



IEEE 802.3bg 40Gb/s SMF PMD Task Force

Opening Plenary Report

Dallas, TX

Nov 2010

40GE SMF PMD Task Force organization

Chair: Mark Nowell (mnowell@ieee.org)

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Web Masters: Chair and Editor

Recording Secretary: Volunteer per meeting

Reflector and Web

- To subscribe to the IEEE 802.3 40GE SMF PMD Task Force reflector, send an email to:

ListServ@ieee.org

with the following in the body of the message (do not include “<>”):

***subscribe stds-802-3-40GSMF <yourfirstname> <yourlastname>
end***

- Send IEEE 802.3 40GE SMF Task Force reflector messages to:
STDS-802-3-40GSMF@listserv.ieee.org

- Task Force web page URL:

<http://grouper.ieee.org/groups/802/3/bg/index.html>

- Study Group material archived at:

<http://grouper.ieee.org/groups/802/3/40GSMF/index.html>

IEEE P802.3bg Private Area

- URL: <http://www.ieee802.org/3/bg/private/>
 - Username: 802.3bg
 - Password: *****
- Write it down as this password will not be posted...
- Note - Any drafts are posted for your review only, and neither the draft nor access information should be copied or redistributed to others in violation of document copyrights.

Task Force Approved Project Documents

- PAR

- http://grouper.ieee.org/groups/802/3/40GSMF/40GESMF_SG_PAR_0110.pdf

- 5 Criteria

- http://grouper.ieee.org/groups/802/3/40GSMF/40GESMF_SG_5C_responses_0110.pdf

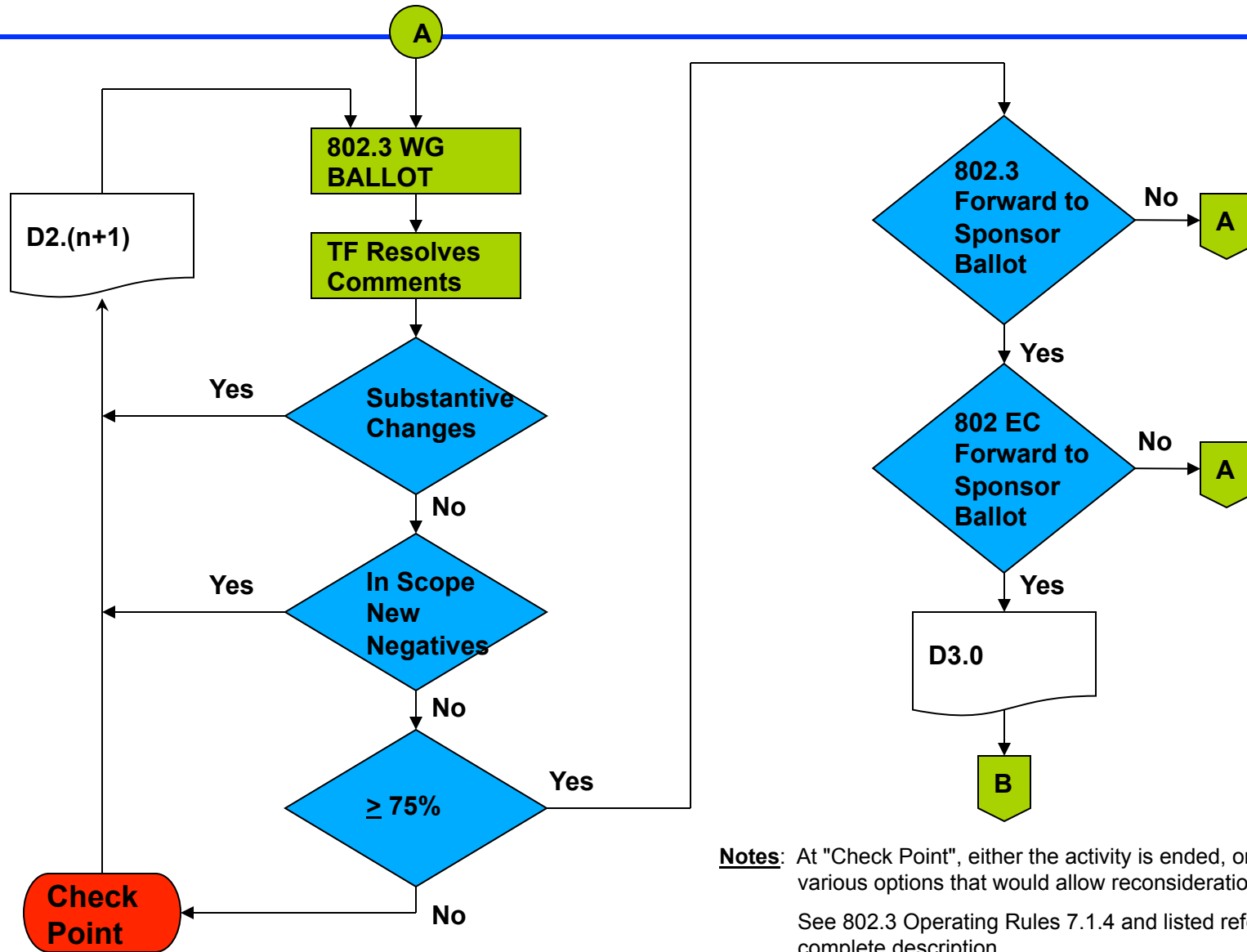
- Objectives

- http://grouper.ieee.org/groups/802/3/40GSMF/40GESMF_SG_Objectives_0110.pdf

Objectives

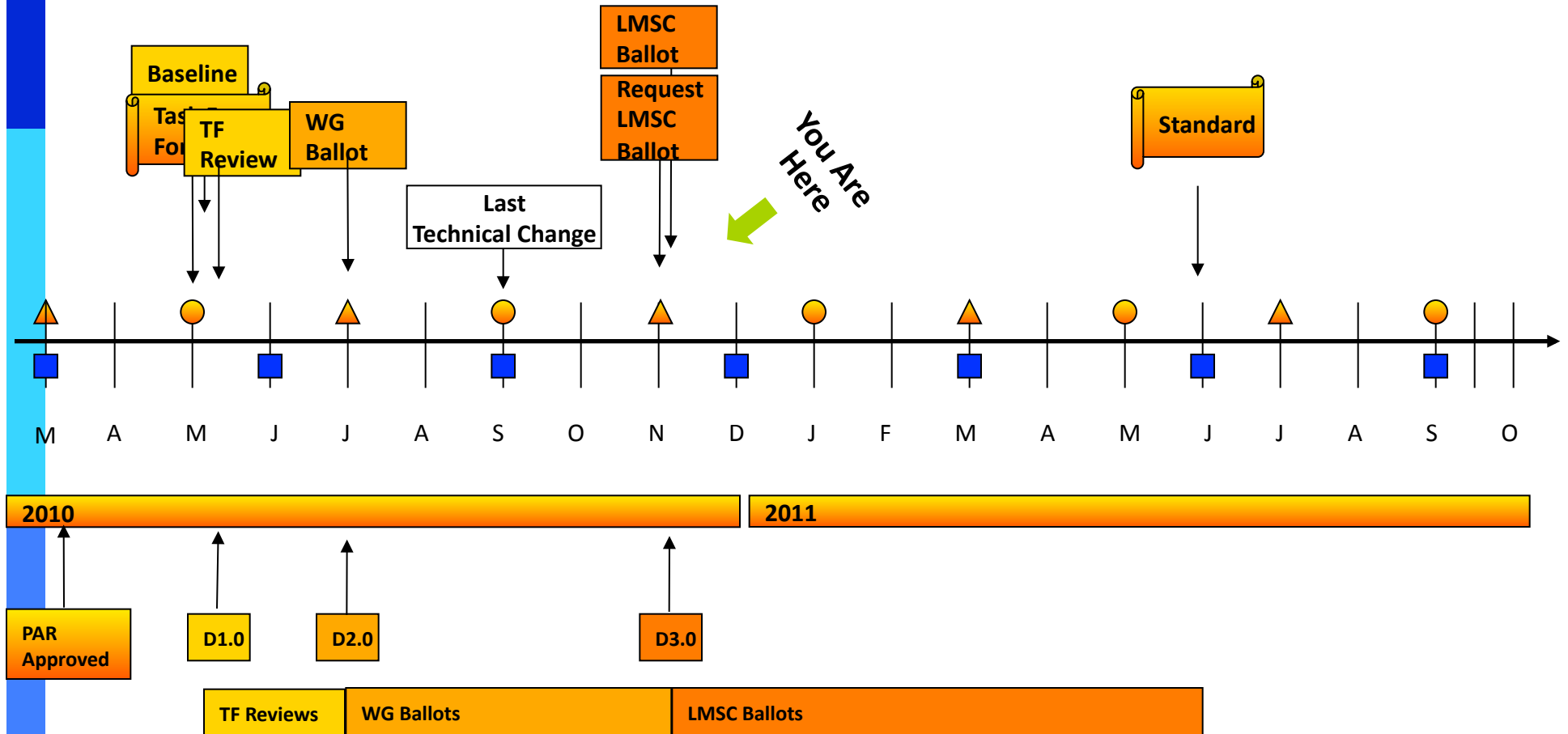
- Preserve the IEEE 802.3 / Ethernet frame format utilizing the IEEE 802.3 MAC
- Preserve minimum and maximum FrameSize of current IEEE 802.3 standard
- Support a BER better than or equal to 10^{-12} at the MAC/PLS service interface
- Support a MAC data rate of 40 Gb/s
- Use the 40GBASE-R PCS and PMA
- Use only existing electrical and logical interfaces from IEEE Std 802.3 as modified by IEEE P802.3ba
- Provide Physical Layer specification which support 40 Gb/s operation over at least 2 km on SMF.
- Provide optical compatibility with existing carrier 40Gb/s client interfaces (OTU3/STM-256/OC-768/40G POS).

Overview of IEEE 802.3 Standards Process (3/5) - Working Group Ballot Phase



Notes: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval. See 802.3 Operating Rules 7.1.4 and listed references for complete description

IEEE P802.3bg Task Force Timeline



* Not currently adopted by the TF.

Legend

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

Activities summary since July

- D2.0
 - published July 15th, 2010
 - conducted WG ballot
 - open July 16th, 2010
 - closed Aug 31st, 2010
- September interim meeting - Sept 21st-22nd
 - 35 participants
 - Reviewed all 106 comments against D2.0
 - T(25), TR (20), E (50), and ERs (11)
 - Reviewed associated presentations
 - Motion to generate D2.1 and initiate a recirculation ballot
- D2.1
 - published on Sept 28th, 2010
 - conducted recirculation WG ballot
 - opened Oct 4th, 2010
 - closed Oct 23rd, 2010

Working Group Ballot Results

	D2.0 initial WG Ballot	D2.1 1st recirc ballot
Voters	144	144
Approve	71	82 *
Disapprove	9	1 (4*)
Abstain	3	3
Returns	83	86
Response Rate (>50% req'd)	57.6%	59.7%
Approval Rate (>75% req'd)	88.8%	97.6%
Abstain Rate (< 30% req'd)	3.6%	3.5%

* Number of disapprove votes at close of ballot was 4. 3 votes have subsequently been changed to “approve”.

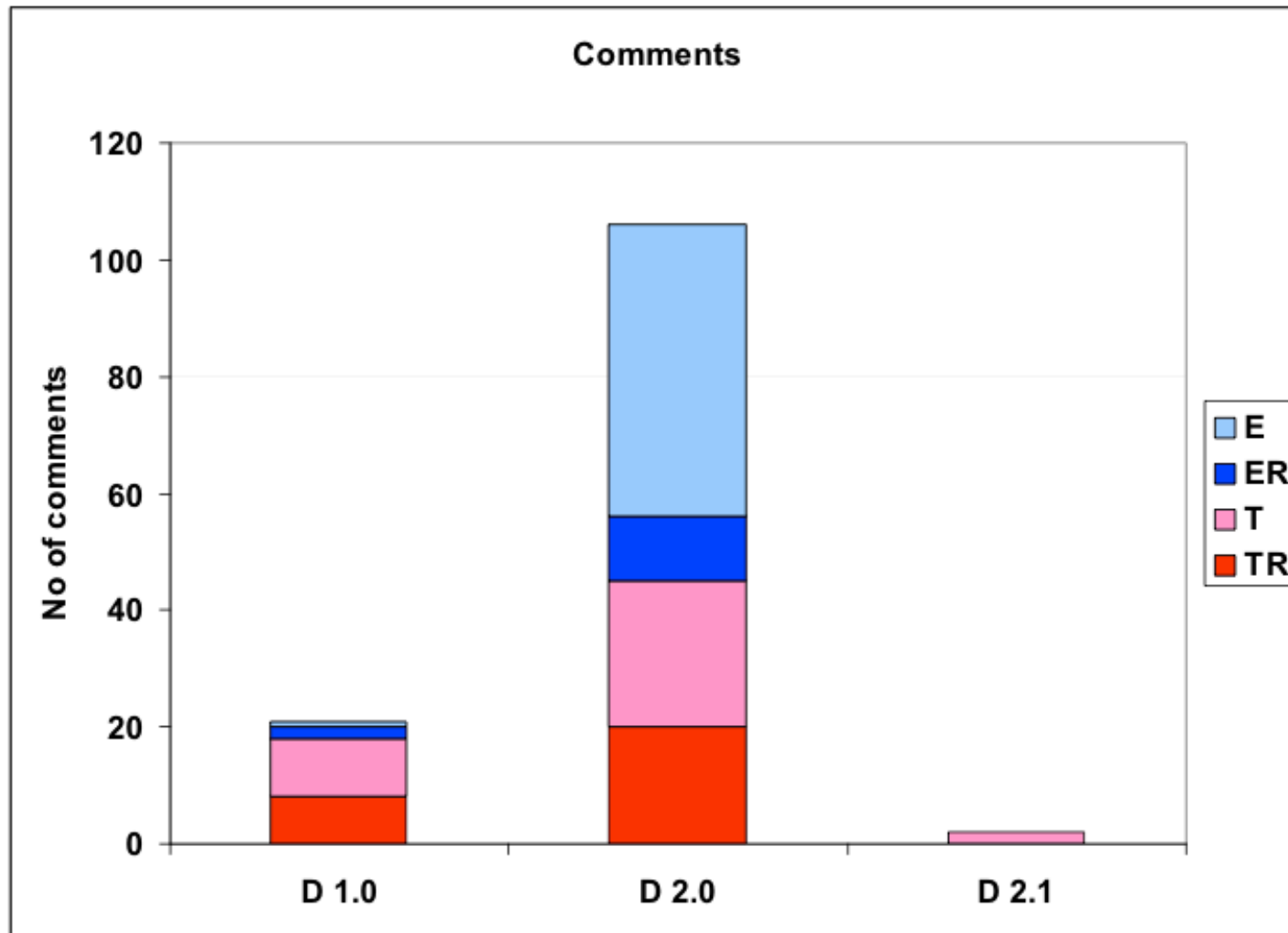
D2.0 Comment report

Description	Clause(s)	TR	T	ER	E	Total
Front matter, Intro	00, 1, A, 99	2	3	2	22	29
Management	30, 45	0	2	0	6	8
Introduction, PMA	80, 83	2	3	4	8	17
40GBASE-FR PMD	89	16	17	5	14	52
Total comments		20	25	11	50	106

D2.1 Comment report

Description	Clause(s)	TR	T	ER	E	Total
Front matter, Intro	00, 1, A, 99	0	0	0	0	0
Management	30, 45	0	0	0	0	0
Introduction, PMA	80, 83	0	0	0	0	0
40GBASE-FR PMD	89	0	2	0	0	2
Total comments		0	2	0	0	2

Comment history



Sept Interim motions

Motion #1

Move that the Task Force:

Accept comment resolutions from D2.0 as recorded in the comment database.

Directs the IEEE P802.3bg editor to generate Draft 2.1, based on Draft 2.0 and the resolution of comments against Draft 2.0.

Request Working Group Chair to conduct an IEEE 802.3 WG recirculation ballot for P802.3bg/D2.1.

Moved : M. Dudek Seconded : J D'Ambrosia

Technical ($\geq 75\%$)

Y: 20N: 0 A: 0

Motion: passes

Goals for this week

Meeting on Tues-only starting @ 9am

- Comment resolution
- Review technical presentation on dual-band receiver justification
- Generate D3.0
- Expect a motion to approve and forward D3.0 to WG for Sponsor ballot approval
- Expect a motion to WG request conditional RevCom submittal
 - enable Std to complete in March 2011 rather than June 2011

Future Meetings

- Future Meeting information at:
 - <http://www.ieee802.org/meeting/index.html>
- Jan 2011 IEEE 802.3 Interim
 - Jan 10th-13th (802.3bg currently estimated to meet on Tues 1/14)
 - Fort Lauderdale, Hyatt Regency Pier Sixty-Six
- Feb interim (if necessary)
 - Date TBD (~ Feb 7th, 2011)
 - Location TBD (likely Bay Area)
- March 2011 IEEE 802.3 Plenary
 - March 13-18
 - Marina Bay Sands, Singapore



Thank You!