



IEEE 802.3bg 40Gb/s SMF PMD Task Force

Closing Plenary Report

San Diego, CA

July 2010

40GE SMF PMD Task Force organization

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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).

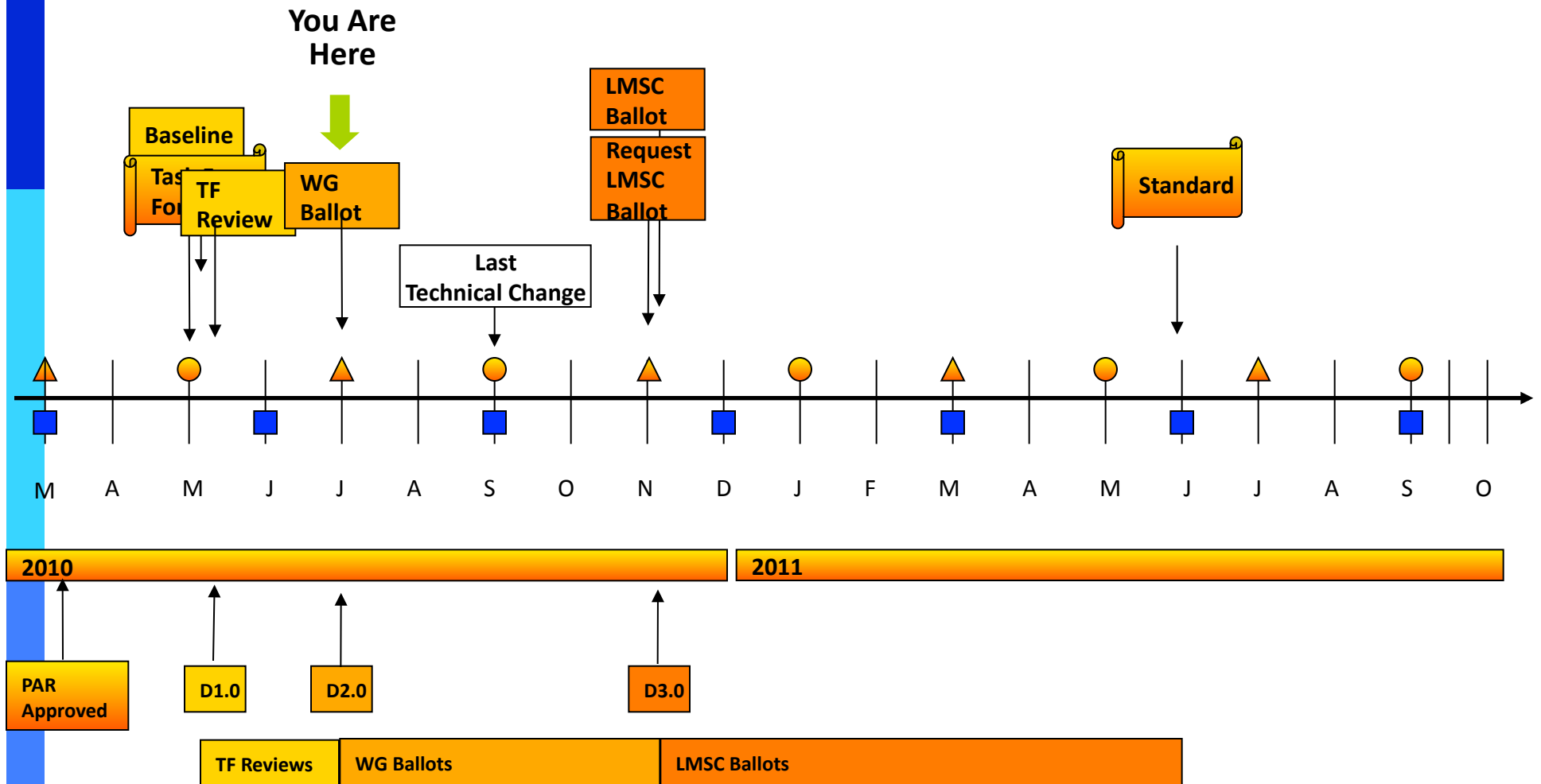
Accomplishments for this week

- Task Force adopted a schedule
- Completed comment resolution
 - We resolved all 21 comments received on D1.0
 - 2 technical presentation supporting comments
- Generation, Review, and Approval Draft 2.0
 - Motion #2: Approve the generation of Draft 2.0, based on Draft 1.0 and all resolved comments as recorded in “P802d3bg_D1p0_final_resp_C1.pdf”.
 - Results: All (y/n/a): 32/0/0
- Approval to request Working Group Ballot:
 - Motion #3: Move that the 802.3bg Task Force request that 802.3 circulate IEEE P802.3bg Draft 2.0 for an 802.3 Working Group Ballot and comment, and conduct re-circulations as necessary.
 - Results: All (y/n/a): 34/0/0

Comments received against D1.0

Description	Clause(s)	TR	T	ER	E	Total
Front matter, Intro	00, 1, A, 99	1	3	0	1	5
Management	30, 45	0	0	0	0	0
Introduction, PMA	80, 83	1	2	0	0	3
40GBASE-FR PMD	89	6	5	2	0	13
Total comments		8	10	2	1	21

IEEE P802.3bg Task Force Timeline



* adopted by the TF 7/10.

Legend

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

Working Group Motion

Request that 802.3 circulate IEEE P802.3bg Draft 2.0 for a 802.3 Working Group Ballot and comment, and conduct recirculations as necessary.

Moved by Mark Nowell on behalf of the Task Force

Technical Motion ($\geq 75\%$)

Results

802.3:

Y: 56

N: 0

A: 0

Motion passes

Next Step

- Comment response to WG Ballot on D2.0

Future Meetings

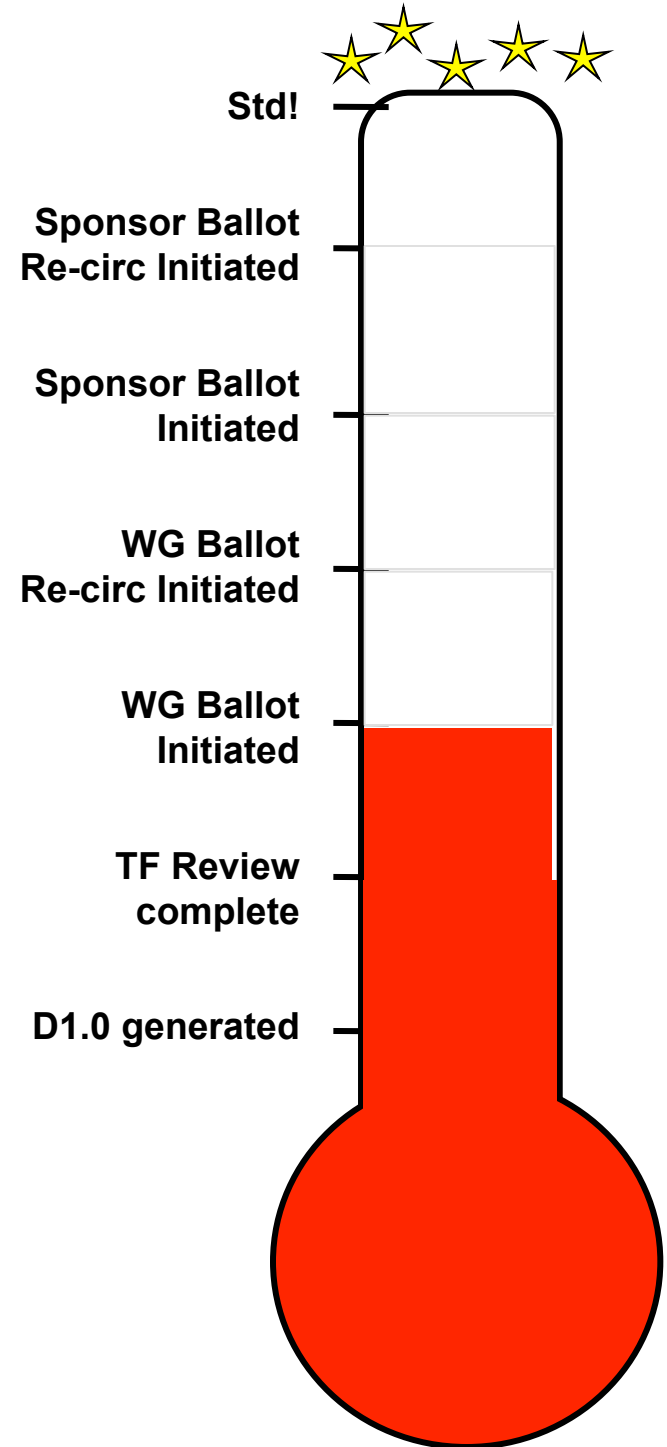
- Future Meeting information at:
 - <http://www.ieee802.org/meeting/index.html>
- Sept 2010 IEEE 802.3 Interim
 - Sept 20-23rd (802.3bg currently estimated to meet on Tues 9/21 – Thurs 9/23 am)
 - Portland, OR - Embassy Suites Hotel Downtown

Task Force Straw poll indicated that ~20 plan to attend

- Nov 2010 IEEE 802.3 Plenary
 - Nov 7-12
 - Hyatt Regency Dallas at Reunion, Dallas, Texas USA

Introducing the

**802.3bg
progress-o-
meter**



Thank You!