]  PRBS9 in AMs
• 47  PICS

Annex 119A  (3 comments) Logic track

• [17, 2, 4]  Example tables

Clause 120  (6 comments) Logic track

• 6  MMDs
• 9, 63  Test patterns
• 7, 8, 10  Misc.
Clause 121  (3 comments) Optics track

• 52, 53, 54  

Clauses 122, 123  (13 comments) Optics track

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

CRU B/W  
TDECQ  
Test pattern  
Reflections  
RIN  
Skew
Annex 120D (10 comments) Electrical track

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

General
Transmitter
CRU B/W
COM related

Annex 120E (18 comments) Electrical track

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

Intro
Module output
Host input
Module input
Measurement
Comments for bucket motion (16 comments)

- 28, 35, 36, 59, Editorial
- 1, 15, 49, Typographical
- 30, 66, 69, 75, Wording
- 3, 60, 61, Logic
- 31, CDAUI
- 55, 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 $\text{OMA}_{\text{inner}}$ for a PAM4 modulation format
  • Propose to refer everything to $\text{OMA}_{\text{outer}}$

• Difference in launch power between any two lanes (OMAouter) (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!