

Chief Editor's Report

Matt Brown, Huawei, 802.3ck Editor-in-Chief
P802.3ck Editorial Team

P802.3ck Task Force
November 2019

Editorial Team

Editor	Duties
Matt Brown	Chief Editor, C2M/C2C AUI annexes, legacy clauses
Arthur Marris	Clauses 30/45/73 and other legacy clauses
Howard Heck	Clause 162 (CR), Annex 93A
Chris Diminico	Clause 162 (CR) cable assembly subclauses/annexes
Phil Sun	Clause 163 (KR)
Mark Gustlin	Clause 161 New 100G FEC (if adopted)
Jeff Slavick	Advisor and reviewer for logic clauses
Mike Dudek	Advisor and reviewer for CR/KR/AUI clauses
Adee Ran	Advisor and reviewer for CR/KR/AUI clauses

Please keep these guys in the loop as you develop your baseline specifications.

Activities Since September 2019 Meeting

- 11 baseline specification documents have been adopted.
 - <http://www.ieee802.org/3/ck/public/baselines/index.html>
 - In September, the following baseline was adopted:
 - C2C AUI
- Draft 0.4 has been implemented as a preliminary view of the draft.

Draft 0.4

- A copy has been posted on the 802.3ck web site private area.
- There will be no formal review.
- Amendments to most legacy clauses have been implemented.
 - Annex 93A is being updated per CR, KR, C2M, and C2C adopted baselines.
- Status of new clauses and annexes is summarized on Slide 5.
- Updates from Draft 0.3 to 0.4 include:
 - Updated Annex 93A to include floating taps
 - Updated amended (legacy) clauses to synchronize with other amendments
 - Updated Clause 162/163 based on review feedback
 - Updated Annex 120F based on new C2C baseline
 - Removed Annex 120G which was a placeholder for C2C-S
 - Renumbered Annex 120H (C2M) to 120G, due to removal of Annex 120G from D0.3

Draft Structure Assumptions

- Reusing current PCS, FEC, PMA
 - Potential for new 100G FEC for 100GBASE-CR1/KR1
- New CR PHY
- New KR PHY
- New C2C AUI
 - Based on C2C baseline we are supporting only one C2C type
- New C2M AUI
- First new clause number is 161 as provided by Adam Healey

New Clauses and Annexes

#	Clause/Annex Subject	Status
120F	100G/200G/400G C2C-L AUI	Partial baseline adopted, implemented
120G	100G/200G/400G C2M AUI	Partial baseline adopted, implemented
161 ¹	New 100G FEC	No baseline adopted
162	100G/200G/400G CR PMD	No general baseline adopted; training baseline adopted, implemented based on training baseline and editorial discretion
162A	100G/200G/400G CR test points, budget, etc.	No baseline adopted
162B	100G/200G/400G CR test fixtures	Baseline adopted, implemented
162C	100G/200G/400G CR MDIs	Baseline adopted, implemented
162D	100G/200G/400G CR CA form factors	No baseline adopted
163	100G/200G/400G KR PMD	Baseline adopted, implemented
Notes:		
<ol style="list-style-type: none"> There is potential that a new 100G FEC based on Clause 91 may be required for 100GBASE-CR1/KR1, and potential long-reach C2C. Currently adopted baselines are listed here: http://www.ieee802.org/3/ck/public/baselines/index.html 		

Amended Clauses and Annexes

#	Clause/Annex Subject	Potential Amendments
1	Definitions, abbreviations, etc.	New defs., abbrs., etc.
30	Management Objects	New content for 100G/200G/400G
45	MDIO Interface registers	New content for 100G/200G/400G
69	Backplane Introduction	New content for 100G/200G/400G
73	AN	New content for 100G/200G/400G
80	40GE/100GE introduction	Add new 100G PMD/AUI to lists
82	40GE/100GE PCS	New content for CR/KR PHYs, AN PHY list
91	100GE RS-FEC	Add PHYs to list if new 100G FEC is not adopted
93A	Specs. for Electrical Channels (COM/ERL)	Update to support new methods
116	400GE/200GE introduction	Add new 200G/400G PMDs to lists
119	200GE/400GE PCS	New content for CR/KR PHYs, AN PHY list
120	400GE/200GE PMA	Consideration for new 200G/400G PMD/AUI
135	50GBASE-R/100GBASE-P PMA	Consideration for new 100G PMD/AUI
152 ¹	Inverse RS-FEC sublayer	Consideration for KR/CR

Notes:

1. This clause is to be specified as part of P802.3ct.