



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

Opening Plenary Report

San Francisco, CA, USA
July 2009

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<u>Pete Anslow</u>	Chair, “Optical” Sub-task Force Editor – Clause 88
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<u>John Petrilla</u>	Co-chair - Extended Reach Parallel MMF Ad Hoc
<u>George Oulundsen</u>	Task Force Secretary
<u>Frank Chang</u>	Task Force Web Master

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Task Force Approved Project Documents

- **PAR**

- http://ieee802.org/3/ba/PAR/par_0308.pdf

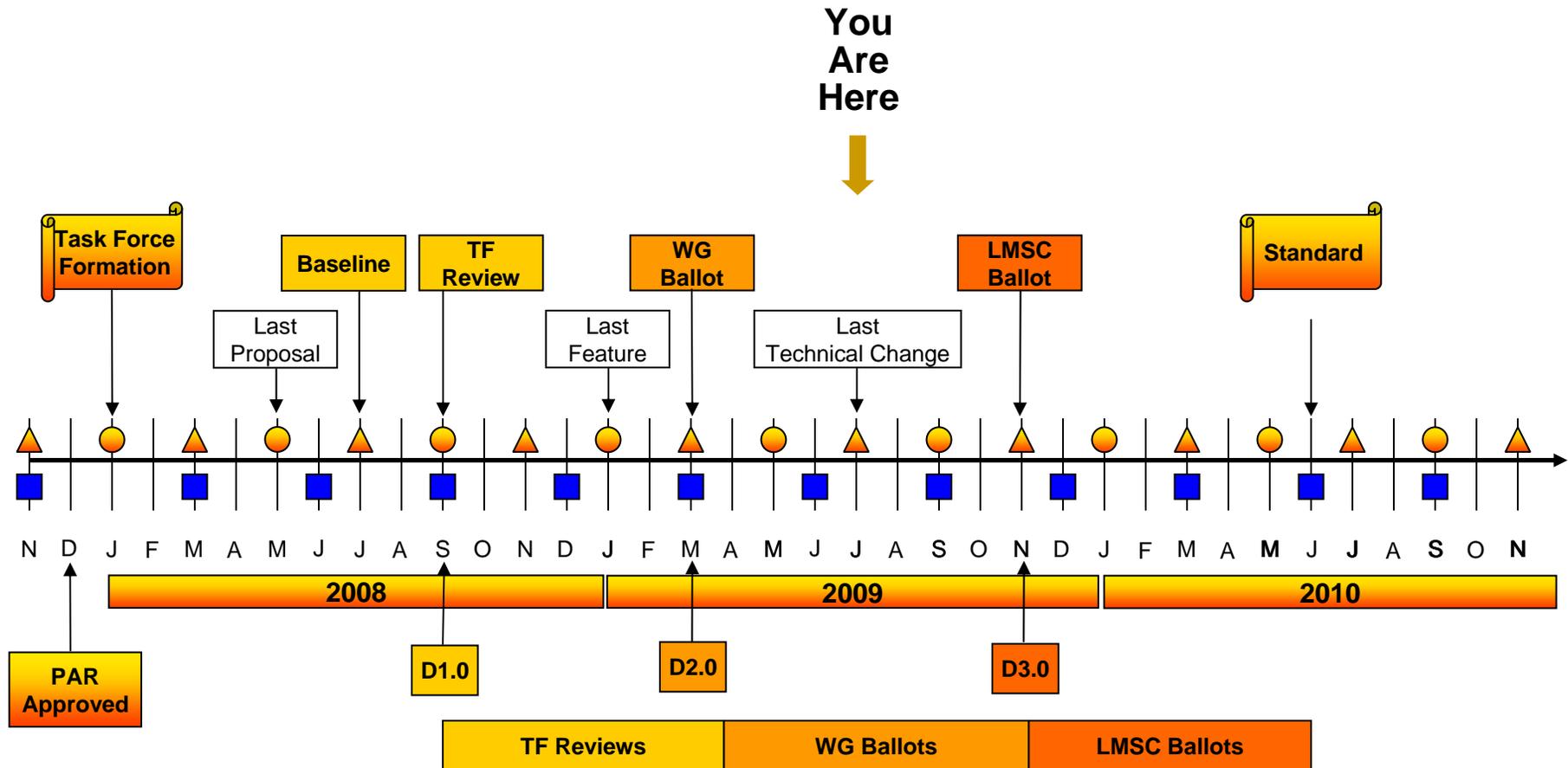
- **5 Criteria**

- http://ieee802.org/3/ba/PAR/P802.3ba_5C_0908.pdf

- **Objectives**

- http://ieee802.org/3/ba/PAR/P802.3ba_Objectives_0308.pdf

IEEE P802.3ba Task Force Timeline



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

Legend	
▲	IEEE 802 Plenary
●	IEEE 802.3 Interim
■	IEEE-SA Standards Board

Activities Summary Since March (1 of 2)

- Draft 2.0 was published on March 12
- Conducted initial circulation on WG ballot
 - Opened March 13
 - Closed April 16
- 3 ½ day Interim meeting in Quebec City in May (Thanks Tyco for sponsoring)
 - 64 Participants
 - Reviewed all T(249), TR (227) and ERs (146)
 - 40 unsatisfied comments (31 TR, 9 ER)
 - Created:
 - Informative Annex 85A 40GBASE-CR4 and 100GBASE-CR10 TP0 and TP5 test point parameters
 - Normative Annex 86A Parallel Physical Interface (XLPPI and CPPI)
 - Modified 52.9.10 Transmitter and dispersion penalty measurement
 - Issue discovered during WG Ballot 2.0
 - Clarify that the 10GBASE-S TDP measurement is performed with multimode fiber in place of the polarization rotator and single-mode fiber.
 - Maintenance Request 1211

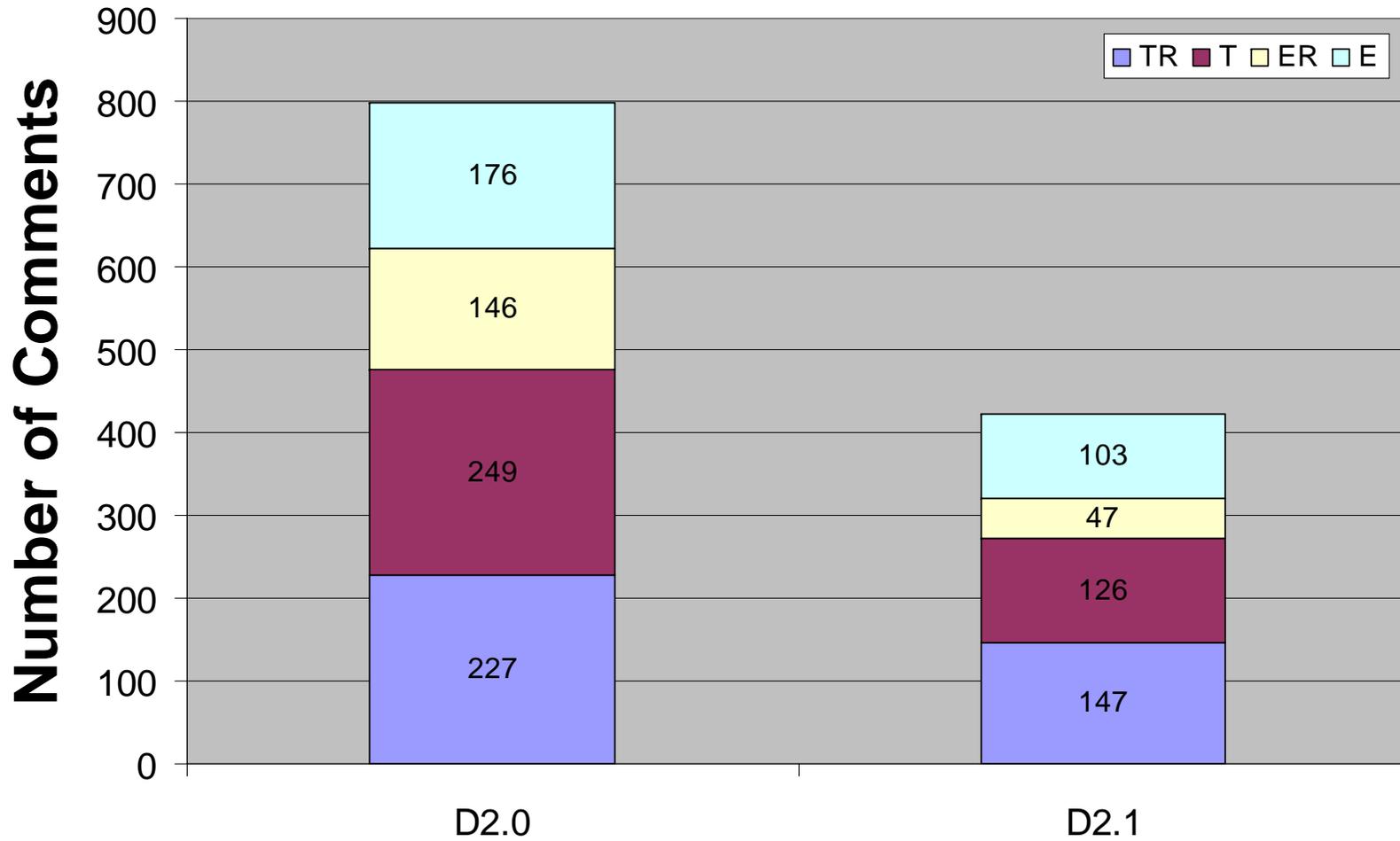
Activities Summary Since March (2 of 2)

- Draft 2.1 was published on June 1
- Conducted 1st recirculation on WG ballot
 - The scope of the ballot was the entire P802.3ba/D2.1.
 - Opened June 2
 - Closed June 27
- 1 day (Sunday) Interim meeting in San Francisco
 - 58 Participants
 - Began review of comments received against D2.1 that needed Task Force consideration
 - Discussion of 40GBASE-CR4 / 100GBASE-CR10 Reach / Budget Allocation
 - Task Force Direction to Sub-Task Force:
 - Use gustlin_04_0709 as reach objective guidance for insertion loss allocation.
 - Investigate 7m

Working Group Ballot Results

	Initial Ballot (D2.0)	1 st Recirc Ballot (D2.1)
Total Voters	229	229
Approved	87	97
Disapproved (with comments)	32	30
Disapproved (without comments)	3	2
Abstained	10	11
Total Returns	132	140
Response Ratio (Req >50%)	57.64%	61.14%
Abstention Ratio (Req <30%)	7.58%	7.86%
Approval Ratio (Req \geq 75%)	73.11%	76.38%

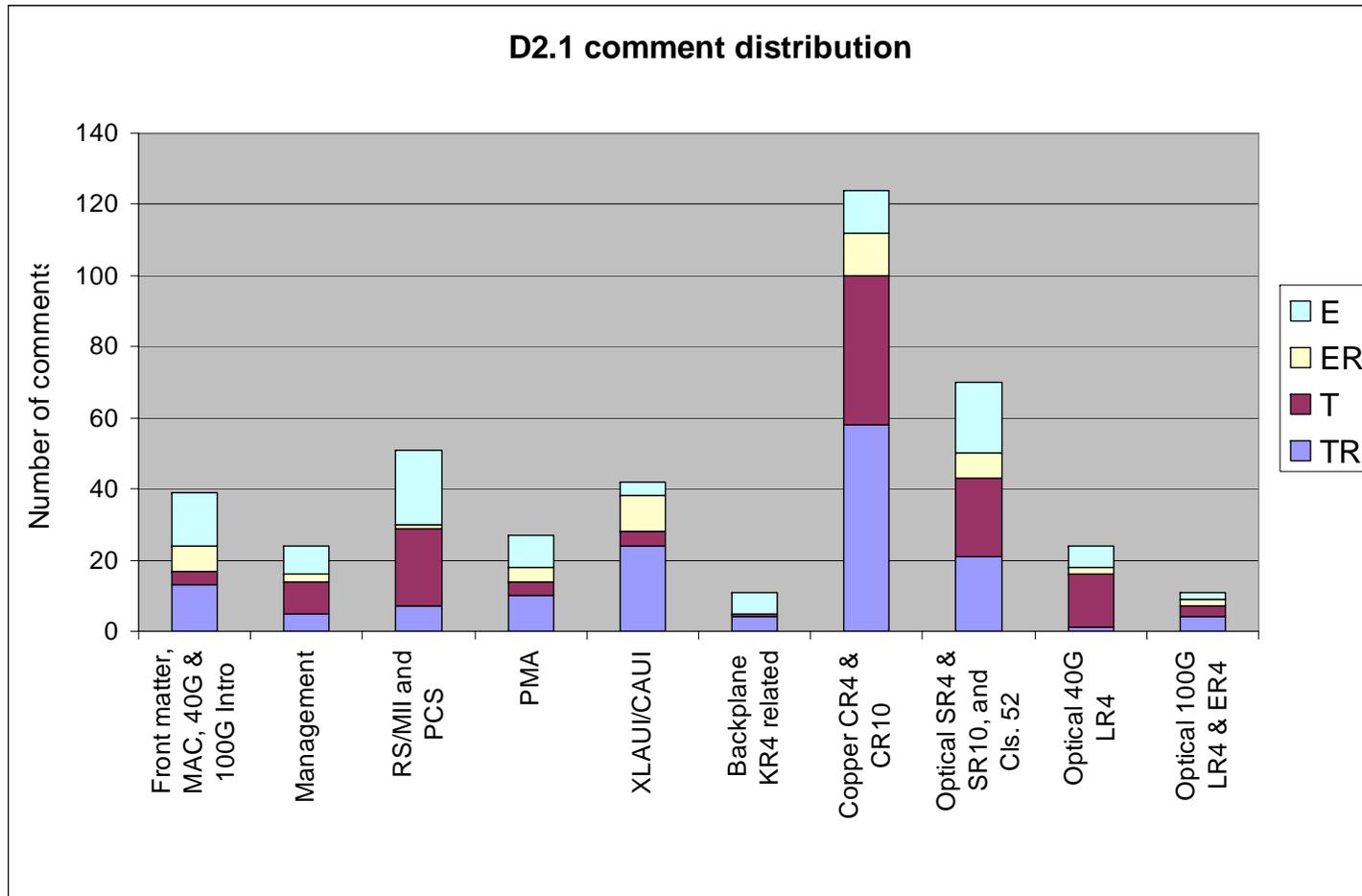
Comments history



D2.1 Comments report

Description	Editor	Clause	TR	T	ER	E	Total
Front matter, MAC, 40G & 100G Intro	Ilango Ganga	99, 00, 01, A, 4, 4A, 31B, 80	13	4	7	15	39
Management	Hugh Barrass	30, 45	5	9	2	8	24
RS/MII and PCS	Mark Gustlin	81, 82	7	22	1	21	51
PMA	Steve Trowbridge	83, 83C	10	4	4	9	27
XLAUI/CAUI	Ryan Latchman	83A, 83B	24	4	10	4	42
Backplane KR4 related	Arthur Marris	69, 69A, 69B, 73, 74, 84	4	1	0	6	11
Copper CR4 & CR10	Chris Di Minico	85, 85A	58	42	12	12	124
Optical SR4 & SR10, and Cls. 52	Piers Dawe	86, 86A, 52	21	22	7	20	70
Optical 40G LR4	Jonathan King	87	1	15	2	6	24
Optical 100G LR4 & ER4	Pete Anslow	88	4	3	2	2	11
Total comments			147	126	47	103	423

D2.1 Comments Distribution



Goals for the week

- Progress towards generating D2.2
 - Respond to comments received against D2.1
 - Hear technical presentations
 - Big Ticket Items
 - Resolution of 40GBASE-CR4 / 100GBASE-CR10 Reach / Budget Allocation
 - Nomenclature

- Consider liaisons from
 - Liaison Report from ISO/IEC JTC 1/SC 25/WG 3 to IEEE 802.3 regarding optical fibre terminology
 - Received comments against D2.1 in relation to this liaison
 - INCITS T11.2 Activities Report

- Lay groundwork for the next meeting

Meeting Map

	Sun	Mon	Tues	Wed	Thur	Fri						
8:00		SEC	Task Force			Logic	Copper	Optics	Task Force Motions & Closing Business			
8:30												
9:00												
9:30												
10:00			802.0 Plenary	Logic	Copper	Optics						
10:30												
11:00			Lunch	Lunch	Lunch	Lunch						
11:30												
12:00			802.3 Plenary	Logic	Copper	Optics	Logic	Copper		Optics	802.3 Plenary	SEC
12:30												
13:00	Task Force	Logic		Copper	Optics	Logic	Copper	Optics				
13:30												
14:00		Dinner		Dinner	Dinner							
14:30												
15:00		802.3 Plenary		Logic	Copper	Optics	Logic	Copper	Optics			
15:30												
16:00		Task Force		Tutorial #1	Logic	Copper	Optics	Social				
16:30												
17:00		Dinner	Tutorial #2	Logic	Copper	Optics						
17:30												
18:00	Task Force	CFI	Logic	Copper	Optics							
18:30												
19:00	Task Force	CFI	Logic	Copper	Optics							
19:30												
20:00												
20:30												
21:00												
21:30												
22:00												

Note –Times listed are subject to change.



Thank You!

