

Agenda and General Information

IEEE 802.3
400 Gb/s Ethernet Study Group

John D'Ambrosia, Dell
York, UK
IEEE 802.3 Sept 2013 Interim

Agenda

- Appointment of Recording Secretary
- Welcome and Introductions
- Approve Agenda
- Approve July Plenary Minutes
- Goals for this meeting
- Reflector and Web
- Ground Rules
- IEEE
 - Structure
 - Bylaws and Rules
 - Guidelines for IEEE-SA Meetings
 - IEEE Standards Process
- Time Line Discussion
- Liaisons & Communications
- Ad Hoc Reports
- Presentations
- Discussion, Straw Polls, Motions
- Closing Business
- Future Meetings

Task Force Decorum



- Photography or recording by permission only (2010 SASB Op Manual 5.3.3.4)
- Cell phone ringers off
- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (5.3.3.5)
- 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

Goals for the meeting week

- Discussion of Timelines
- Hear presentations
- Develop consensus on Objectives
- Lay the ground work for the next meeting
- Liaison - ITU-T SG15 Response

Reflector and Web

- To subscribe to the 400G reflector, send an email to:

ListServ@ieee.org

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

*subscribe stds-802-3-400G <yourfirstname> <yourlastname>
end*

- Send 400G reflector messages to:

STDS-802-3-400G@listserv.ieee.org

- Task Force web page URL:

<http://www.ieee802.org/3/400GSG/index.html>

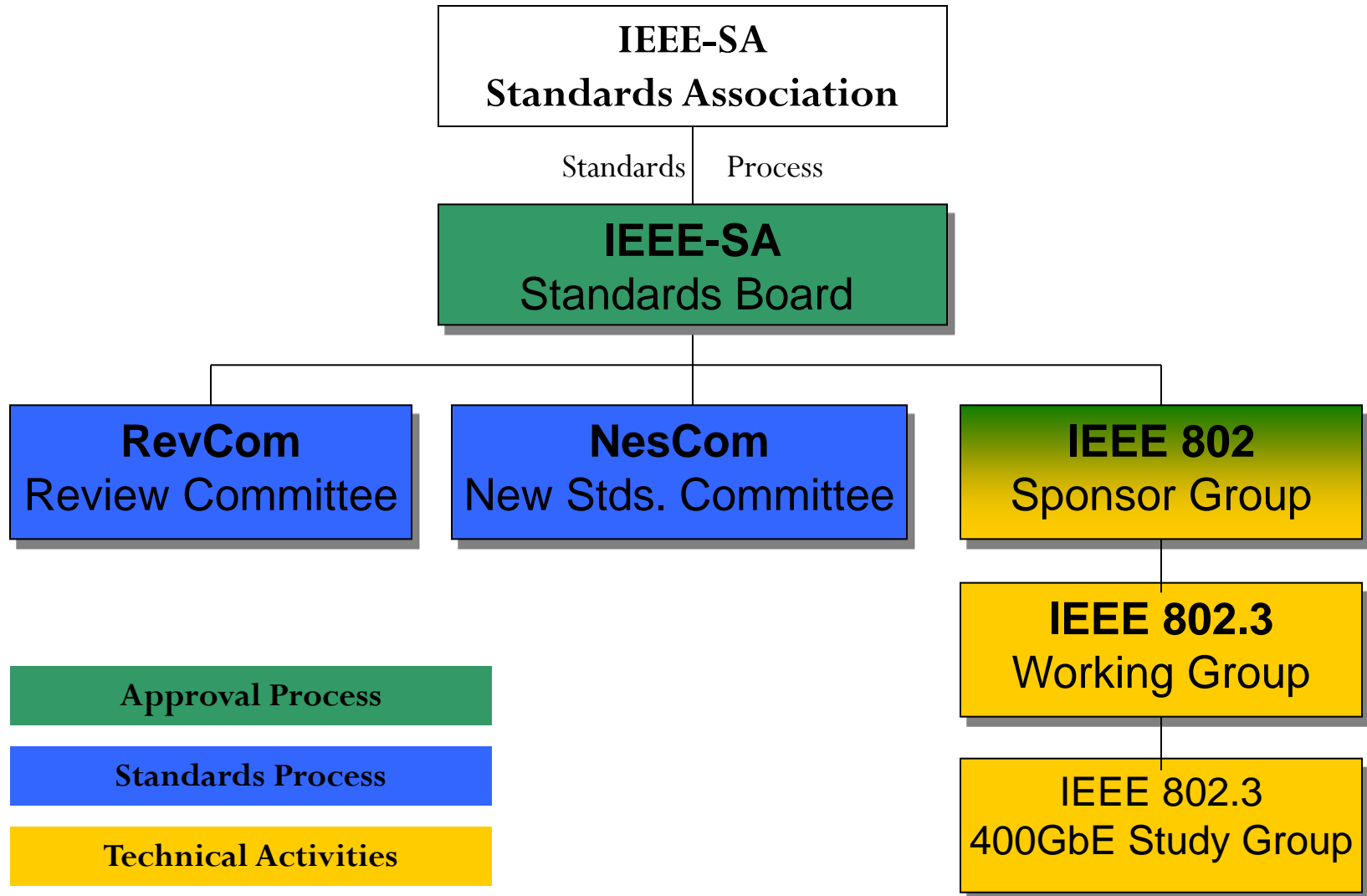
- Ad hoc area URL:

<http://www.ieee802.org/3/400GSG/public/adhoc/index.shtml>

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

IEEE Structure



Important Bylaws, Rules, & References

- **IEEE-SA Operations Manual**
<http://standards.ieee.org/sa/sa-om.pdf>
- **IEEE-SA Standards Board Bylaws**
<http://standards.ieee.org/guides/bylaws/sb-bylaws.pdf>
- **IEEE-SA Standards Board Operations Manual**
<http://standards.ieee.org/guides/opman/sb-om.pdf>
- **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/PNP/2010-07/IEEE_802_LMSC_OM_approved_100716.pdf
- **IEEE 802 LAN/MAN Standards Committee (LMSC) Working Group (WG) Policies and Procedures**
http://www.ieee802.org/PNP/2010-07/IEEE_802_LMSC_WG_PandP_approved_100716.pdf
- **IEEE 802.3 Working Group Operating Rules**
http://ieee802.org/3/rules/P802_3_rules.pdf
- **“Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association's Antitrust and Competition Policy”**
<http://standards.ieee.org/develop/policies/antitrust.pdf>

Guidelines for IEEE-SA Meetings

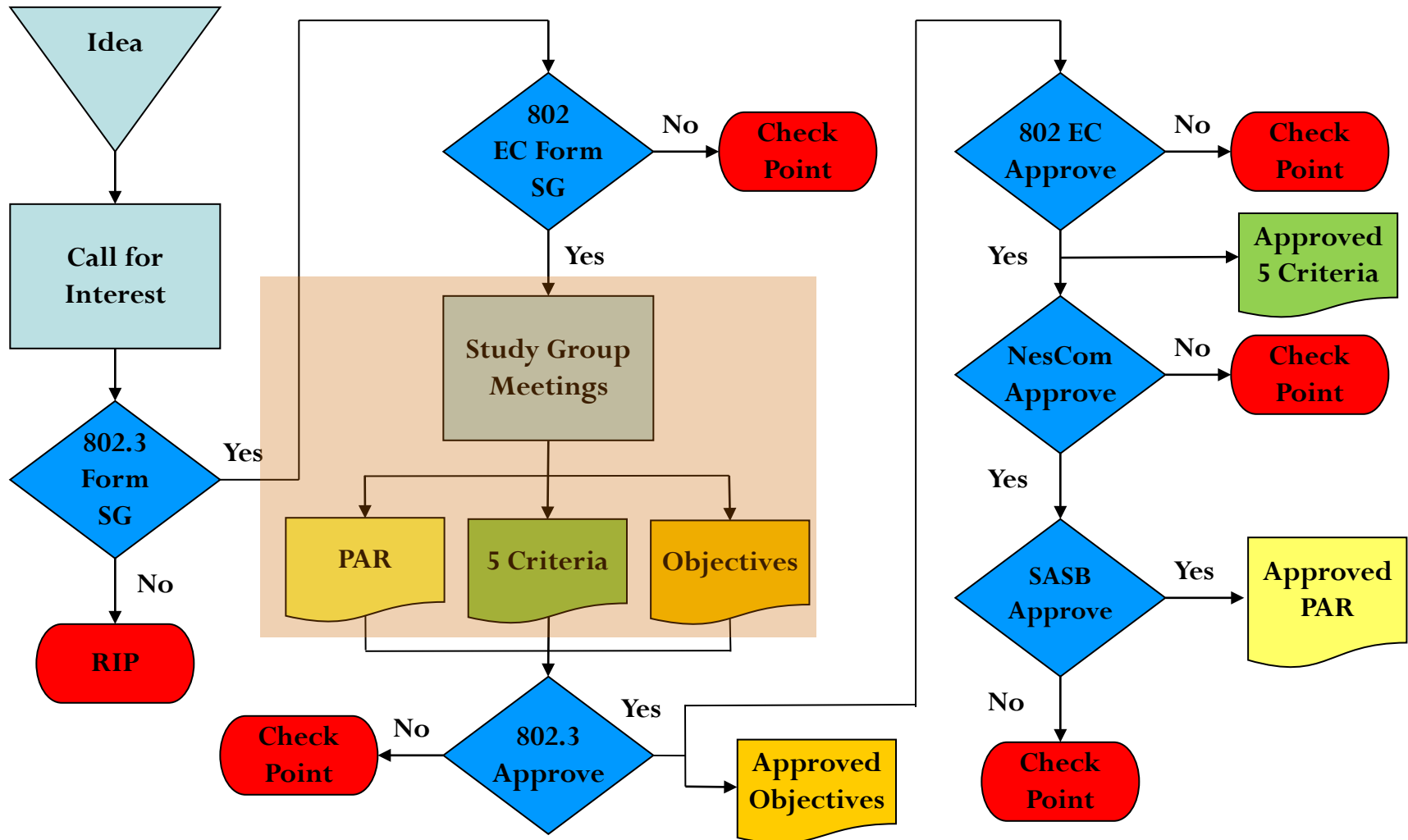
- All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.
- Don't discuss the interpretation, validity, or essentiality of patents/patent claims.
- Don't discuss specific license rates, terms, or conditions.
 - Relative costs, 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.

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>

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.

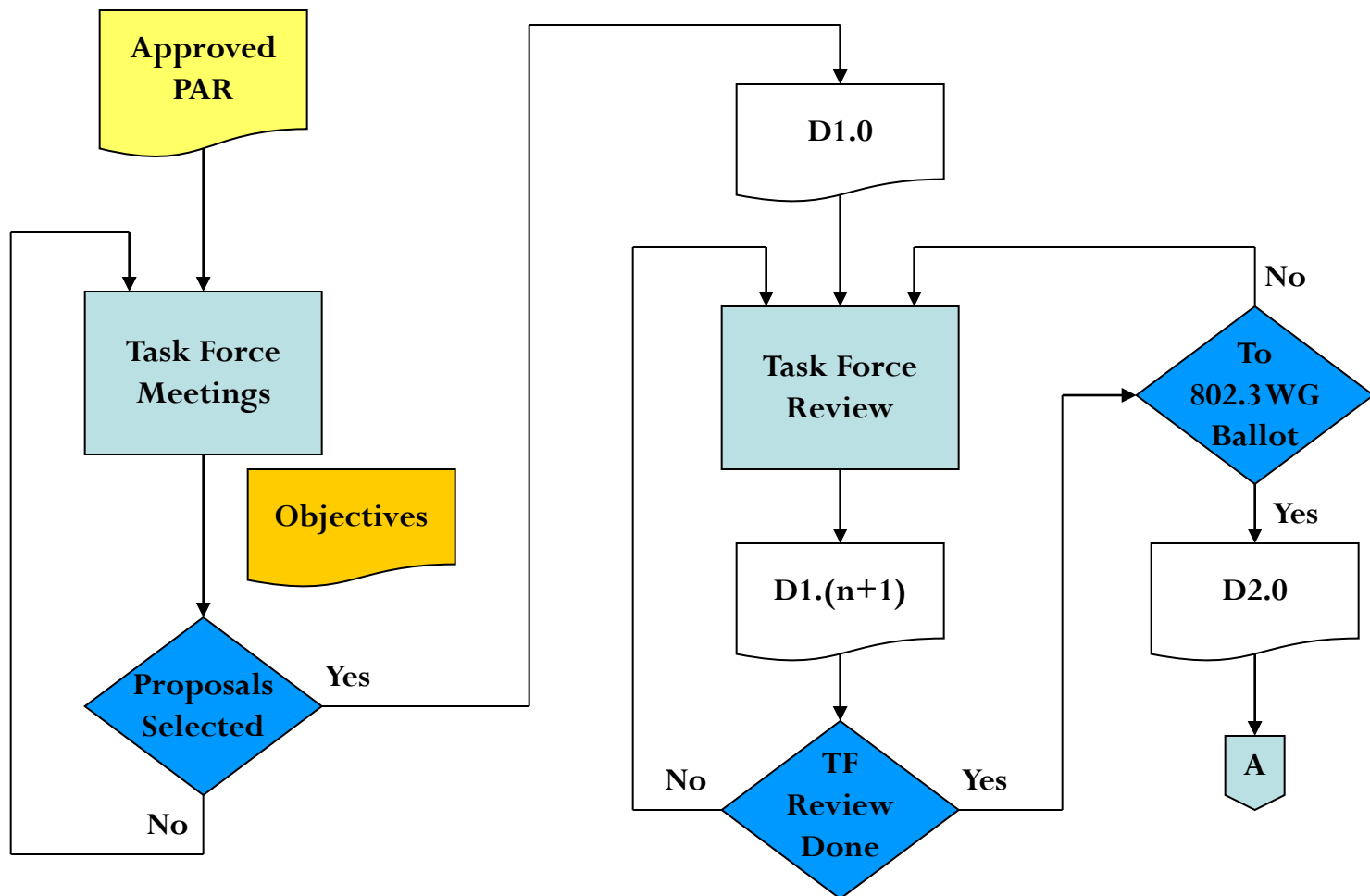
This slide set is available
at <https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.ppt>

Overview of IEEE 802.3 Standards Process (1/5)- Study Group Phase

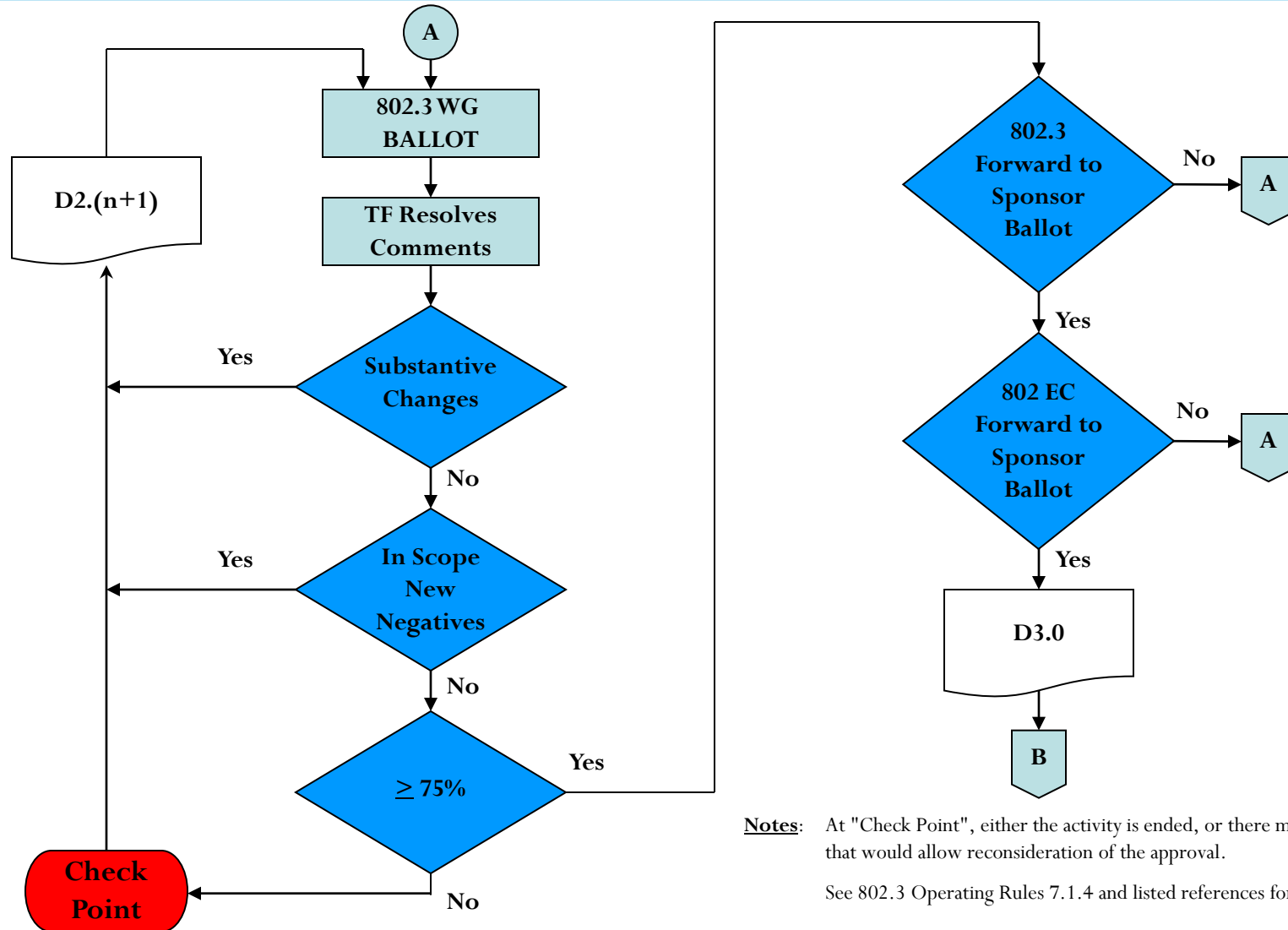


Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

Overview of IEEE 802.3 Standards Process (2/5) – Task Force Comment Phase



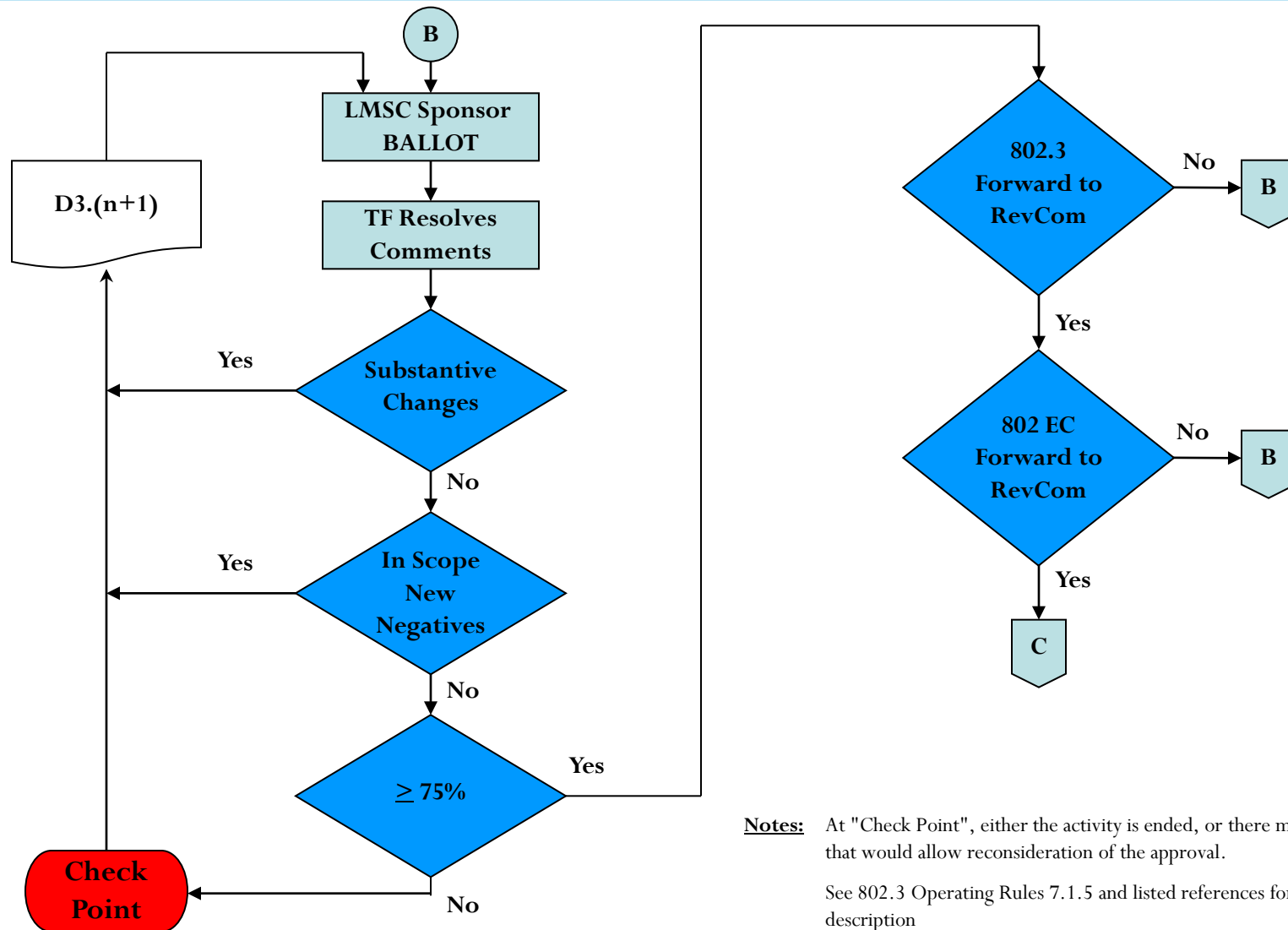
Overview of IEEE 802.3 Standards Process (3/5) – Working Group Ballot Phase



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

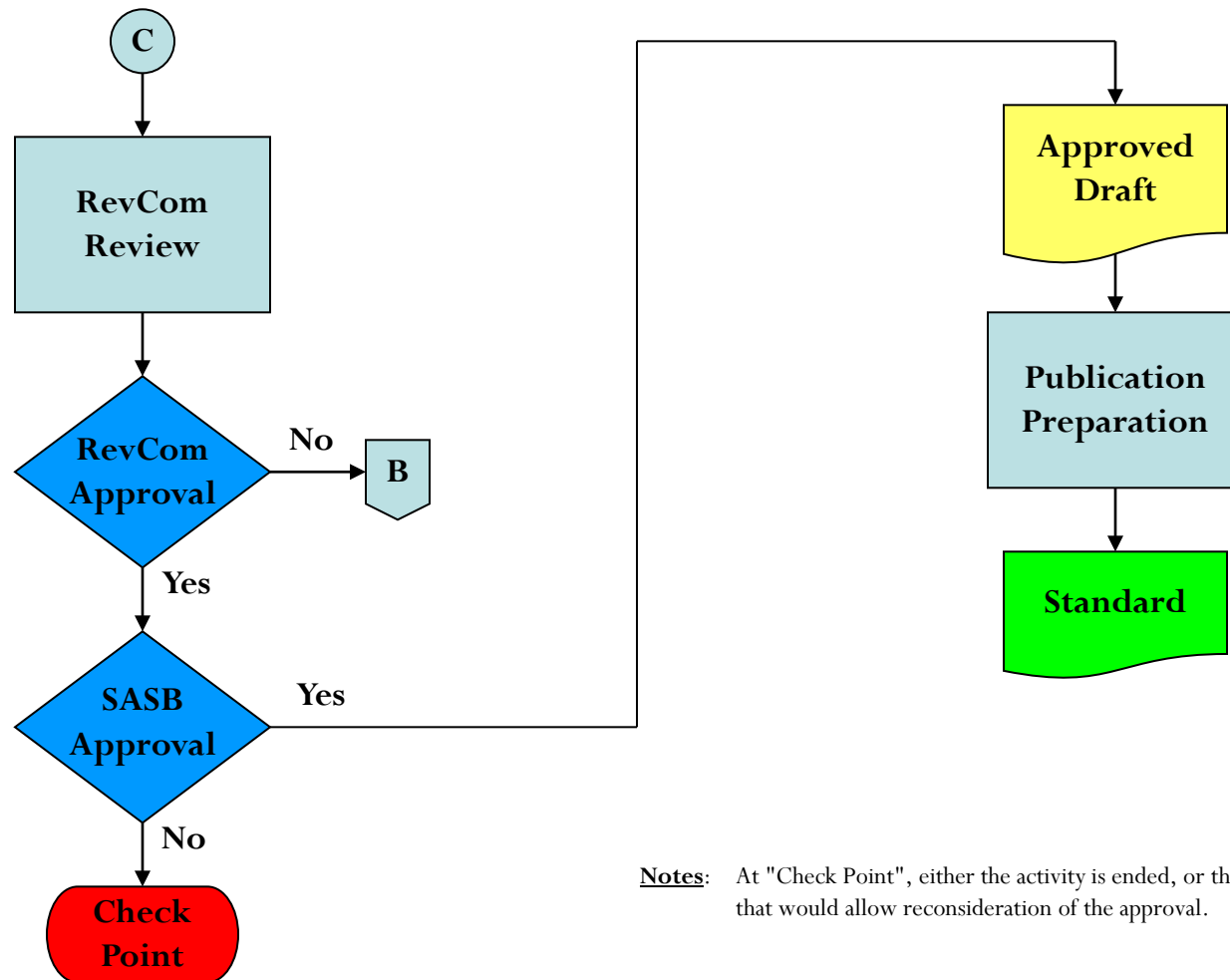
Overview of IEEE 802.3 Standards Process (4/5)- Sponsor Ballot Phase



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 reconsideration of the approval.

Timeline Discussion

- Now: Need to complete project documentation
 - PAR (draft state)
 - 5 Criteria Response (no draft)
 - Objectives (partial list at this time)
- Nov 2013 (Plenary):
 - Seems Unlikely (prior to start of Sept Interim)
 - Request Tutorial at close of plenary for March 2014?
- Jan 2014:
 - Complete project documentation.
 - Submit for consideration March 2014 Plenary
- March 2014 (Plenary):
 - Request PAR Approval
 - Tutorial?

Liaisons and Communications

- Liaison - ITU-T SG15 Response
 - http://www.ieee802.org/3/minutes/jul13/incoming/LSo-042_AnnexQ-PLN-093-WP3-Liaison.pdf

Monday

Note –Times listed are subject to change.

Monday	All				
Time	Presenter	Affiliation	Title	File Name	Duration
9:00 AM	John D'Ambrosia	Dell	Agenda and General Information	agenda_400_01_0913.pdf	0:45
9:45 AM	Mark Gustlin	Xilinx	Logic Ad hoc Update	gustlin_400_01_0913.pdf	0:15
10:00 AM	Break				0:20
10:20 AM	John D'Ambrosia	Dell	Summary of "Reach Objective" Statements	dambrosia_400_02_0913.pdf	
10:50 AM	Tom Palkert	Luxtera	400G SMF Data Center Objectives	palkert_400_01_0913.pdf	0:30
11:20 AM	Pete Anslow	Ciena	Error Performance Objective for 400GbE	anslow_400_01_0913.pdf	0:30
12:00 PM	Lunch				1:15
1:15 PM	Xiaolu Song	Huawei	Roadmap of 400GbE SMF PMDs for Telecom Applications	song_x_400_01_0913.pdf	0:30
1:45 PM	Hugh Barrass	Cisco	CDAUI: Objective Proposal	dambrosia_400_01_0913.pdf	0:30
2:45 PM	Discussion, Strawpolls				1:00
3:45 PM	Break				0:20
4:05 PM	Mark Gustlin	Xilinx	400 GbE PCS Architectural Requirements	gustlin_400_02_0913.pdf	0:30
4:35 PM	Ali Ghiasi	Broadcom	400 GbE Architectural Considerations	ghiasi_400_01_0913.pdf	0:30
5:05 PM	Tongtong Wang	Huawei	The Scalable 400GbE PCS Architecture	wang_400_01_0913.pdf	0:30
5:35 PM	Cedrik Begin	Cisco	16 'v' 80 PCS Lanes for 400 GbE: An implementer's Perspective	begin_400_01_0913.pdf	0:30
6:05 PM	Break for Day				

Tuesday

Note –Times listed are subject to change.

<u>Tuesday</u>					
9:00 AM	John D'Ambrosia	Dell	Opening Comments		0:10
9:10 AM	Haoyu Song	Huawei	Reconsider PCS Coding for 400GbE	song_400_01_0913.pdf	0:30
9:40 AM	Zhongfeng Wang	Broadcom	Further Analysis about PCS and FEC	wang_z_400_01_0913.pdf	0:30
10:10 AM	Break				0:20
10:30 AM	Toshiki Tanaka	Fujitsu	Considerations on Optical 400GbE DMT	tanaka_400_01_0913.pdf	0:30
11:00 AM	Tomoo Takahara	Fujitsu	Technical Feasibility of DMT Transceiver for 400 GbE SMF transmission	takahara_400_01_0913.pdf	0:30
11:30 AM	Brian Holden	Kandou	Simulation Results for ENRZ on 400GE Backplanes	holden_400_01_0913.pdf	0:30
12:00 PM	Lunch				1:15
1:15 PM	Discussion, Strawpolls, Motions				1:45
3:00 PM	Break				0:20
3:20 PM	Discussion, Strawpolls Motions				1:20
4:40 PM	Closing Business				0:20
5:00 PM	Adjourn				

Future Meetings

- See: <http://www.ieee802.org/3/interims/index.html>
- Nov 2013 Plenary
 - Week of Nov 10
 - Hyatt Regency, Dallas, TX, USA
- January 2014 Interim (hosted by Xilinx)
 - Week of January 20
 - Hyatt Regency Indian Wells, CA
- March 2014 Plenary
 - Week of March 16, 2014
 - Beijing, China
- May 2014 Interim (hosted by Ethernet Alliance)
 - Week of May 12, 2014
- Anyone interested in hosting a meeting contact me.

Thank You!