

IEEE 802.3 Beyond 10km Optical PHYs SG - Agenda and General Information

John D'Ambrosia,

Acting Chair, IEEE 802.3 Beyond 10km Optical PHYs Study Group

Futurewei, Subsidiary of Huawei

IEEE 802.3 Sept 2017 Interim

Charlotte, NC, USA

Agenda

- Confirmation of Study Group Chair
- Approval of Agenda
- IEEE 802 Participation
- Study Group Information
- Approval of Study Group Ad Hoc 8/24 Teleconference Minutes
- Pre-PAR Patent Policy
- Ground Rules
- IEEE
 - Structure
 - Bylaws and Rules
 - IEEE 802.3 Standards Process
 - Study Group Chartering Motion
- Liaisons & Communications
 - OIF - 400ZR Project
- Presentations
- Discussion, Straw Polls, Motions
- Closing Business
- Future Meetings

Task Force Decorum



- Photography or recording by permission only (2016 SASB Op Manual 5.3.3.2)
- Cell phone ringers off
- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (5.3.3.3)
- 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

Participation in IEEE 802 Meetings

Participation in any IEEE 802 meeting (Sponsor, Sponsor subgroup, Working Group, Working Group subgroup, etc.) is on an individual basis

- **Participants in the IEEE standards development individual process shall act based on their qualifications and experience. (https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf section 5.2.1)**
- **IEEE 802 Working Group membership is by individual; “Working Group members shall participate in the consensus process in a manner consistent with their professional expert opinion as individuals, and not as organizational representatives”. (subclause 4.2.1 “Establishment”, of the IEEE 802 LMSC Working Group Policies and Procedures)**
- **Participants have an obligation to act and vote as an individual and not under the direction of any other individual or group. A Participant’s obligation to act and vote as an individual applies in all cases, regardless of any external commitments, agreements, contracts, or orders.**
- **Participants shall not direct the actions or votes of any other member of an IEEE 802 Working Group or retaliate against any other member for their actions or votes within IEEE 802 Working Group meetings, see https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf section 5.2.1.3 and the IEEE 802 LMSC Working Group Policies and Procedures, subclause 3.4.1 “Chair”, list item x.**

By participating in IEEE 802 meetings, you accept these requirements. If you do not agree to these policies then you shall not participate.

(Latest revision of IEEE 802 LMSC Working Group Policies and Procedures: <http://www.ieee802.org/devdocs.shtml>)

IEEE 802.3 Beyond 10km Optical PHYs SG Information

- John D'Ambrosia, Acting Chair
- Home Page - <http://www.ieee802.org/3/B10K/index.html>
- Reflector Information – <http://www.ieee802.org/3/B10K/reflector.html>

Attendance

- Tutorial Material on attendance tool
 - http://ieee802.org/3/minutes/attendance_procedures.pdf
- Attendance books
 - Keeps track of attendance in room
 - Used to support requests to verify attendance by chair if IMAT not used.

Study Group Ad Hoc 8/24 Teleconference Minutes

- Approval of Study Group Ad Hoc 8/24 Teleconference Minutes
 - http://www.ieee802.org/3/B10K/public/adhoc/sg/minutes_b10k_170824_unapproved.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>

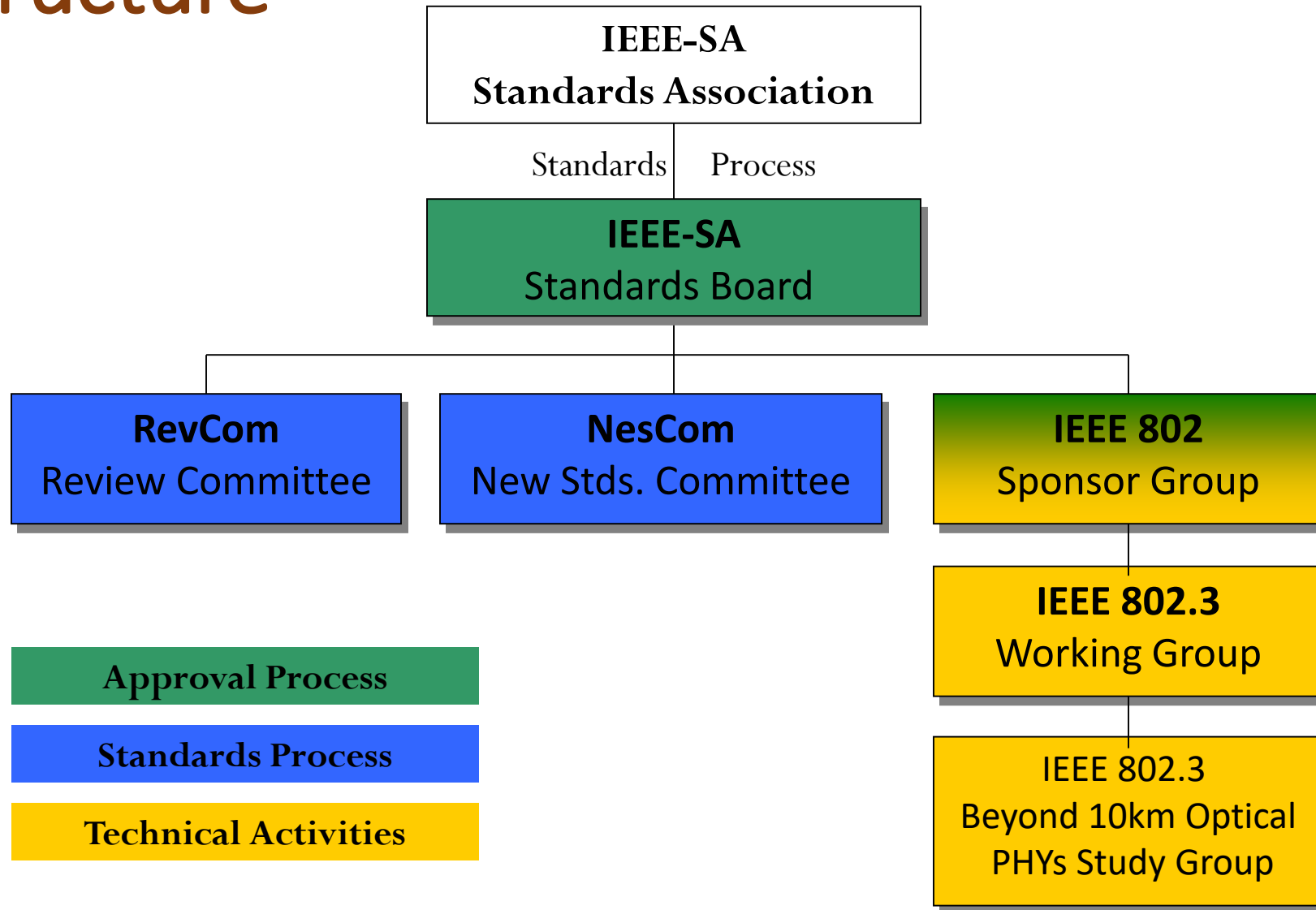
See *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and “Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association's Antitrust and Competition Policy” for more details.

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

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**

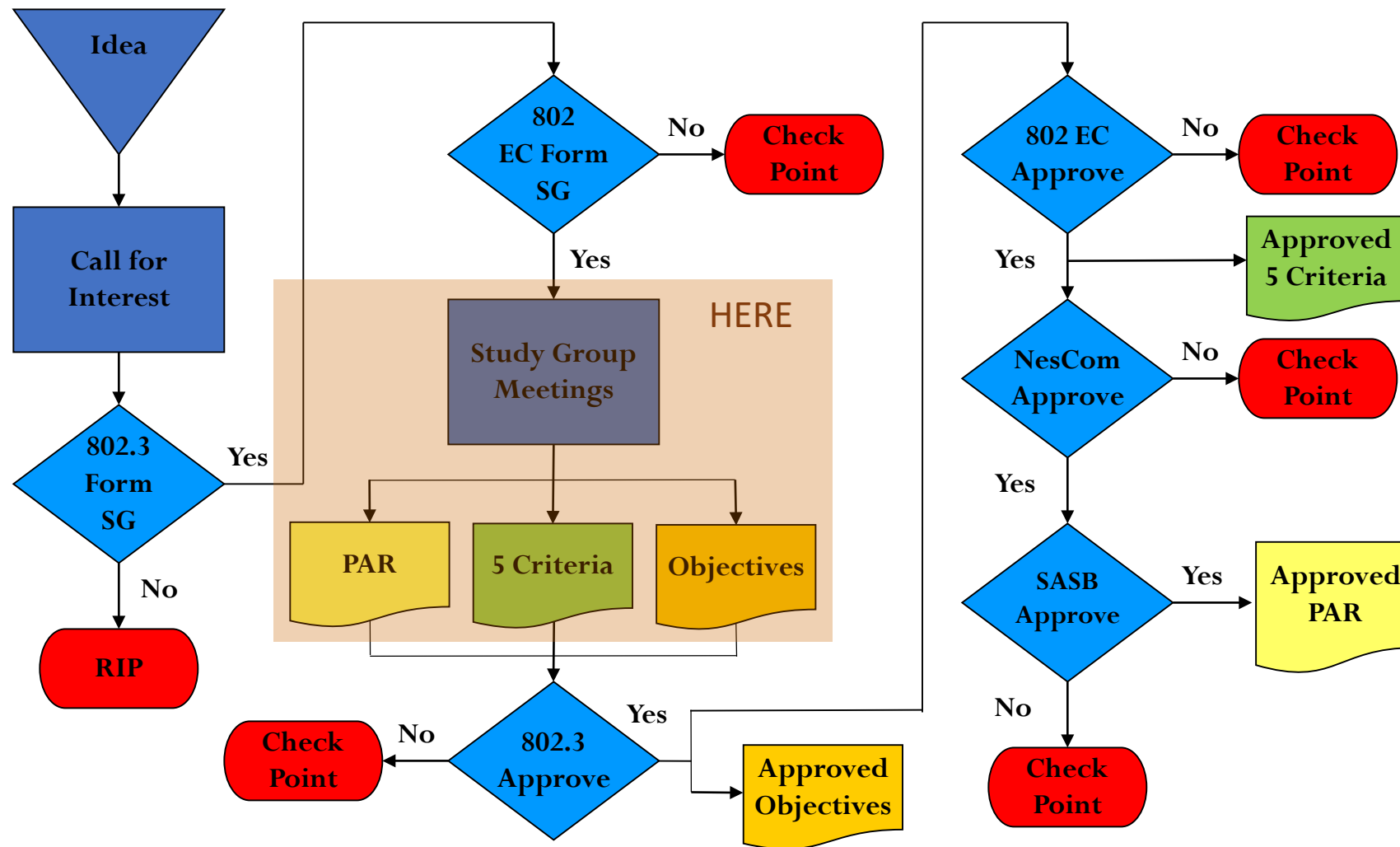
IEEE Structure



Important Bylaws, Rules, & References

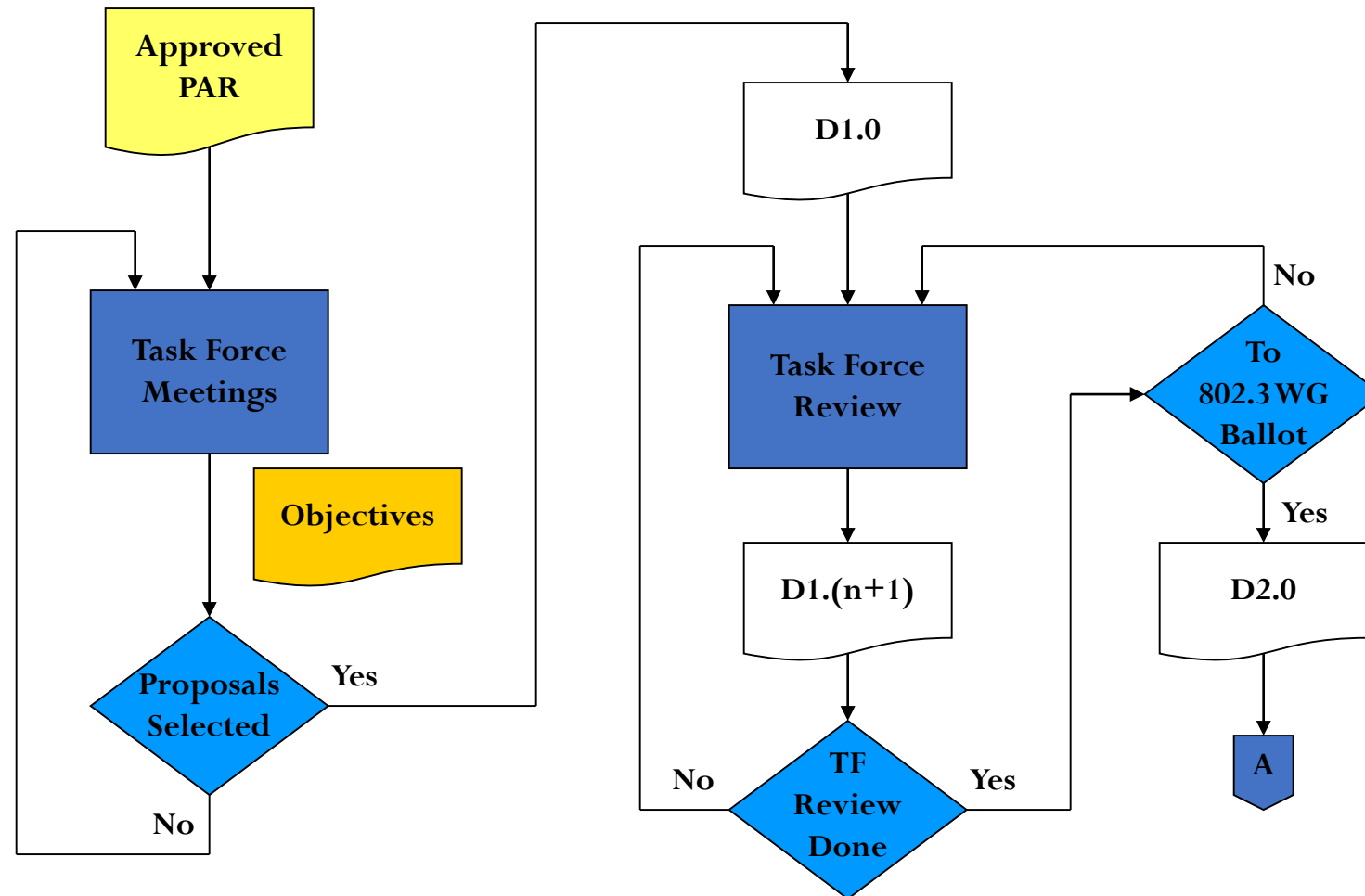
- **IEEE-SA Operations Manual**
<http://standards.ieee.org/sa/sa-om.pdf>
- **IEEE-SA Standards Board Bylaws**
<http://standards.ieee.org/guides/bylaws/sb-bylaws.pdf>
- **IEEE-SA Standards Board Operations Manual**
<http://standards.ieee.org/guides/opman/sb-om.pdf>
- **IEEE 802 LAN/MAN Standards Committee (LMSC) Policies and Procedures**
<http://standards.ieee.org/about/sasb/audcom/pnp/LMSC.pdf>
- **IEEE 802 LAN/MAN Standards Committee (LMSC) Operations Manual**
http://ieee802.org/PNP/approved/IEEE_802_OM_v19.pdf
- **IEEE 802 LAN/MAN Standards Committee (LMSC) Working Group (WG) Policies and Procedures**
<http://standards.ieee.org/about/sasb/audcom/pnp/LMSC.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>

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

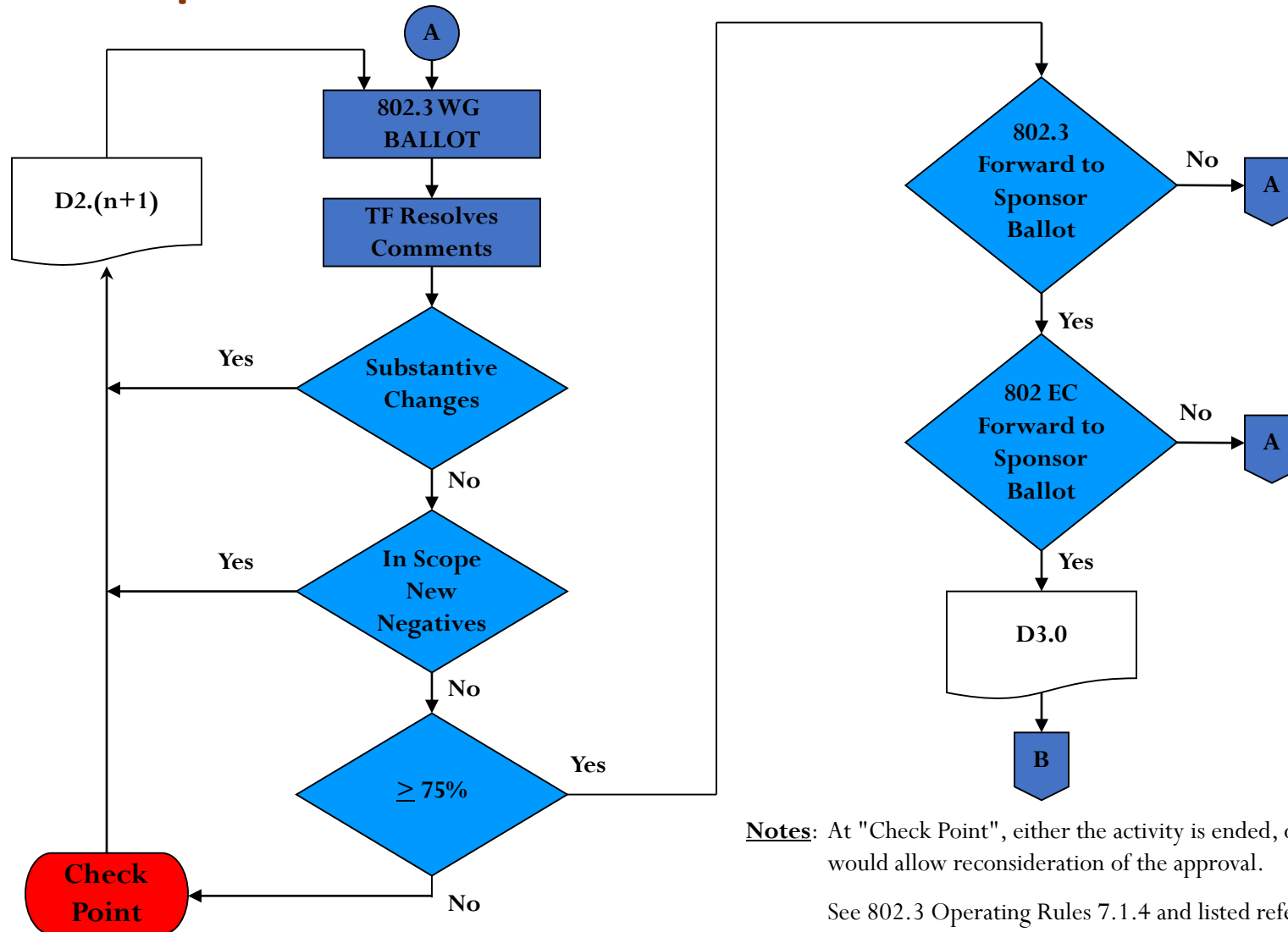


Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

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



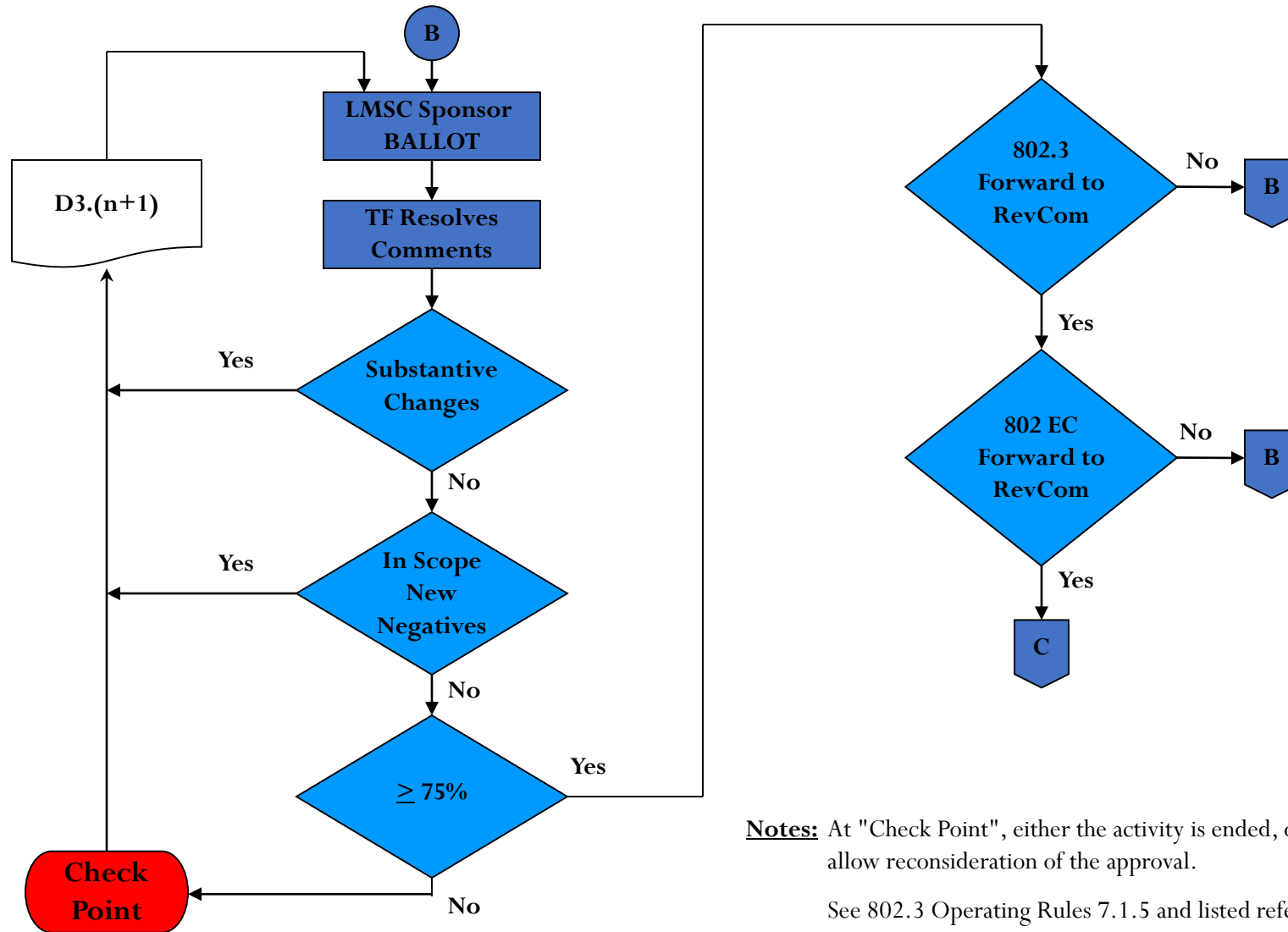
Overview of IEEE 802.3 Standards Process (3/5) – Working Group Ballot Phase



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

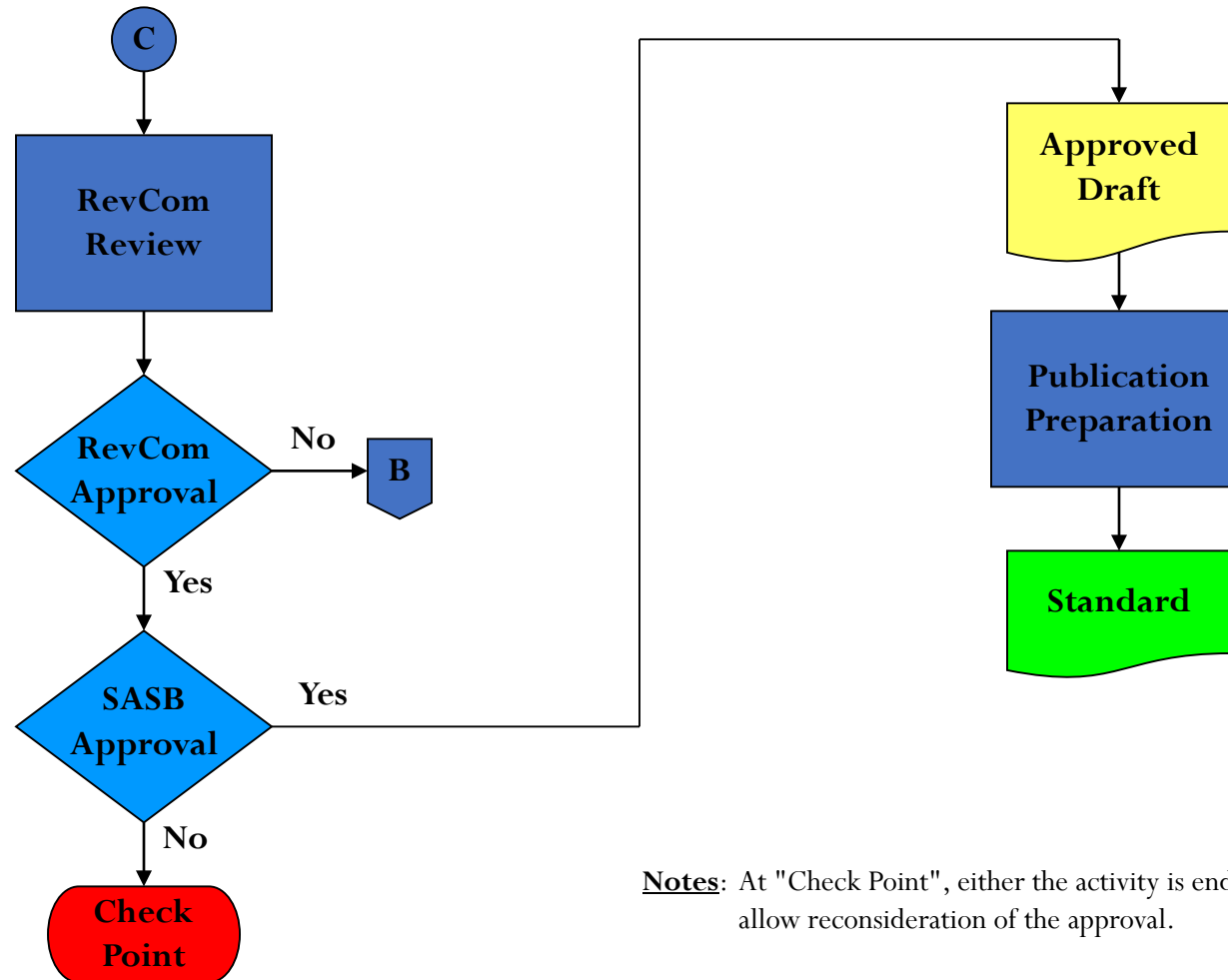
Overview of IEEE 802.3 Standards Process (4/5)- Sponsor Ballot Phase



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



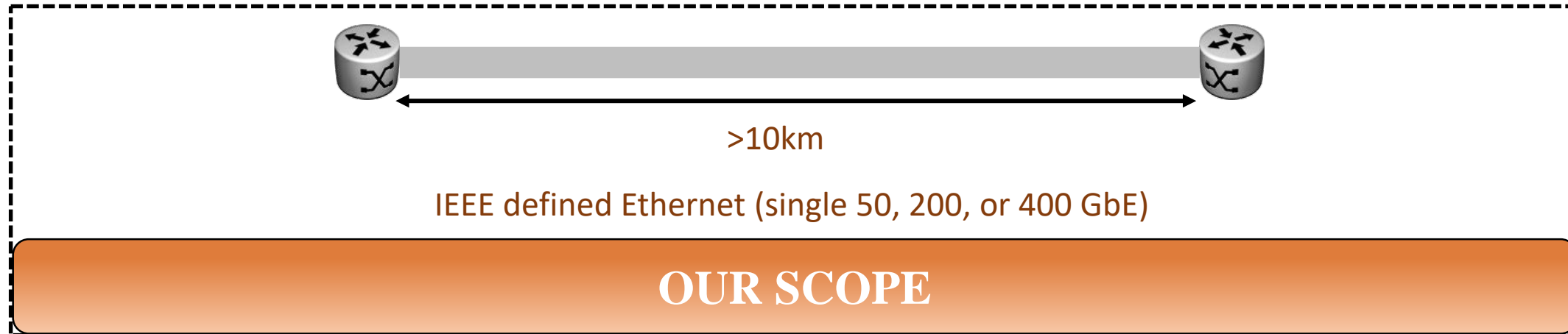
Notes: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

SG Chartering Motion

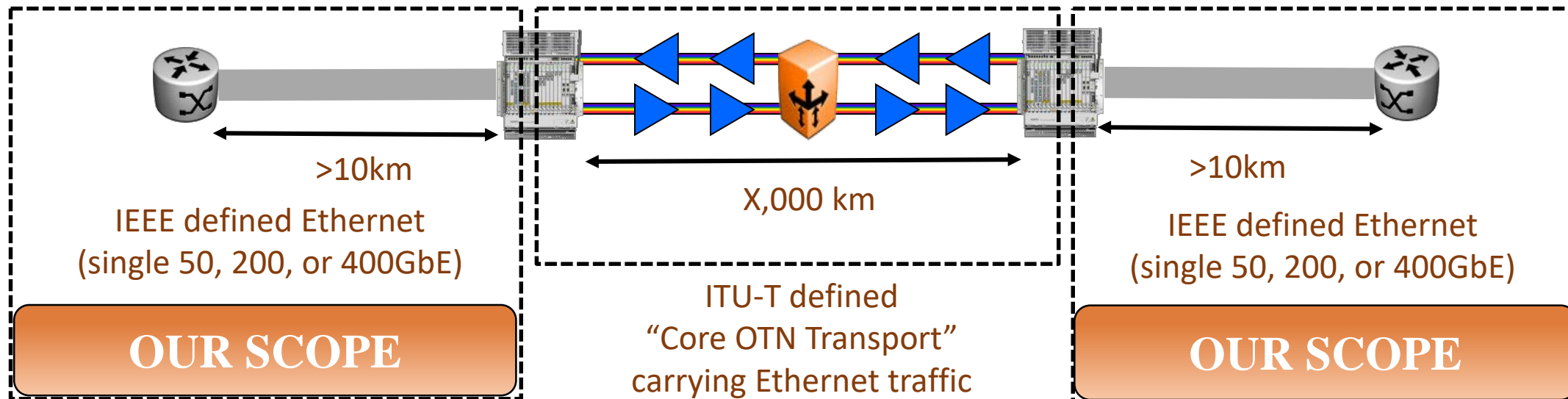
Move that the IEEE 802.3 Ethernet Working Group authorizes the formation of a study group to develop a Project Authorization Request (PAR) and Criteria for Standards Development (CSD) responses for “Beyond 10km Optical PHYs for 50 Gb/s, 200 Gb/s, and 400 Gb/s Ethernet”

What Are We Talking About?

Scenario #1



Scenario #2



Liaisons and Communications

- OIF – OIF to IEEE 802.3 regarding the 400ZR Interop Project
 - http://www.ieee802.org/3/minutes/sep17/incoming/OIF_to_IEEE_802d3_400ZR_Aug_2017.pdf
- Proposed Draft Response –
 - http://www.ieee802.org/3/B10K/public/17_09/dambrosia_b10k_01_0917.pdf

Schedule

All times and order listed are subject to change.

<u>Thursday</u>	<u>14-Sep-17</u>	<u>All</u>		
Time	Presenter	Affiliation	Title	File Name
1:00 PM	David Law			
1:10 PM	John D'Ambrosia	Futurewei, Subsidiary of Huawei	Agenda and General Information	agenda_b10k_01_0917.pdf
1:40 PM	John D'Ambrosia	Futurewei, Subsidiary of Huawei	Proposed Response to OIF	dambrosia_b10k_01_0917.pdf
2:10 PM	Marek Hajduczenia	Charter Communications	Project Objectives	hajduczenia_b10k_01_0917.pdf
2:30 PM	Adam Healey	Broadcom	Review of the 5 Criteria	healey_b10k_01_0917.pdf
2:50 PM	David Lewis	Lumentum	50 GbE 40km Objective	lewis_b10k_01_0917.pdf
3:10 PM	Break			
3:30 PM	Xu Yu	Huawei	Further Test for Beyond 10km Transmission	yu_b10k_01_0917.pdf
3:50 PM	Ali Ghiasi	Ghiasi Quantum / Huawei	Eco-System Considerations in Defining Beyond 10m PHYs	ghiasi_b10k_01_0917.pdf
4:10 PM	Steve Trowbridge	Nokia	Thoughts on 50G, 200G, 400G Ethernet PMDs beyond 10k	trowbridge_b10k_01_0917.pdf
4:30 PM	Fernando Villarruel	Cisco	Backhaul for distributed Architectures in the MSO space	villarruel_b10k_01_0917.pdf
4:50 PM	Wenyu Zhao	CAICT	Beyond 10km reach objective discussion	wenyu_b10k_01_0917.pdf
5:10 PM	Discussion / Strawpolls			
6:00 PM	Break for the day			
<u>Friday</u>	<u>15-Sep-17</u>			
9:00 AM	John D'Ambrosia	Futurewei, Subsidiary of Huawei	Opening Comments	
9:10 AM	David Law	HPE	Major PAR Form Questions	law_b10k_01_0917
9:30 AM	John D'Ambrosia	Futurewei, Subsidiary of Huawei	Discussion of Objectives & CSD	dambrosia_b10k_02_0917.pdf
10:00 AM	Break			
10:20 AM	Discussion, Strawpolls, Motions			
12:00 PM	Break			
1:00 PM	Discussion, Strawpolls, Motions Closing Business			
3:00 PM	Adjourn			

Future Meetings

- See: <http://www.ieee802.org/3/interims/index.html>
- Nov 2017 Plenary
 - Week of Nov 6, 2017
 - Caribe Royale
 - Orlando, FL, USA
- Jan 2018 Interim
 - Week of Jan 22, 2018
 - Geneva, CH
- Mar 2018
 - Week of Mar 5, 2018
 - Hyatt Regency O'Hare
 - Rosemont, IL, USA
- May 2018
 - Week of May 21, 2018
 - TBA
- July 2018
 - Week of July 9, 2018
 - Manchester Grand Hyatt
 - San Diego, CA, USA

Thank You!