

# Editor's report

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# Introduction

The IEEE P802.3bm 40 Gb/s and 100 Gb/s Operation Over Fiber Optic Cables Task Force has adopted objectives to:

Define re-timed 4-lane 100G PMA to PMA electrical interfaces for chip to chip and chip to module applications

Define a 40 Gb/s PHY for operation over at least 40 km of SMF

Define a 100 Gb/s PHY for operation up to at least 500 m of SMF

Define a 100 Gb/s PHY for operation up to at least 100 m of MMF

Define a 100 Gb/s PHY for operation up to at least 20 m of MMF

It is now the job of the Task Force to work towards adopting baseline proposals that satisfy the remaining objectives.

# Amended clauses

Clause	Change	
1	Add new references, definitions, abbreviations	
30	Add new management objects / attributes	
45	Add new registers / bits	
78	Add new EEE PHYs	
79	Changes to LLDP needed for EEE	
80	Add new PHYs	
86	Minor changes for EEE option	If EEE approved
87	Add 40GBASE-ER4 and changes for EEE option	Baseline adopted
88	Add CAUI-4 option and changes for EEE option	If EEE approved
89	Minor changes for EEE option	If EEE approved
91	Add new PHYs that use RS-FEC	
92 to 94	Add CAUI-4 option	
Annex A	Add any new bibliography entries	

# New clauses

Clause	Content	
95	100GBASE-SR4 and 20 m over MMF	Baseline adopted Need baseline
96?	100GBASE-?R4 500 m over SMF	Need baseline
83D	CAUI-4 chip to chip	Need baseline
83E	CAUI-4 chip to module	Baseline adopted

# CAUI naming

Having adopted a baseline to add a four-lane chip to module CAUI variant called CAUI-4, the text of the base standard becomes ambiguous when using the term “CAUI” as to whether this means just the ten-lane variant of CAUI or either the ten-lane or the four-lane variant.

Proposed solution:

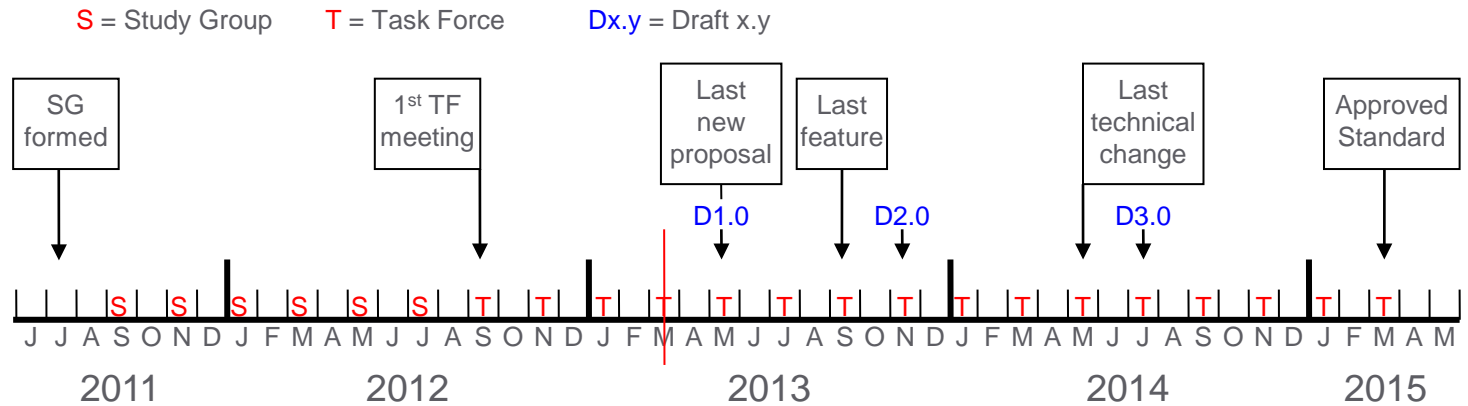
- Use “CAUI” to mean either CAUI-10 or CAUI-4
- Rename all instances of “CAUI” that are specific to the ten-lane variant to “CAUI-10”

This would mean changes to Clauses 1, 69, 78, 80, 83, 85, 86, 88, and 92, and Annexes 83A, 83B, and 83C, with most of the changes in Annexes 83A and 83B. (~150 instances of a change to CAUI-10.)

# What's next

Develop consensus presentations

Adopt remaining baseline proposals



**Adopted timeline**

Thanks!