

Editorial Considerations

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P802.3ck Task Force
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Introduction

- Review potential P802.3ck draft structure.
- Review potential set of baseline proposals
- For discussion only at this time.

Assumptions

- For 100G/200G/400G
 - Reusing current PCS, FEC, PMA
 - New CR PHY
 - New KR PHY
 - New C2C AUI
 - Two new C2M AUI
 - Lower loss host supporting both modules, active cables, and passive Cu cables.
 - Higher loss host supporting only modules and active cables.
- First new clause number is 300
 - We will be provided with an official starting clause number when we are ready to create our first draft for review.

Potential New Clauses and Annexes

#	Clause/Annex Subject	Potential Source
120F ¹	100G/200G/400G C2C AUI	Annex 120D (base)
120G ¹	100G/200G/400G C2M AUI - CR compatible	Annex 120E (base)
120H ¹	100G/200G/400G C2M AUI - not CR compatible	Annex 120E (base)
300	100G/200G/400G CR PMD	Clause 136 (3cd)
300A	100G/200G/400G CR test points, budget, etc.	Annex 136A (3cd)
300B	100G/200G/400G CR test fixtures	Annex 136B (3cd)
300C	100G/200G/400G CR MDIs	Annex 136C (3cd)
300D	100G/200G/400G CR cable assembly form factors	Annex 136D (3cd)
301	100G/200G/400G KR PMD	Clause 137 (3cd)

Notes:

1. It is not obvious with which Clause to associate the AUI Annexes since a new PMA Clause is not being proposed, previous 100G AUIs are associated with Clause 135, and previous 200G/400G AUIs are associated with Clause 120. Should we specify in Clause instead of Annex?

Potentially 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	New content for 100G/200G/400G
69	Backplane	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
93A	Specs. for Electrical Channels (COM)	Update to support new methods
116	400GE/200GE introduction	Add new 200G/400G PMDs to lists
119	400GE/200GE PCS	Consideration for new 200G/400G PMD/AUI
120	400GE/200GE PMA	Consideration for new 200G/400G PMD/AUI
135	50GBASE-R/100GBASE-P PMA	Consideration for new 100G PMD/AUI

Potential Baseline Proposals

- COM methodology
- 100G/200G/400G CR PMD, including
 - test fixtures (relates to C2M AUI)
 - MDI types
 - cable form factors
- 100G/200G/400G KR PMD
- 100G/200G/400G C2C AUI
- 100G/200G/400G C2M AUI Type 1 (CR compatible)
- 100G/200G/400G C2M AUI Type 2 (not CR compatible)
- Auto-negotiation for KR and CR