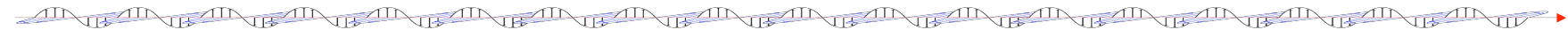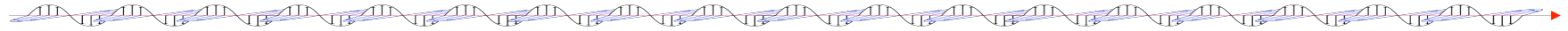# IEEE P802.3 WG
Opening Report

IEEE 802.3bm

40 Gb/s and 100 Gb/s Fiber Optic Task Force

Dan Dove

Applied Micro

San Antonio, TX – 12, Nov 2012
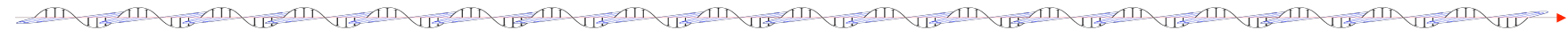
IEEE P802.3bm Task Force Organization
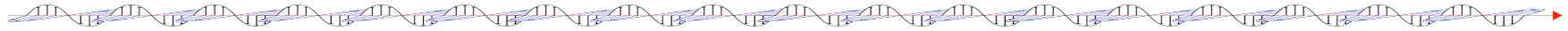
Dan Dove – Chair

Kapil Shrikhande – Vice Chair

Pete Anslow – Chief Editor, SMF Editor
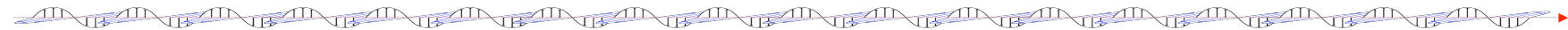
Jonathan King – MMF Editor
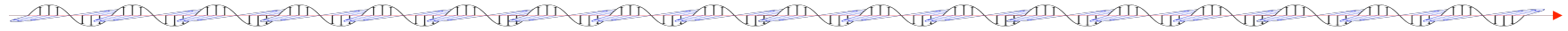
Ryan Latchman – CAUI-4 Editor

Reflector & Web

- To subscribe to the 40 Gb/s and 100 Gb/s Fiber Optic reflector
  send an email to: Listserve.ieee.org
  with the following in the body of the message (do not include"<>"):
  subscribe stds-802-3-100GNGOPTX <yourfirstname> <yourlastname

- Send 40 Gb/s and 100 Gb/s Fiber Optic reflector messages to:
 stds-802-3-100GNGOPTX-request@listserv.ieee.org

- Task Force web page URL:
  http://www.ieee802.org/3/bm/index.html

Project Documentation

- PAR

  http://www.ieee802.org/3/bm/P802.3bm.pdf

- 5 Criteria

  http://www.ieee802.org/3/bm/5Criteria.pdf

- Objectives

  http://www.ieee802.org/3/bm/Objectives.pdf

- Adopted Timeline

  http://www.ieee802.org/3/bm/timeline_0912.pdf [1]

(1) Timeline to be uploaded later today
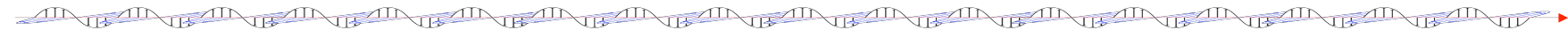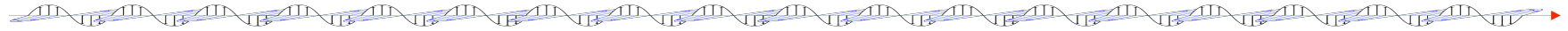
Task Force Private Area

- URL: http://www.ieee802.org/3/b/private/index.html
 - Username:
  - Password:

  To be provided

- Write it down…

- Note - The documents within are posted for your review only, and neither the drafts nor access information should be copied or redistributed to others in violation of document copyrights.
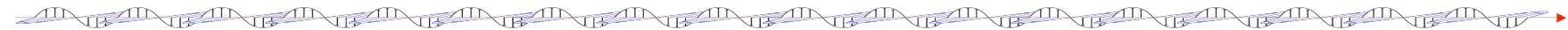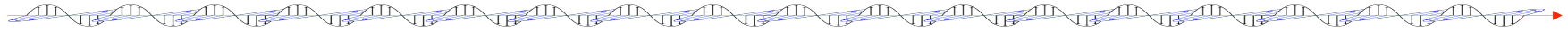
IEEE P802.3bm Task Force Objectives

- Support full-duplex operation only
- 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
- Provide appropriate support for OTN
- Define re-timed 4-lane 100G PMA to PMA electrical interfaces for chip to chip and chip to module applications
- Define a 40 Gb/s PHY for operation over at least 40 km of SMF
- Define a 100 Gb/s PHY for operation up to at least 500 m of SMF
- Define a 100 Gb/s PHY for operation up to at least 100 m of MMF
- Define a 100 Gb/s PHY for operation up to at least 20 m of MMF
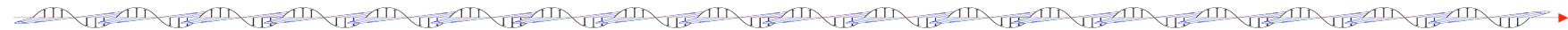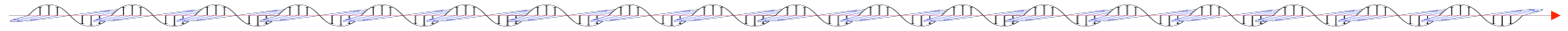
P802.3bm Adopted Timeline
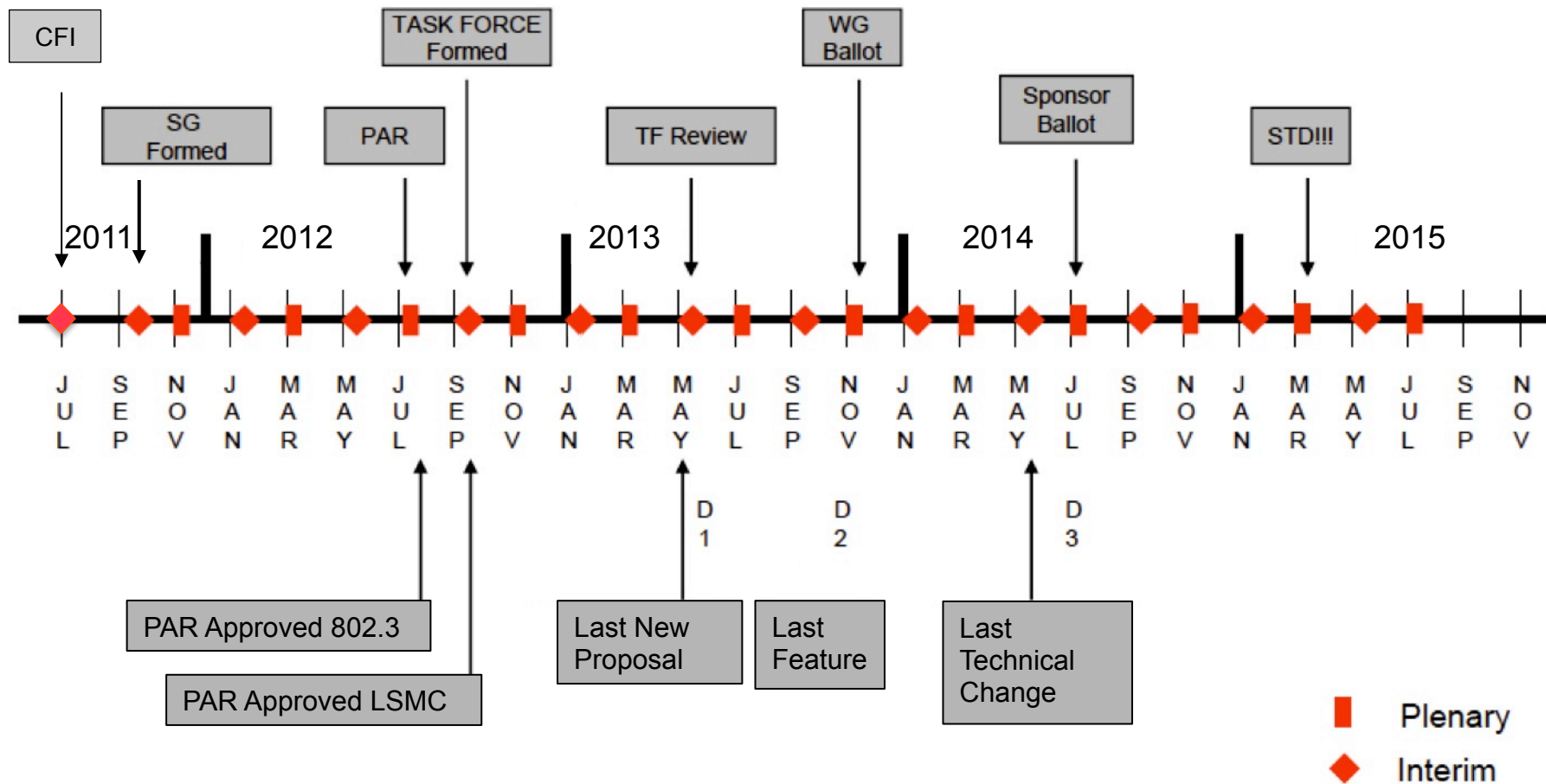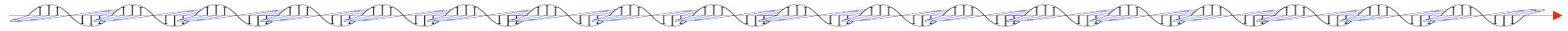
Activities Since July 2012 Plenary

- September Interim, Geneva CH
  - Hosted by ITU-T
  - 26 Presentations
  - Adopted our Schedule
  - One Baseline Proposal Adopted (40GBASE-ER)
  - Two Straw Polls related to EEE showed broad consensus on Thursday however significant abstentions related to support for 802.3ba interfaces
  - Motion to adopt EEE objective failed
    - Subsequent discussion may have resolved issues and a presentation to address concerns will be considered this week

- Ad hoc meetings
  - SMF held two ad hoc calls
  - MMF held face-to-face in July
  - CAUI-4 held three ad hoc calls
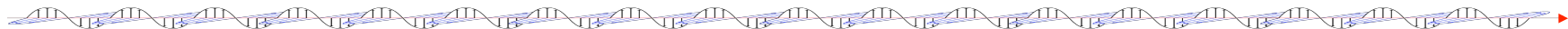
Review Goals for this week's meeting

- Review Task Force Operation & Schedule
- Review ad hoc Activities & Reports
- Presentation of Material Relevant to Our Objectives
- Consider Motions & Discussions
  - Consider baseline proposals
  - Lay the ground work for the next meeting
- Wrap Up & Future Meeting Discussion
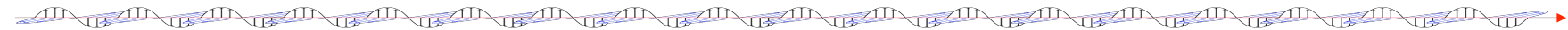
Meeting Info

We are meeting the following days/times/location
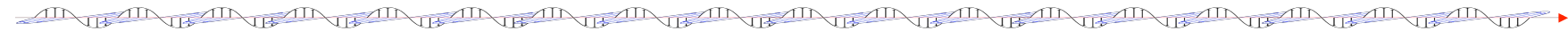
8:00am – 6:00pm Tuesday, **Texas D (4th Level)**

8:00am – 6:00pm Wednesday, **Texas D (4th Level)**

8:00am – 12:00pm Thursday, **Texas D (4th Level)**

See the website for presentations and minutes

http://www.ieee802.org/3/bm/public/index.html (Public Index)

http://www.ieee802.org/3/bm/public/nov12/index.html (November Index)

Thank you