

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

Chief Editor's Report

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

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Editorial Team

Editor	Affiliation	Responsibilities
Ilango Ganga	Intel	Editor-in-Chief
Mark Gustlin	Cisco	Logic track sub-task force Chief Editor, Editor RS/MII & PCS clauses
Chris Di Minico	MC Communications	Copper track sub-task force Chief Editor, Editor 40/100G copper PMDs
Pete Anslow	Nortel	Optical track sub-task force Chief Editor, Editor SMF PMD clauses
Hugh Barrass	Cisco	Editor Management clauses
Steve Trowbridge	Alcatel-Lucent	Editor PMA clause
Arthur Marris	Cadence	Editor Backplane Ethernet clauses
Jonathan King	Finisar	Editor SMF PMD clauses
Piers Dawe	Avago Technologies	Editor 40/100G MMF PMD clause
Ryan Latchman	Gennum	Editor XLAUI/CAUI annex



Current status

- Editorial team completed Draft 0.9 for task force preview
 - All adopted baseline proposals (see http://www.ieee802.org/3/ba/BaselineSummary_0708.pdf) translated to equivalent text in P802.3ba/D0.9
 - The TF is yet to select a baseline for 40G LR
- Thanks to Editorial team, volunteers and contributors for your efforts in releasing the draft on Aug 25th, 2008



Top meeting goals

- Review Draft 0.9 and adopt baseline draft
- Close baseline selection for 40G LR
 - Which includes a proposal and proposed text

- See agenda_01_0908 for further details



Scope of Review..(1)

- Editorial team has translated baseline proposals to text in Draft 0.9
- The scope of review is to check for accuracy of this translation
 - Not to debate new proposals or modify existing proposals
 - Note down exceptions where the draft differs from the intent of the baseline proposal



Scope of Review ..(2)

- Identify opens
 - Editors have identified known opens in Editorial notes in Draft 0.9
 - In some cases Editors have proposed text and or numbers for completeness. Review and either accept these or mark it as TBD
 - Note down opens that have not been highlighted by Editorial notes
- Draft 1.0 will be Draft 0.9 plus any exceptions identified during review and, if adopted, text for 40G LR baseline proposal plus any exceptions identified during review
 - The baseline draft need not be technically complete



General meeting outline

- Tue AM/PM
 - Reserved for general business, agenda, editors report, and 40G LR presentations
- Wed AM:
 - Discussions on 40G LR motions, and other draft specific presentations
- Wed PM:
 - Draft 0.9 review of common clauses
- Thu AM/PM:
 - Continue Draft 0.9 review of logic and PMD clauses
- Fri AM
 - Continue Draft 0.9 review and summarize
- Fri PM
 - Baseline draft adoption motions
 - Closing business, Next steps
 - Pending time availability MMF presentations

*Note: See agenda_01_0908 for detailed meeting schedule
Order of review or subject to change



Draft Review outline..(1)

- Wed AM/PM: Introductory and management clauses (Total 51 pages)
 - Clause 1, Annex A, (Intro) 4 pages
 - Clause 4, Annex 4A (MAC), 2 pages
 - Clause 30, Annex 30A, 30B Mgmt (There is no content, so nothing to review, unless someone brings up any points for discussion)
 - Clause 45, (MDIO) 40 pages (This impacts all clauses, hence discuss in common track)
 - Clause 150, (Introduction to 40/100G), 6 pages

*Note: Order of review or time subject to change



Draft Review outline..(2)

- Wed PM: Logic Clauses (Total 65 pages)
 - Clause 151 (RS/MII), 20 pages
 - Clause 152 (PCS), 30 pages
 - Clause 153 (PMA), 15 pages
- Thu AM: Annex 153A (XLAUI/CAUI)
(Total 13 pages)

*Note: Order of review or time subject to change



Draft Review outline ..(3)

- Thu AM/PM: Copper and Backplane clauses (Total 55 pages)
 - Clause 69, Annex 69A, 69B (Backplane Intro, test, channel), 5 pages
 - Clause 73 (Auto-Neg), 6 pages
 - Clause 74 (FEC), 6 pages
 - Clause 154 (KR4), 12 pages
 - Clause 155 (CR4), 26 page

*Note: Order of review or time subject to change



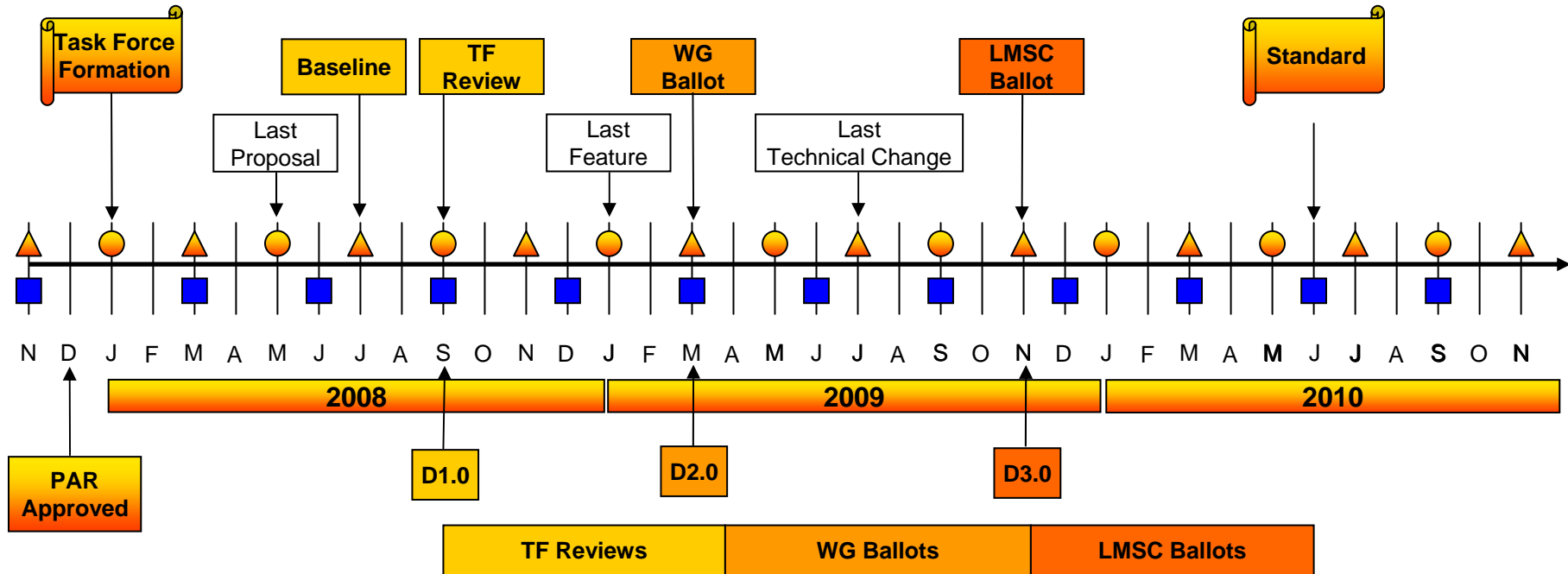
Draft Review outline ..(3)

- Thu PM/Fri AM: Optical PMD clauses (Total 46+ pages)
 - Clause 156 (40/100 SR), 24 pages (some copper members will be interested in PPI interface)
 - Clause 158 (40/100 LR/ER), 22 pages
 - Clause 157: Review text corresponding to 40G LR baseline if adopted on Wed AM
- Fri AM: Review summary
 - Highlight list of exceptions or changes to Draft 0.9 identified during review

*Note: Order of review or time subject to change

IEEE P802.3ba Task Force Timeline

You
Are
Here



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

Legend

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

IEEE P802.3ba Task Force meeting, Sep



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 10-14		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	* 4 weeks if interim is Jan 19
	Jan interim (The meeting dates are estimated)	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



Potential risks to schedule

- As per proposed schedule Draft 1.2 coming out of Jan'09 interim should be technically complete
 - To request for WG ballot in Mar'09 Plenary
- If the TF does not adopt a baseline for 40G LR in Sep'08
 - Instead makes a baseline selection in Nov'08 plenary
 - This means 40G LR Clause will miss 2 review cycles (current one, and the one after Sep)
 - Since all technical issues need to be closed at Jan'09 interim, potential risk that D1.2 may not be technically complete
- Potential risk to schedule if the TF does not make a decision on 40G LR solution in Sep interim



Summary & Next steps

- Review Draft 0.9 and adopt baseline draft in Sep'08 interim
 - Direct editorial team to generate Draft 1.0
- Identify opens in Sep'08 interim
- Release Draft 1.0 for initial Task Force review by Oct 1st
 - Comments due by Oct 30th
- Close major opens by Nov'08
 - Expect contributions to close opens in Nov'08 Plenary
- 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