

# 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

Jan 13, 2009



# 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-D1.1 for a 3 week task force review (Dec 9 to Dec 29, 2008)
  - Draft 1.1 meets all objectives
  - There are TBDs/opens to be resolved in D1.1
- Draft 1.1 review comments
  - Received total of 619 comments
    - T/TR comments: 485
    - E/ER comments: 134
- Thanks to Editorial team, volunteers and contributors for your efforts in releasing the Draft 1.1 on Dec 9, 2008



# D1.1 Comments report

Description	Clause	Editor	T/TRs	E/ERs	Total
Front matter, MAC, 40G & 100G Intro	00, 01, A*, 4, 4A*, 80, 99	Ilango Ganga	27	18	45
Management	30, 30A*, 30B*, 45	Hugh Barrass	19	27	46
RS/MII and PCS	81, 82	Mark Gustlin	19	19	38
PMA	83	Steve Trowbridge	68	13	81
XLAUI and CAUI	83A	Ryan Latchman	63	14	77
Backplane KR4 related	69, 69A*, 69B, 73, 74, 84	Arthur Marris	28	13	41
Copper CR4 & CR10	85	Chris Di Minico	51	7	58
Optical SR4 & SR10	86	Piers Dawe	130	17	147
Optical 40G LR4	87	Jonathan King	43	5	48
Optical 100G LR4 & ER4	88	Pete Anslow	37	1	38
<b>Total comments</b>			<b>485</b>	<b>134</b>	<b>619</b>

\* No comments on these clauses/annexes in D1.1



# Top meeting goals

---

- Resolve all opens to generate a Technically complete draft
- Resolve comments received on D1.1
  - Hear presentations and supporting materials to address opens
  - 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 all opens in this meeting to request Working Group to go for WG ballot in Mar '09



# Parallel tracks for review

---

- Comments will be reviewed in Logic, Copper, and Optical tracks in parallel
- Logic track:
  - Front matter, Clauses 01, 4, 74, 80, 81, 82, 83 and Annexes A, 4A
- Copper track:
  - Clauses 69, 73, 84, 85 and Annexes 69A, 69B, 83A
- Optical track:
  - Clauses 86, 87, 88

Note: See agenda\_01\_0109 for general meeting outline

See gustlin\_01\_0109.pdf, diminico\_01\_0109.pdf, anslow\_01\_0109.pdf for individual subtask force schedules



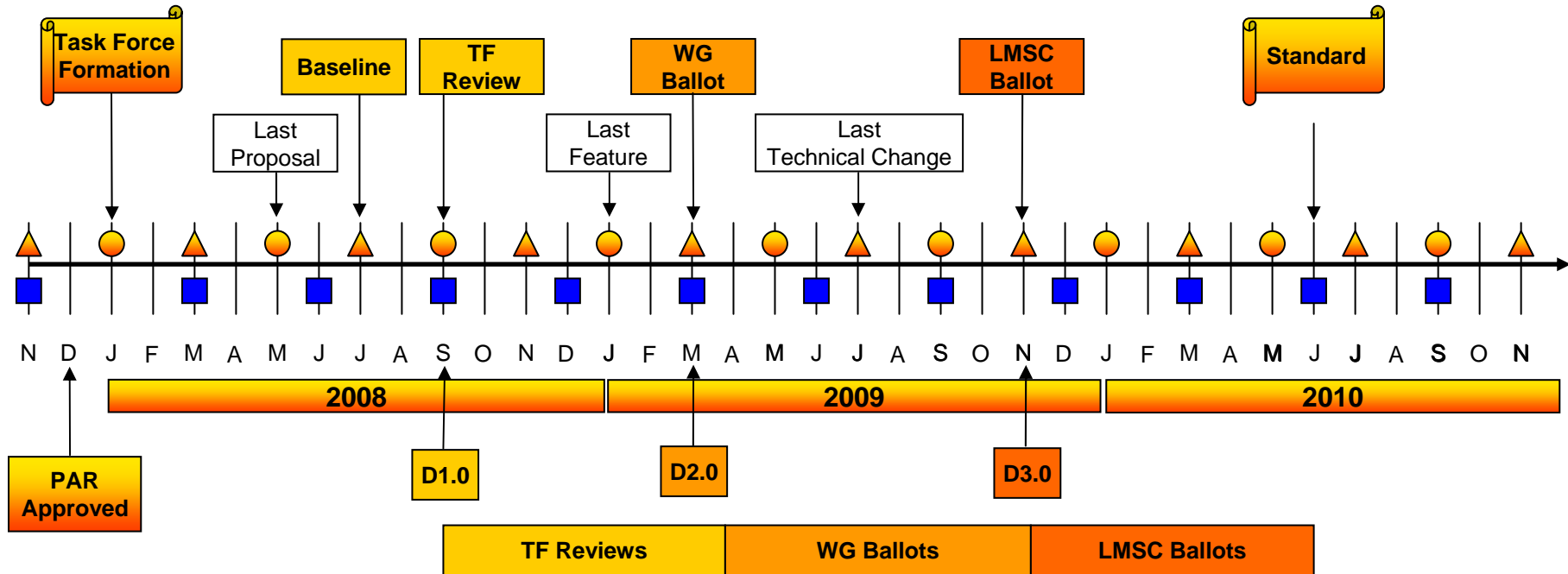
# Common TF session on Tue

---

- Key areas to be reviewed in common Task Force sessions on Tue PM
  - Skew
  - Test patterns
  - Loopback
  - XLAUI/CAUI chip to module
- See agenda and general information for respective sub-task forces for details on key issues related to logic, copper and optical tracks
  - See [gustlin\\_01\\_0109.pdf](#), [diminico\\_01\\_0109.pdf](#), [anslow\\_01\\_0109.pdf](#)

# 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, Jan



# Proposed schedule for initial WG ballot

	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	Done
Draft 1.0	Initial Task force review (open for TF comments)	Fri	1-Oct-08	Done
	Initial Task force review – (TF comment period ends)	Thu	30-Oct-08 30 days	Done
	Nov'08 Plenary	Mon-Thu	Nov 9-14	Done
Draft 1.1	First TF recirculation – (Open for TF comments)	Tue	9-Dec-08	Done
	First TF recirculation – (TF comment period ends)	Mon	29-Dec-08 3 weeks	Done
	Jan interim	Tue-Fri	Jan 12-16	Close all technical opens
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	
Draft D1.2 Pre-circ	Initial Working Group ballot – pre circulation (D1.2)	Mon	2-Mar-08	Precirculation deadline
Draft 1.3 for WG	March '09 Plenary (review any changes from Pre-circ with WG)	Mon-Thu	March 9-12	Request for WG ballot
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 close all opens to request for WG ballot in Mar'09



# Summary & Next steps

---

- As per schedule, the Draft 1.2 coming out of Jan'09 interim should be technically complete to request for WG ballot in Mar'09 Plenary
  - Review Draft 1.1 comments and resolve all open technical issues
- Direct editorial team to generate a technically complete Draft 1.2
- Release Draft 1.2 for Task Force review by Feb 6th
  - Targeting a 3 week Task Force review for D1.2 (review close by Feb 26<sup>th</sup>)
- Pre-circulate technically complete draft to IEEE 802.3 WG on Mar 02<sup>nd</sup>
  - Resolve any comments in March Meeting and generate D1.3 on Mar 12<sup>th</sup> to review with the Working group on Thu closing Plenary
- Request to go to WG ballot at Mar'09 Plenary