Agenda and General Information

IEEE 802.3cc

Serial 25 Gb/s Ethernet Operation Over Single-Mode Fiber Task Force

David Lewis, Lumentum

San Diego, CA, July 26th, 2016

Agenda

- Appointment Editor and Recording Secretary
- Approve Agenda
- Welcome and Introductions
- Approve Minutes
- Reflector and Web
- Ground Rules
- IEEE
  - Structure, Bylaws and Rules
  - Call for Patents
  - IEEE Standards Process
- Goals for this meeting
- Big Ticket Items
- Presentations
- Motions and Closing Business
- Future Meetings

P802.3cc Task Force organization

- Chair: David Lewis, Lumentum
- Recording Secretary: Kenneth Jackson, Sumitomo
- Chief Editor: Kohichi Tamura, Oclaro
- Ad hoc Chair: Peter Jones, Cisco

Task Force Decorum

- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (December 2013 IEEE-SA Standards Board Ops Manual 5.3.3.5)
- Photography or recording by permission only (December 2013 IEEE-SA Standards Board Ops Manual 5.3.3.4)
- Cell phone ringers off
- Wear your badges at all times in meeting areas
  - Help the hotel security staff improve the general security of the meeting rooms
  - **PCs HAVE BEEN STOLEN** at previous meetings
  - **DO NOT** assume that meeting areas are secure
- Please observe proper decorum in meetings

Reflector and Web

- To subscribe to the 25Gb/s Ethernet over Single-Mode Fiber Task Force reflector, send an email to:

  ListServ@ieee.org

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

  subscribe* stds-802-3-25GSMF *<yourfirstname> <yourlastname>

  end

- Send 25Gb/s Ethernet over Single-Mode Fiber reflector messages to:

  stds-802-3-25GSMF@listserv.ieee.org

- Task Force web page URL:

  http://www.ieee802.org/3/cc/index.html Username/password #2 = 802.3cc/***********
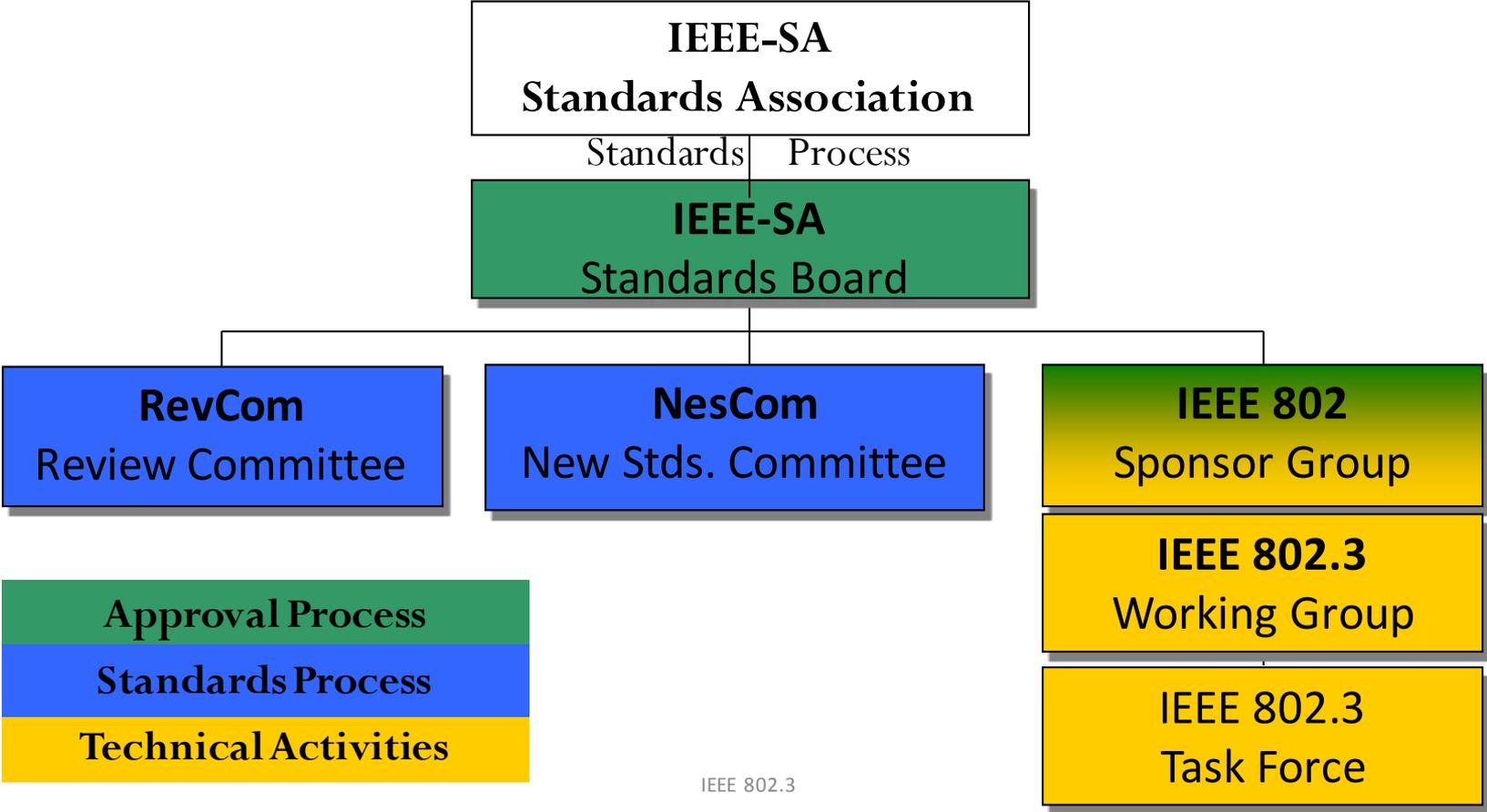
Ground Rules

- Based upon IEEE 802.3 Rules
  - Foundation based upon Robert's Rules of Order
  - Anyone in the room may speak
  - Anyone in the room may vote
- **RESPECT**... give it, get it
- NO product pitches
- NO corporate pitches
- NO prices!!!
  - This includes costs, ASPs, etc. no matter what the currency
- NO restrictive notices

Attendance

- Tutorial Material on attendance tool
  - http://ieee802.org/3/minutes/attendance_procedures.pdf
- Access details
  - URL: http://imat.ieee.org/
  - Use your imat login
    - (must be on meeting SDID – no VPN)

IEEE Structure

Important Bylaws and Rules

- **IEEE-SA Operations Manual**
  http://standards.ieee.org/develop/policies/sa_opman/

- **IEEE-SA Standards Board Bylaws**
  http://standards.ieee.org/develop/policies/bylaws/

- **IEEE-SA Standards Board Operations Manual**
  http://standards.ieee.org/develop/policies/opman/

- **IEEE 802 LAN/MAN Standards Committee (LMSC) Policies and Procedures**
  http://standards.ieee.org/about/sasb/audcom/pnp/LMSC.pdf

- **IEEE 802 LAN/MAN Standards Committee (LMSC) Operations Manual**
  http://www.ieee802.org/devdocs.shtml

- **IEEE 802 LAN/MAN Standards Committee (LMSC) Working Group (WG) Policies and Procedures**
  http://www.ieee802.org/devdocs.shtml

- **IEEE 802.3 Working Group Operating Rules**
  http://ieee802.org/3/rules/P802_3_rules.pdf

Participants, Patents, and Duty to Inform

All participants in this meeting have certain obligations under the IEEE-SA Patent Policy.

- **Participants [Note: Quoted text excerpted from IEEE-SA Standards Board Bylaws subclause 6.2]:**
  - **"Shall inform the IEEE (or cause the IEEE to be informed)" of the identity of each "holder of any potential Essential Patent Claims of which they are personally aware" if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents**
  - **"Should inform the IEEE (or cause the IEEE to be informed)" of the identity of "any other holders of potential Essential Patent Claims" (that is, third parties that are not affiliated with the participant, with the participant's employer, or with anyone else that the participant is from or otherwise represents)**
- **The above does not apply if the patent claim is already the subject of an Accepted Letter of Assurance that applies to the proposed standard(s) under consideration by this group**
- **Early identification of holders of potential Essential Patent Claims is strongly encouraged**
- **No duty to perform a patent search**

<u>**Slide #1**</u>

Patent Related Links

All participants should be familiar with their obligations under the IEEE-SA Policies & Procedures for standards development.

Patent Policy is stated in these sources:

IEEE-SA Standards Boards Bylaws

http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#6

IEEE-SA Standards Board Operations Manual

http://standards.ieee.org/develop/policies/opman/sect6.html#6.3

Material about the patent policy is available at

http://standards.ieee.org/about/sasb/patcom/materials.html

If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at patcom@ieee.org or visit http://standards.ieee.org/about/sasb/patcom/index.html

This slide set is available at
https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.ppt
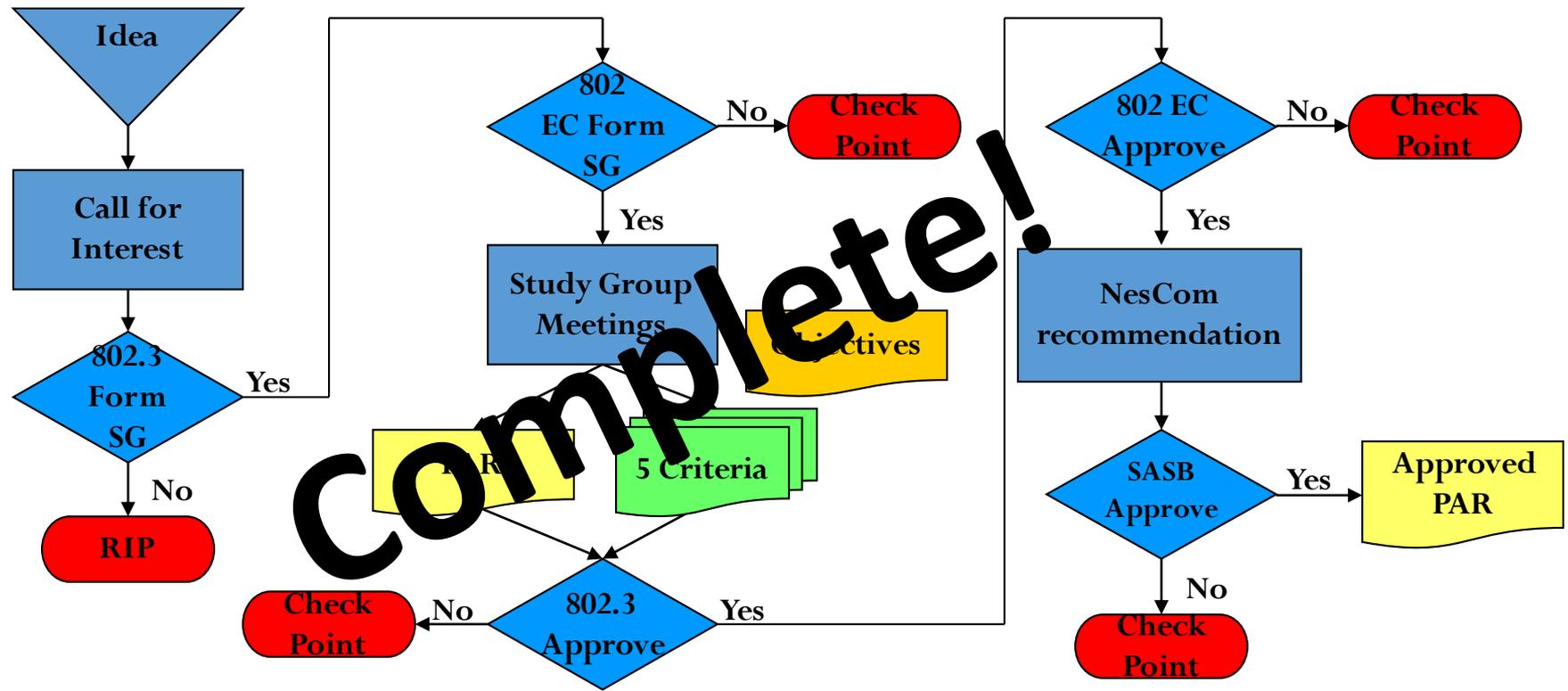
Slide #2

Call for Potentially Essential Patents

- If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance:
  - Either speak up now or
  - Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible or
  - Cause an LOA to be submitted

Slide #3

Other Guidelines for IEEE WG Meetings

- **All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.**

  - **Don't discuss the interpretation, validity, or essentiality of patents/patent claims.**

  - **Don't discuss specific license rates, terms, or conditions.**

    - Relative costs, including licensing costs of essential patent claims, of different technical approaches may be discussed in standards development meetings.

      - Technical considerations remain primary focus

  - **Don't discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.**

  - **Don't discuss the status or substance of ongoing or threatened litigation.**

  - **Don't be silent if inappropriate topics are discussed … do formally object.**

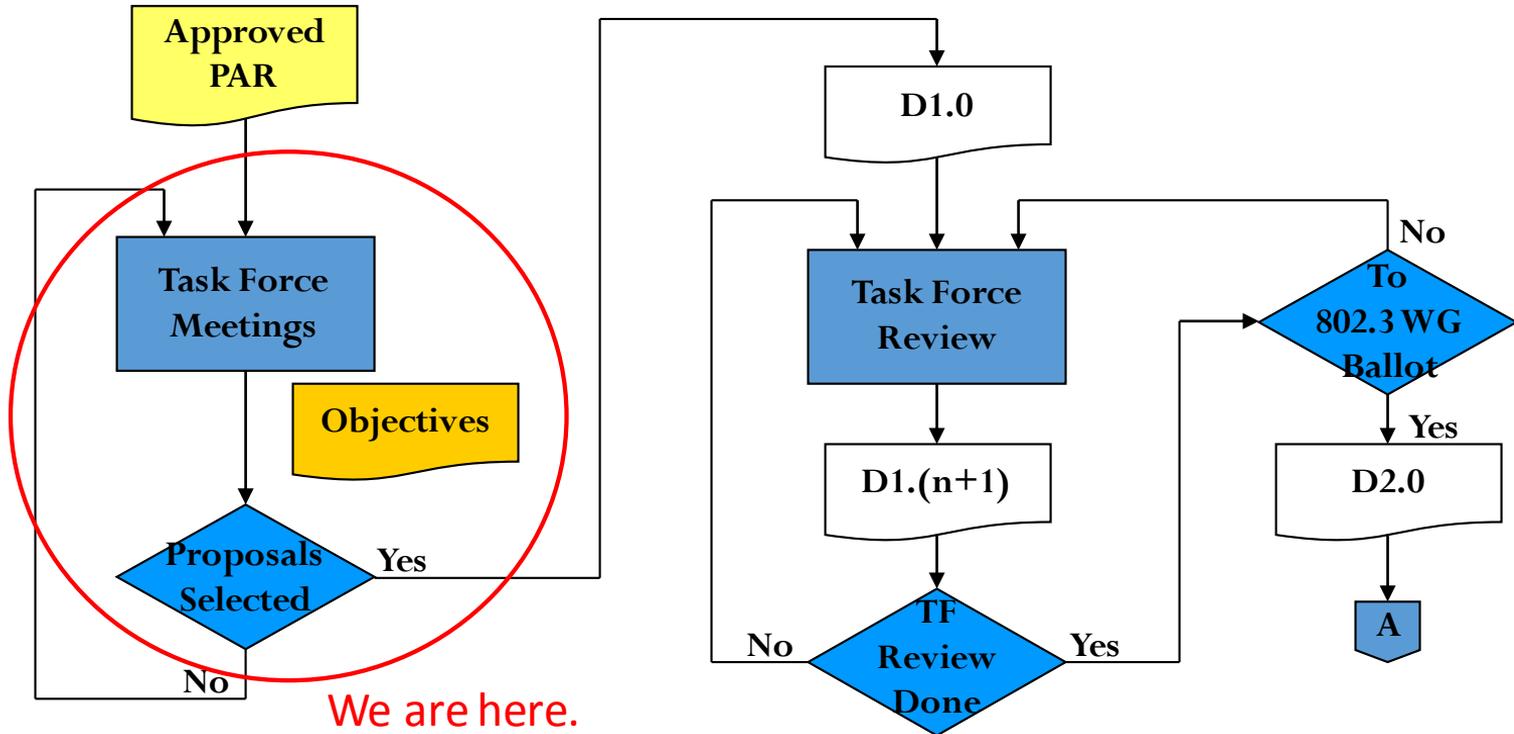--

See *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and "Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association's Antitrust and Competition Policy" for more details.
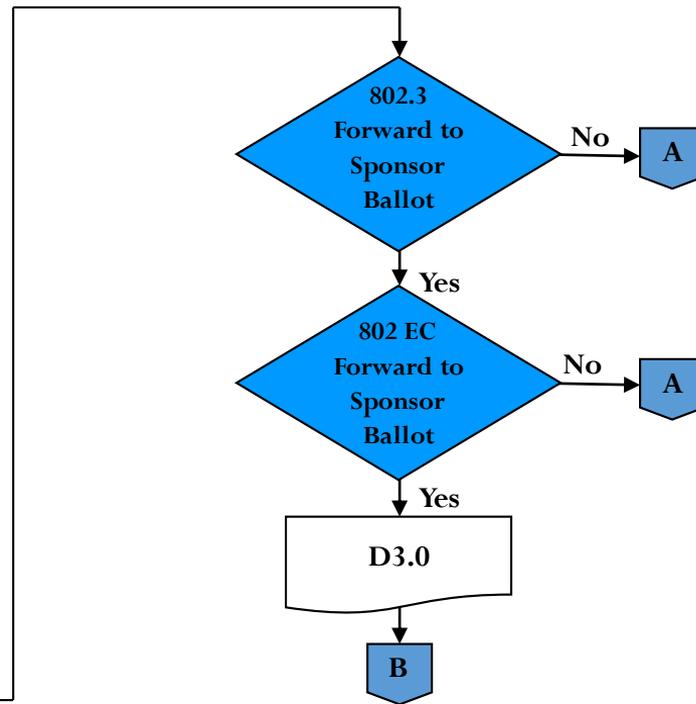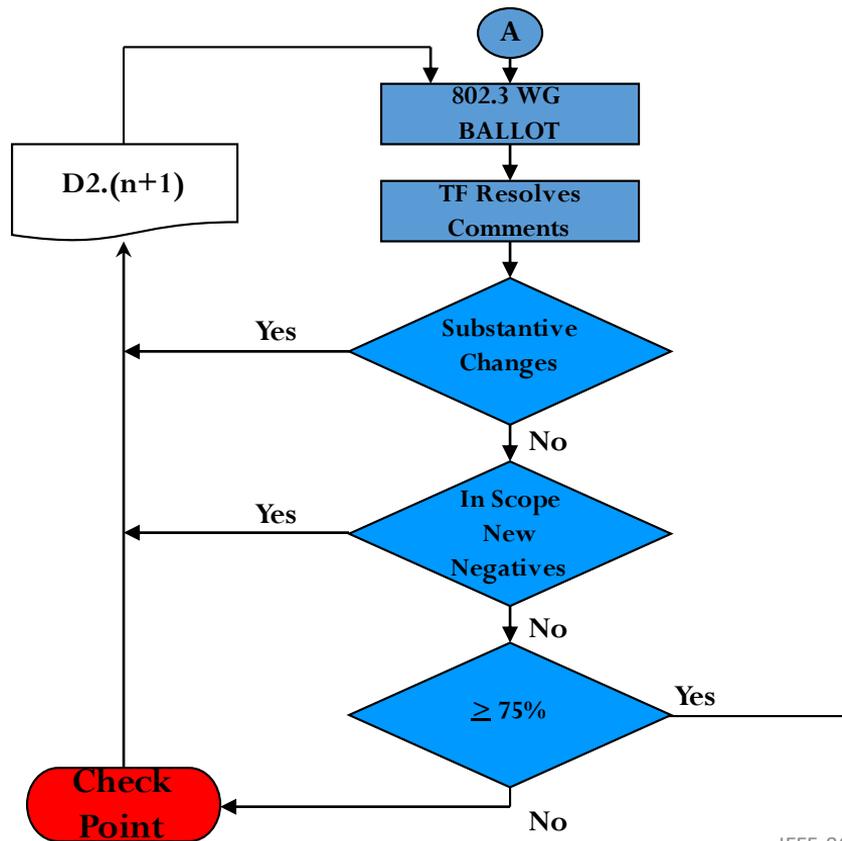
Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

Overview of IEEE 802.3 Standards Process (2/5) – Task Force Comment Phase
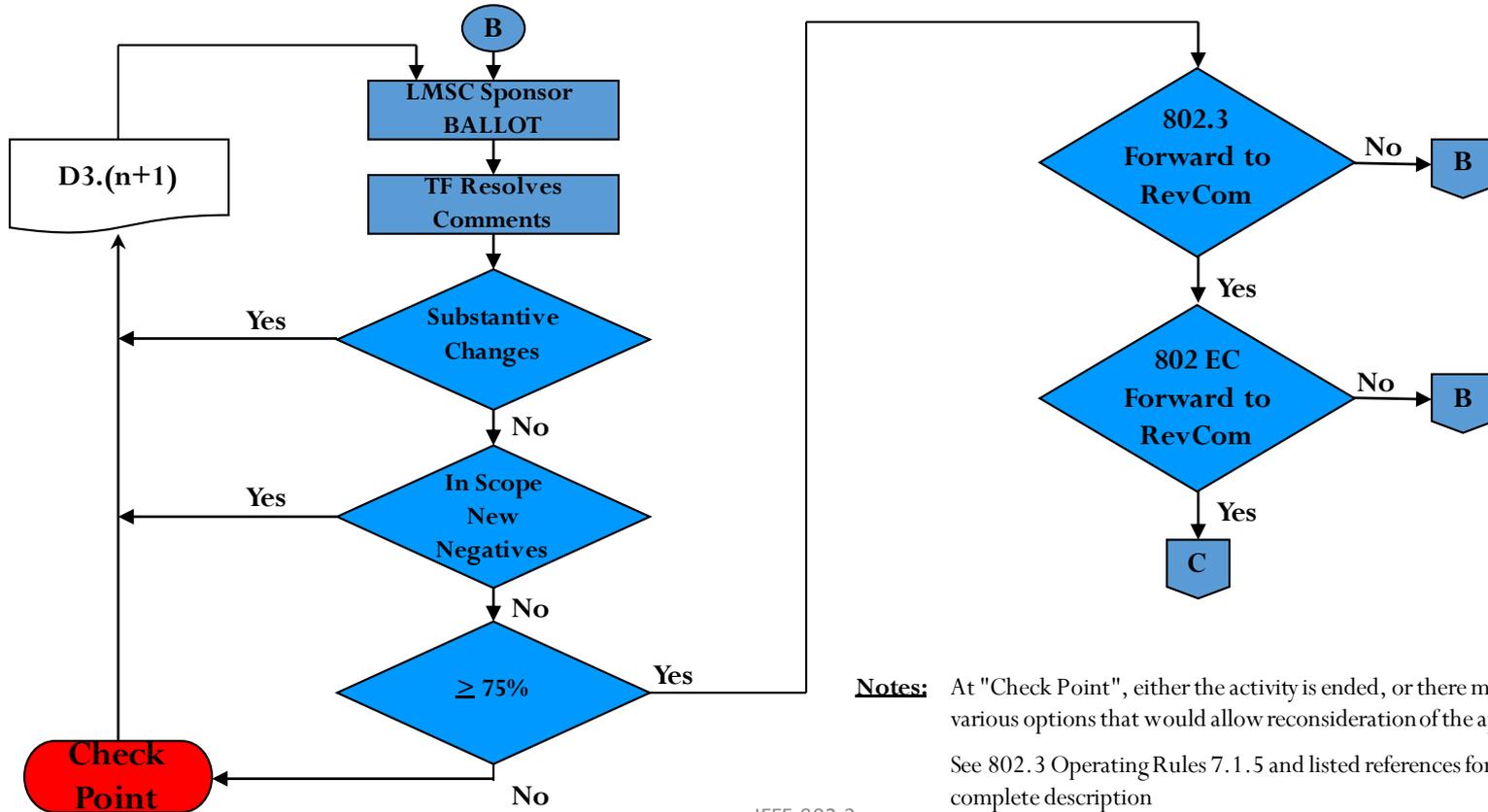
Notes: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.
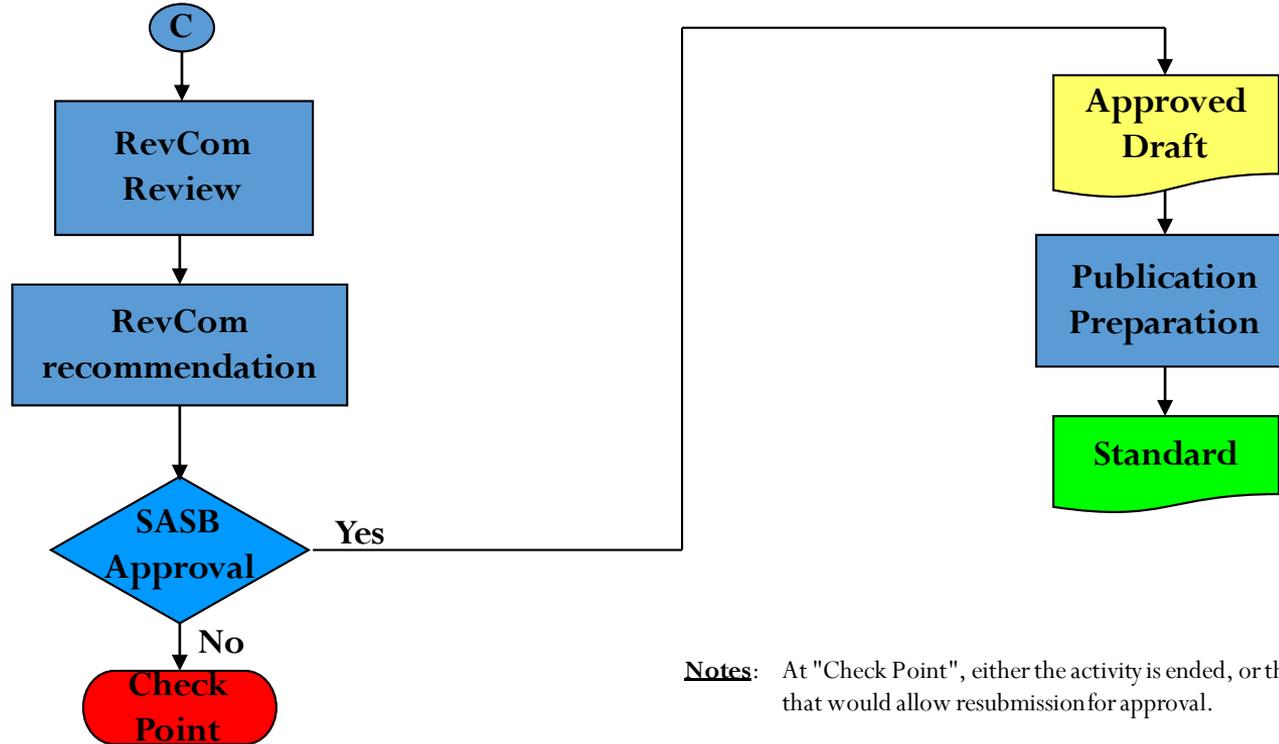
See 802.3 Operating Rules 7.1.4 and listed references for complete description

Overview of IEEE 802.3 Standards Process (4/5)- Sponsor 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 7.1.5 and listed references for complete description

Overview of IEEE 802.3 Standards Process (5/5) – Final Approvals / Standard Release

Notes: At "Check Point", either the activity is ended, or there may be various options that would allow resubmission for approval.

IEEE P802.3cc 25 Gb/s Ethernet over Single-Mode Fiber Task Force Approved Project Documents

- PAR
  - http://www.ieee802.org/3/25GSMF/P802_3cc_PAR_180316.pdf
- CSD
  - http://www.ieee802.org/3/cc/P802_3cc_CSD.pdf
- Objectives
  - http://www.ieee802.org/3/cc/P802_3cc_Objectives.pdf
- Draft Timeline
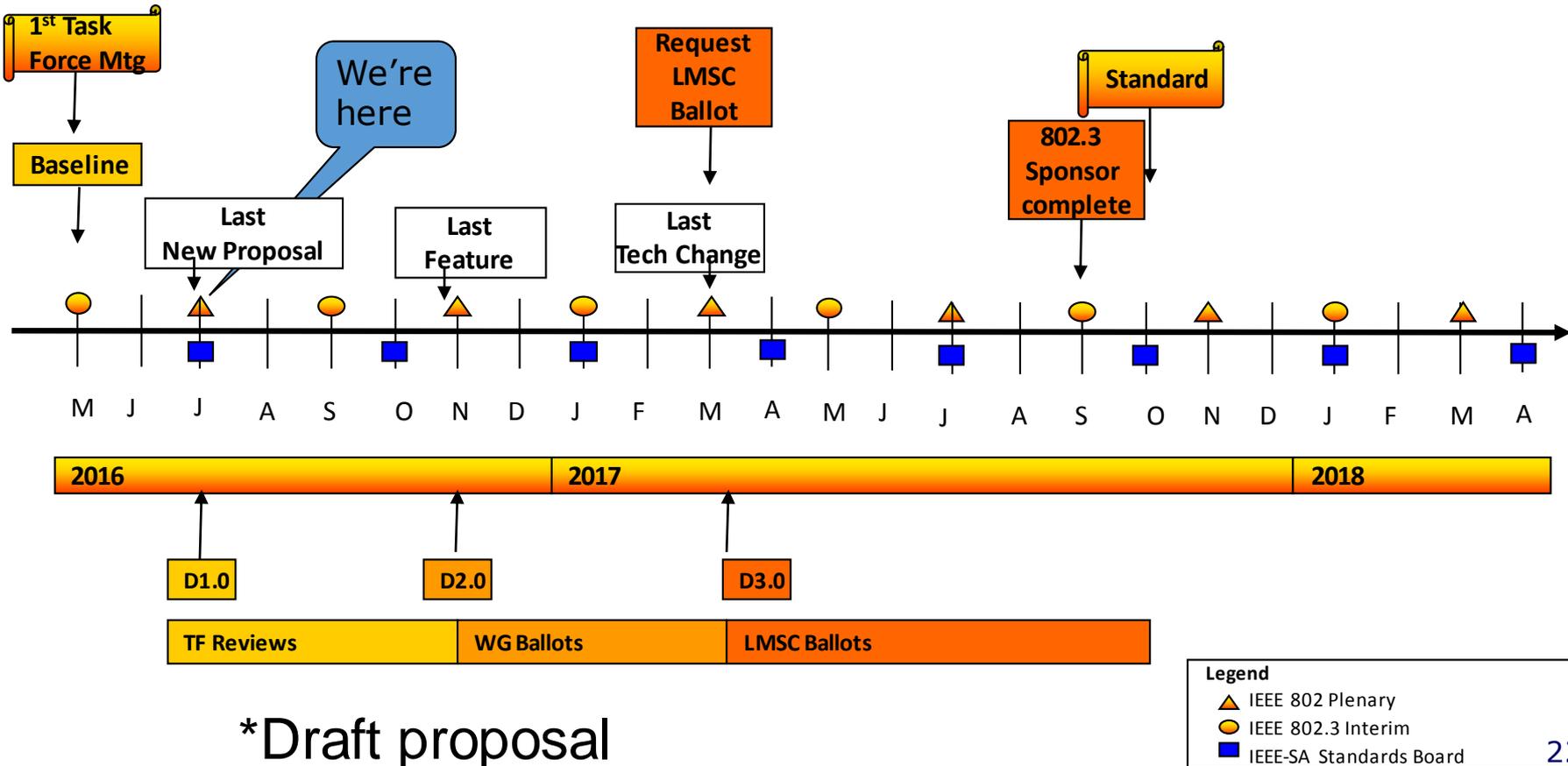 - http://www.ieee802.org/3/cc/Draft_Timeline_0716.pdf

IEEE P802.3cc 25Gb/s Ethernet over Single-Mode Fiber TF Objectives

- Support a MAC data rate of 25Gb/s

- Support full-duplex operation only

- Preserve the Ethernet frame format utilizing the Ethernet MAC

- Preserve minimum and maximum Frame Size of current IEEE 802.3 standard

- Support a BER of better than or equal to 10^{-12} at the MAC/PLS service interface (or the frame loss ratio equivalent)

- Support optional Energy-Efficient Ethernet operation

- Provide physical layer specification which support 25 Gb/s operation over at least 10 km on SMF

- Provide physical layer specification which support 25 Gb/s operation over at least 40 km on SMF

- Provide appropriate support for OTN

Goals for the meeting

- Our second meeting as a Task Force
  - Approve project schedule
  - Review D0.3 and be ready to issue D1.0 & start TF Reviews
  - Conduct motion(s) needed to move to Task Force review.

IEEE P802.3cc Task Force Timeline*

*Draft proposal

22

Presentations – Tues July 25th

	Time	Presenter	Affiliation	Title	File Name	Duration
Tuesday						
26-Jul-16	9:00 AM	David Lewis	Lumentum	Agenda and General Information	agenda_3cc_01a_0716.pdf	1:00
	10:00 AM	Peter Jones	Cisco	Ad Hoc Report	jones_3cc_01_0716.pdf	0:20
	10:20 AM	Break				
	10:45 AM	Kohichi Tamura	Oclaro	Editor's Report	tamura_3cc_01_0716.pdf	0:25
	11:10 AM	Kohichi Tamura	Oclaro	Review of D0.3 with markup from D0.2	(in private area)	0:50
	12:00 PM	Lunch				
	1:00 PM	Discussion, Straw Polls & Motions				2:00
	3:00 PM	Adjourn				

Note – Times listed are subject to change.

Updated versions will be captured with new filename versions

Ad hoc

Charter

The charter of the 25 Gb/s Ethernet over Single-Mode Fiber Task Force Ad Hoc is to address all issues in relation to the optical PMDs to ensure progress towards a technically complete draft.

Ad-hoc meeting plans

Single on-going weekly meetings, all topics (will cycle) – agendas will be published. 90 mins.

Wed. 2-3:30 Pacific

Future Meetings & Ad hocs

- Ad-hoc meeting plans
  - Single on-going weekly meetings, all topics – agendas will be published. 90 mins.
  - Wed 2-3:30 Pacific proposed
- See: http://www.ieee802.org/3/cc/public/adhoc/index.shtml

- Sept 2016 Interim
  - Ft. Worth, TX
  - Week of Sept 12th, 2016

- Nov 2016 Plenary
  - San Antonio, TX
  - Nov 7-10th, 2016

- Jan 2017 Interim
  - North American location and venue TBD
  - Week of Jan 9th, 2017
- Anyone interested in hosting a interim meeting contact me or the IEEE 802.3 Executive Secretary Steve Carlson.

Thank You!