

Logic Sub-Task Force Opening Report

IEEE P802.3ba
New Orleans January 2009

Mark Gustlin – Cisco

Logic Sub-Task Force Schedule

	Wed	Thursday
8:30	Logic	Logic
9:00		
9:30		
10:00		
10:30		
11:00		
11:30		
12:00	Lunch	Lunch
12:30	Logic	Logic
13:00		
13:30		
14:00		
14:30		
15:00		
15:30		
16:00	Dinner	Dinner
16:30		
17:00		
17:30		
18:00		
18:30	Logic	Logic
19:00		
19:30		
20:00		
20:30		

Comments to be Covered

Description	Clause(s)	Editor	T/TRs	E/ERs	Total
Front Matter, MAC, 40G & 100G Intro	00, 01, A, 4A, 80, 99	Ilango Ganga	27	18	45
Management	30,30A, 30B, 45	Hugh Barrass	19	27	46
FEC	74	Arthur Marris	9	7	16
RS/MII and PCS	81,82	Mark Gustlin	17	20	37
PMA	83	Steve Trowbridge	69	13	82
		Total	141		

We will only cover the T and TRs in the logic track, the E and ERs will be resolved by the editors.

Comments will be covered in the order as shown in the table, an exception will likely be made for the management clauses based on Hugh availability.

Front Matter etc (00, 01, A, 4A, 80, 99)

Delays:

Clause 80 Comment #652 Add a row for 100GBASE-R PMA to delay table (affects Clause 83)

Clause 80 Comment #539 Add rows for FEC and AN to Delay constraints table (may affect clauses 73 and 74)

Clause 80 Comment #540 Provide “absolute time” in “ns” for delay constraints (Affects all clauses)

Clause 80 Comment #168 Delay constraints for 40G and 100G PMA (affects clauses 80 and 83)

Clause 80 Comment #166 Delete Editor’s note b under Table 80-2

Skew (most covered on Tuesday)

Clause 80 Comment #625 Change limits for Dynamic Skew at SP1 and SP2 (affects other clauses)

Clause 80 Comment #177 Add dynamic skew value for 100G-R PCS Table 80-4

Clause 00 Comment #622: Skew definition/terminology: Applies to all PMD/PCS/PMA clauses

Clause 80 Comment #411 Fig 80-2 and 80-3 very complex, need clarity on which skew to be measured for which options

Clause 80 Comment #553 Show XLAUI/CAUI optional in Fig 80-2 and 80-3, related to comment #411

Clause 80 Comment #653 Better clarification of dynamic skew description

Clause 80 Comment #430 Better clarification needed for skew description, measurement for MMF (may affect clauses 82 and 86)

Clause 80 Comment #280 Revise skew values in SP3 and SP4 (affects other clauses)

Clause 80 Comment #445 Revise skew values in SP3 and SP4, similar to comment #280 (affects other clauses)

Clause 80 Comment #642 (Editorial comment to change significant digits for 1 UI for 100GBASE-R) easy comment better to review if time permits

Layer diagrams:

Clause 00 Comment #537: Delete MEDIUM from abbreviation for S, C, K, L, E in layer diagrams

Clause 80 Comment #394: Include “Optional” for FEC sublayer

The remaining comments to be covered in page order

Management (30,30A, 30B, 45)

Clause 30

Comments: #345, 592, 346

Clause 45

#128, 130, 588, 658(TR), 132, 133, 317, 311, 193 (effects PMA)

#344, 316, 126(E) – PMA structure

Dependent on PMA decisions:

#131/659/660 - PMA test modes

#1 – loopback in PMA

All remaining comments to be covered in page order.

FEC (74)

Comment #351: 74.7.4 Functions within the FEC sublayer, should be updated to include the operation of a bit serial interface for 40GBASE-R and 100GBASE-R PHYs.

Presentation: ganga_03_0109

The remaining comments to be covered in page order.

RS/MII/PCS (81 and 82)

Comments #639, 289, 290, 272, 273, 274: All about how ordered sets are aligned now that we change the 64b/66b encoding.

Comment #318, 461, 199: All about test patterns.

The remaining comments to be covered in page order.

PMA (83)

Test Patterns and Loopback (many covered on Tuesday)

Comments: 101, 146, 165, 182, 201, 202, 293, 325, 326, 328, 436, 446, 447, 448, 470, 544, 590, 594, 595, 596, 597, 619, 624, 627, 628, 633, 655, 656, 657

Presentations: trowbridge_02, gustlin_04, chang_03, dawe_02, dawe_01(optical track)

Layering and physical instantiations

Comments: 178, 179, 323, 324, 327, 369, 370, 395, 401, 508, 654

Presentations: trowbridge_01, dambrosia_01

Skew (covered on Tuesday)

Comments: 400, 616

Management related

Comments: 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 147, 148, 149, 150, 151, 152, 153, 154, 155, 180, 312, 320, 593, 598

The remaining comments to be covered in page order.

Thanks!