

IEEE P802.3ba 40Gb/s and 100Gb/s Ethernet Task Force

Chief Editor's Report

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Editor-in-Chief, IEEE P802.3ba Task Force

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Editorial Team

Editor	Affiliation	Responsibilities
Ilango Ganga	Intel	Editor-in-Chief Editor – Clauses 1, 4, 80, Annexes A, 4A
Mark Gustlin	Cisco	Chair, Logic Sub-task Force Editor – Clauses 81, 82
Chris Di Minico	MC Communications	Chair, Copper Sub-task Force Editor – Clause 85
Pete Anslow	Nortel	Chair Optical Sub-task Force Editor – Clause 88
Hugh Barrass	Cisco	Editor – Clauses 30, 45, Annexes 30A, 30B
Arthur Marris	Cadence	Editor – Clauses 69, 73, 74, 84, Annexes 69A, 69B
Steve Trowbridge	Alcatel-Lucent	Editor – Clause 83
Ryan Latchman	Gennum	Editor – Annex 83A
Piers Dawe	Avago Technologies	Editor – Clause 86
Jonathan King	Finisar	Editor – Clause 87



Current status

- Editorial team released P802.3ba-D1.0 for 30 day task force review
 - Draft 1.0 meets all objectives
 - Review period Oct 1 to Oct 30, 2008
 - Received total of 642 comments
 - Includes 6 late comments
 - T/TR comments: 461
 - E/ER comments: 181
- Thanks to Editorial team, volunteers and contributors for your efforts in releasing the Draft 1.0 on Oct 1, 2008

Comments received

Description	Clause (s)	T/TRs	E/ERs	Total
Front matter, MAC, 40G and 100G Introduction	00, 01, A, 4, 4A, 80, 99	37	38	75
Management	30, 30A, 30B, 45	43	14	57
RS/MII and PCS	81, 82	66	41	107
PMA	83	29	22	51
XLAUI and CAUI	83A	43	18	61
Backplane KR4 related	69, 69A, 69B, 73, 74, 84	32	10	42
Copper CR4 & CR10	85	73	7	80
Optical SR4 & SR10	86	81	17	98
Optical 40G LR4	87	25	6	31
Optical 100G LR4 & ER4	88	32	8	40
	Total	461	181	642



Top meeting goals

- Drive towards a technically complete draft
- Resolve comments received on D1.0
 - Hear presentations and supporting materials to address open issues
 - Review all T/TRs in the meeting
 - Both T and TRs will be treated with same status, no signoff is required
 - E/ERs may not be discussed in the meeting and will be left to the editorial team to address these comments
 - If you want to review any specific editorial comments please bring it to the attention of the Sub-Task Force Chairs or Chief Editor
- It is critical to close major opens in this meeting



Parallel tracks for review

- Comments will be reviewed in parallel tracks
 - Common clauses such as Introduction and Management will be reviewed separately
 - Front matter, Clauses 01, 4, 80 and Annexes A, 4A
 - Logic, Optical and Copper tracks will be reviewed in parallel by respective subtask forces
 - Logic track: Clauses 81, 82, 83 and 74
 - Copper track: Clauses 69, 73, 84, 85 and Annexes 69A, 69B, 83A
 - Optical track: Clauses 86, 87, 88
 - Common / Joint sessions with different tracks will be held to review common issues
 - See agenda_01_1108 and general information of the respective tracks for details



General issues to be closed

- Common to logic and PMD clauses
 - Skew and Delay constraints (PCS/PMA/PMD)
- Test procedures for various clauses
 - Test points definition
 - Test fixtures
 - Test patterns
 - Jitter specification
 - Transmit eye mask
- Channel characteristics
 - Finalize channel characteristics for copper medium, test channels, XLAUI/CAUI, optics polarization mode dispersion



General issues to be closed (2)

- List of open items in logic clauses
 - Finalize the test pattern strategy
 - PCS state machine changes for working with FEC
- Management
 - Strategy to address Multiple PMA instances, atomic PMAs, and PMAs separated from PMDs
 - Management objects (Clause 30)



Electrical specifications / Jitter

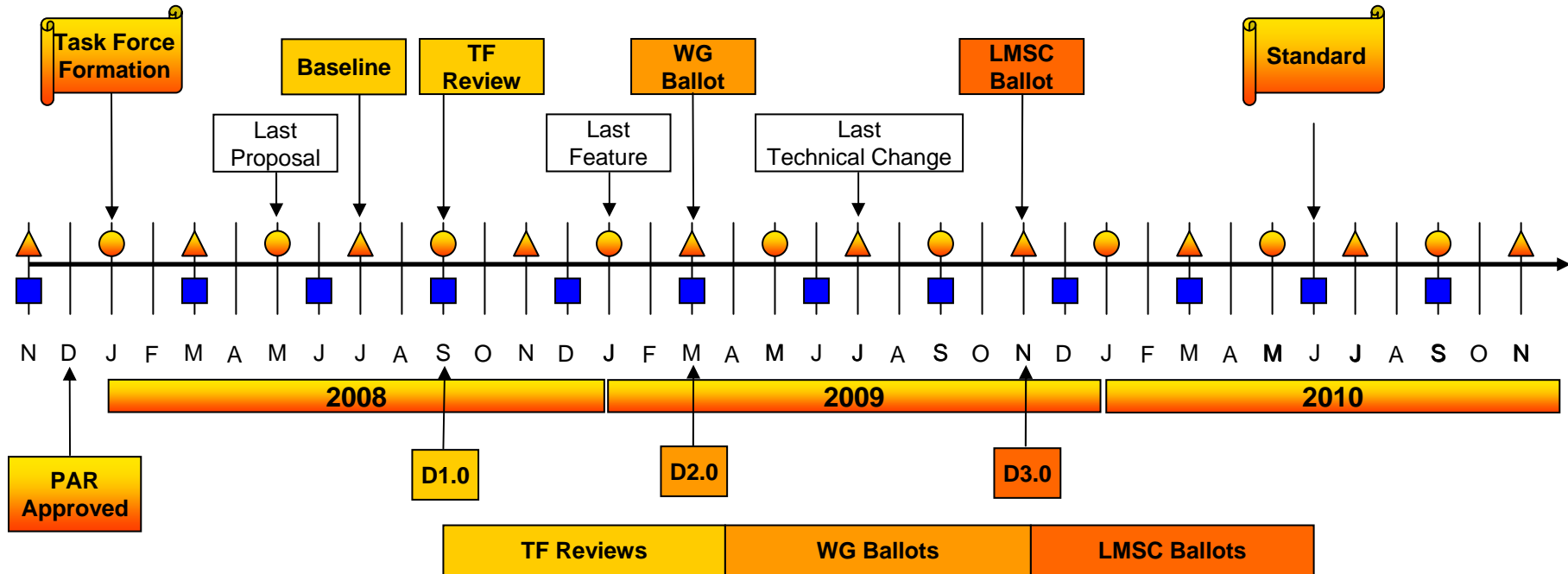
Agenda for Sunday evening joint session of Copper/Optical tracks*

- We will hear the presentations related to Electrical specifications
 - Refinement to XLAUI / CAUI electrical specifications
 - Ali Ghiasi (ghiasi_01_1108)
 - An Equalization and Jitter Transfer Function (JTF) Specification Proposal for XLAUI/CAUI
 - Mike Li (li_01_1108)
 - BER objective for nAUI I/F
 - Mark Gustlin and Mike Li (gustlin_02_1108)
 - nAUI jitter transfer specs
 - Piers Dawe (dawe_03_1108)
 - Refinement to SR4/SR10 specifications
 - Ali Ghiasi (ghiasi_03_1108)
- If time permits we will hear FEC and AN requirements presentations
 - Auto-negotiation not needed for FEC or for front-panel ports
 - Piers Dawe (dawe_01_1108)
 - Partial FEC
 - Piers Dawe (dawe_02_1108)

Note: *See agenda_01_1108, schedule and order of presentations subject to change

IEEE P802.3ba Task Force Timeline

You
Are
Here



* Adopted by IEEE P802.3ba TF at March 08 Plenary

IEEE P802.3ba Task Force meeting, Nov

Legend

- ▲ IEEE 802 Plenary
- IEEE 802.3 Interim
- IEEE-SA Standards Board



Proposed schedule for initial WG ballot

<i>Milestone</i>	<i>Description</i>	<i>Day</i>	<i>Date</i>	<i># days</i>	<i>Status</i>
	Jul Plenary	Mon-Thu	Jul 14-18		Done
Draft 0.9	Proposed Baseline draft available to TF for review	Mon	25-Aug-08		Done
	Sep' 08 Interim (Baseline draft adopted by TF)	Tue-Fri	Sep 15-19	3 weeks	
Draft 1.0	Initial Task force review (open for TF comments)	Fri	1-Oct-08		
	Initial Task force review – (TF comment period ends)	Thu	30-Oct-08	30 days	
	Nov'08 Plenary	Mon-Thu	Nov 9-14		Critical to close major opens
Draft 1.1	First TF recirculation – (Open for TF comments)	Wed	10-Dec-08		
	First TF recirculation – (TF comment period ends)	Tue	30-Dec-08	3 weeks	
	Jan interim	Tue-Fri	Jan 12-16		All technical issues addressed
Draft 1.2	Second TF recirculation – (Open for TF comments)	Fri	6-Feb-08		Technically complete draft
	Second TF recirculation – (TF comment period ends)	Thu	26-Feb-08	3 weeks	* 2 weeks if interim is Jan 19
Draft 2.0-pre (D1.2)	Initial Working Group ballot – pre circulation (D1.2)	Mon	2-Mar-08		Precirculation deadline
	March '09 Plenary (review any changes line by line with WG)	Mon-Thu	March 9-12		
Draft 2.0	Initial working group ballot – opens	Fri	Mar 27 (or Mar 20*)		
	Initial working group ballot - closes	Thu	Apr 30 (or April 23*)	35 days	
	May 09 interim* (The meeting dates are estimated)	Tue-Fri	May 11-15*		

Note: It is essential to meet this schedule to request for WG ballot in Mar'09



Summary & Next steps

- As per schedule Draft 1.2 coming out of Jan'09 interim should be technically complete to request for WG ballot in Mar'09 Plenary
- Review Draft 1.0 and resolve comments to address open issues
 - Direct editorial team to generate Draft 1.1
- Release Draft 1.1 for initial Task Force review by Dec 2nd week
 - Comments due by end of Dec '08
 - Targeting a 3 week task force review for D1.1
- Close all technical opens (or TBDs) by Jan '09
 - Draft 1.2 should be technically complete
- Request to go to WG ballot at Mar'09 Plenary
 - Release technically complete draft for 802.3 WG preview on Mar 02nd