

IEEE P802.3av «10GE PON» Task Force

Report to IEEE 802.3 WG Opening Plenary

Glen Kramer
Chair, IEEE P802.3av Task Force
glen.kramer@teknovus.com

January TF Meeting Report

- 10G EPON TF had a 3-day meeting in Portland, OR
- 39 participants
- Reviewed 17 presentations
 - (8 presentations submitted from the floor)
- Resolved comments against D1.0
- Produced D1.1

Draft 1.1 Released Feb 8, 2008

- **Modified Clauses**

- **Clause 1:** Introduction
- **Clause 30:** Management
- **Clause 45:** Management Data Input/Output (MDIO) Interface

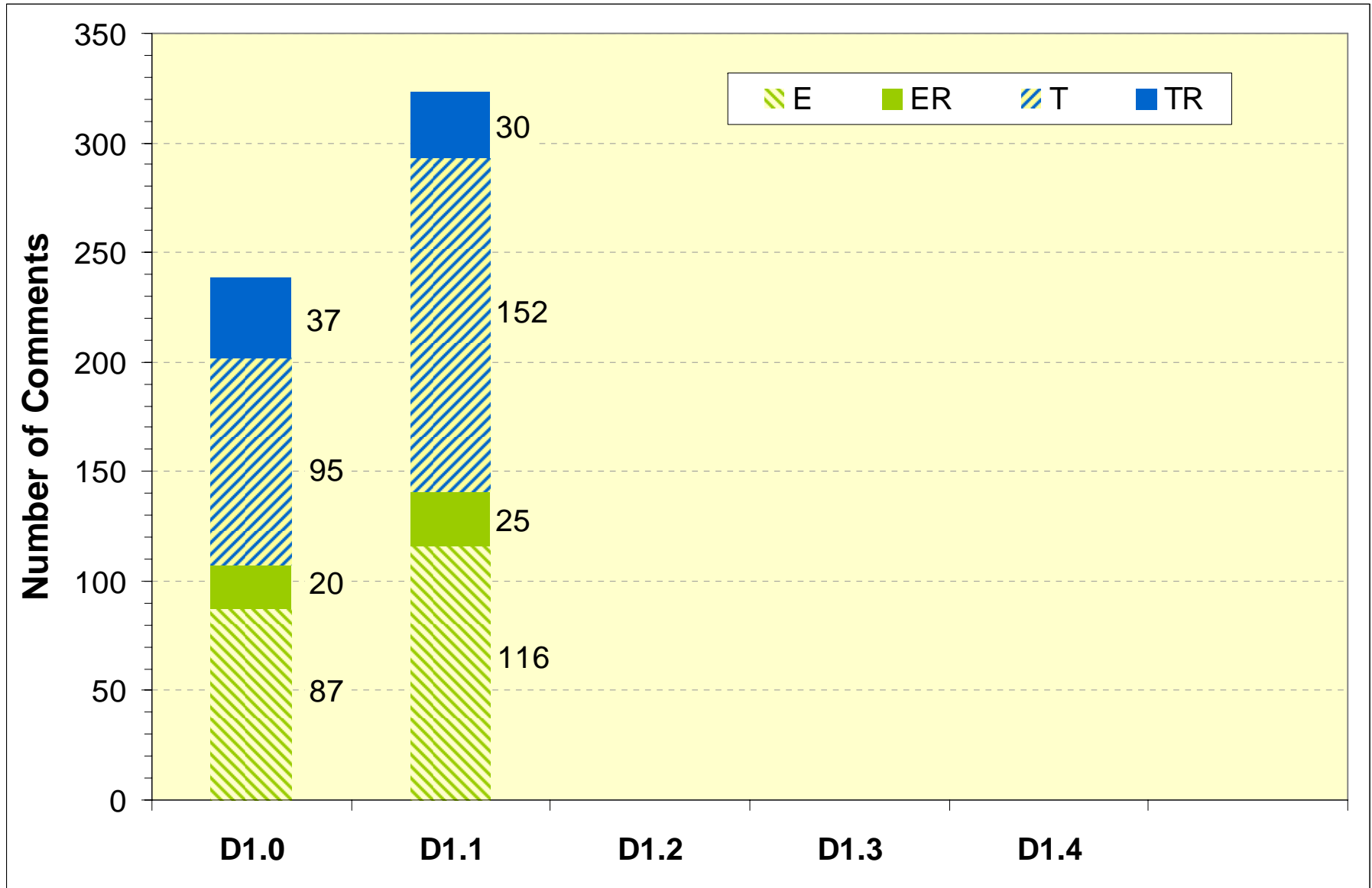
- **New Clauses**

- **Clause 91:** Physical Medium Dependent (PMD) sublayer and medium, type 10GBASE-PR (symmetric 10 Gb/s long wavelength passive optical networks) and 10/1GBASE-PRX (asymmetric 10 Gb/s downstream, 1 Gb/s upstream long wavelength passive optical networks)
- **Annex 91A:** Coexistence of 1 Gb/s (symmetric), 10 Gb/s (symmetric) and 10/1 Gb/s (asymmetric) Ethernet Passive Optical Networks (EPONs)
- **Clause 92:** Extensions of the Reconciliation Sublayer (RS) and Physical Coding Sublayer (PCS) / Physical Media Attachment (PMA) for 10GBASE-PR and 10/1GBASE-PRX for multipoint links and forward error correction
- **Clause 93:** Multipoint MAC Control for 10Gb/s EPON

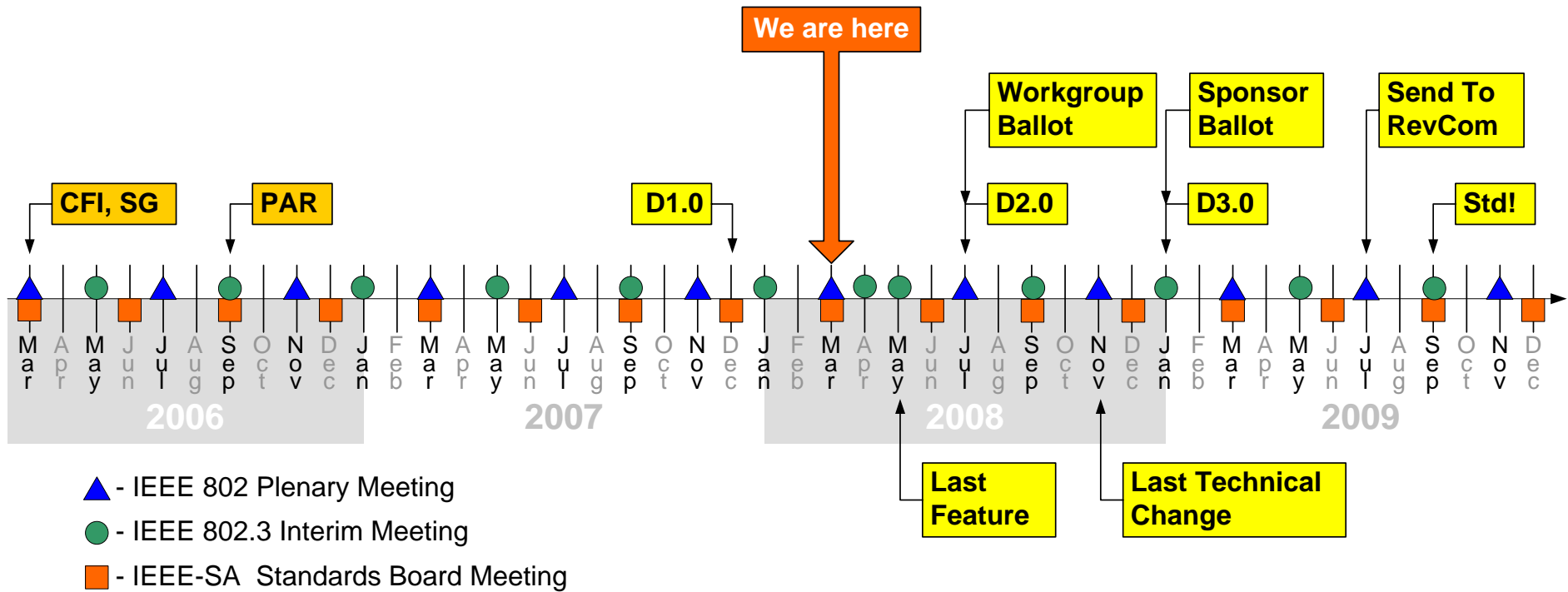
Big Ticket Items for March

- Coexistence clause (annex)
- C64 speed-agnostic prototype
- Idle Insertion FSM
- Management
- Burst timing
- Jitter and Loop Timing

Comments by Draft



TF Approved Project Timeline



Approved by TF on November 15, 2007

Y:29 N:0 A:4

P802.3av April Interim

- To stay on schedule, P802.3av TF will have an additional interim meeting
 - Location: Tokyo
 - Date: April 13-14, 2008
- Hosted by NTT
- Additional details:
http://www.anst.ntt.co.jp/Interim_Meeting/index.html

Reflector and Web

- To subscribe to 10GEPON reflector, send email to:
listserv@ieee.org
and include this line in the *body of the message*:
subscribe stds-802-3-10GEPON *firstname lastname*
(Currently ~380 subscribers on 10GEPON TF reflector)
- Our web site is located at:
<http://www.ieee802.org/3/av/>
- Private Directory
 - Username: **802.3av**
 - Password: *********