

Agenda and General Information

IEEE 802.3

Improving PTP Timestamping Accuracy Study Group

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Microchip Technology

Geneva, January 2020

Agenda

- Welcome and Introductions
- Approve Agenda
- Goals for this meeting
- Request for an IEEE P802.3cx editor
- Big Ticket Items
- Reflector and Web
- Ground Rules
- IEEE
 - Structure, Bylaws and Rules
 - Call for Patents
 - IEEE Standards Process
- Liaisons and Communications
- Presentations
- Strawpolls and Closing Business
- Future Meetings

Study Group Decorum



- An officer is permitted to make an audio or slideshow recording of this meeting exclusively for the purpose of generating minutes which shall not be copied or distributed. **IEEE 802.3 meetings do not use this option.** Recording of the proceedings by any other participant or observer, in part or in whole, via any means, is prohibited. (January 2019 IEEE-SA Standards Board Ops Manual 5.3.3.2)
- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (January 2019 IEEE-SA Standards Board Ops Manual 5.3.3.3)
- 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

Goals for the meeting

- Begin discussion of specific items that impact timestamping accuracy
- Begin discussion of potential approaches to solving the issues
 - Note that no decisions or motions can be made until the March IEEE 802.3 meeting, when ITSA formally becomes the 802.3cx Task Force
- Lay the ground work for the next meeting

Big ticket items

- Initial identification of problems to be solved
- Initial discussion of potential solutions
- Lay the ground work for the next meeting

Reflector and Web

- To subscribe to the Improving PTP Timestamp Accuracy Study Group reflector, send an email to:

ListServ@ieee.org

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

subscribe stds-802-3-ITSA-request@listserv.ieee.org *<yourfirstname>* *<yourlastname>*
end

- Send Study Group reflector messages to:

stds-802-3-ITSA@listserv.ieee.org

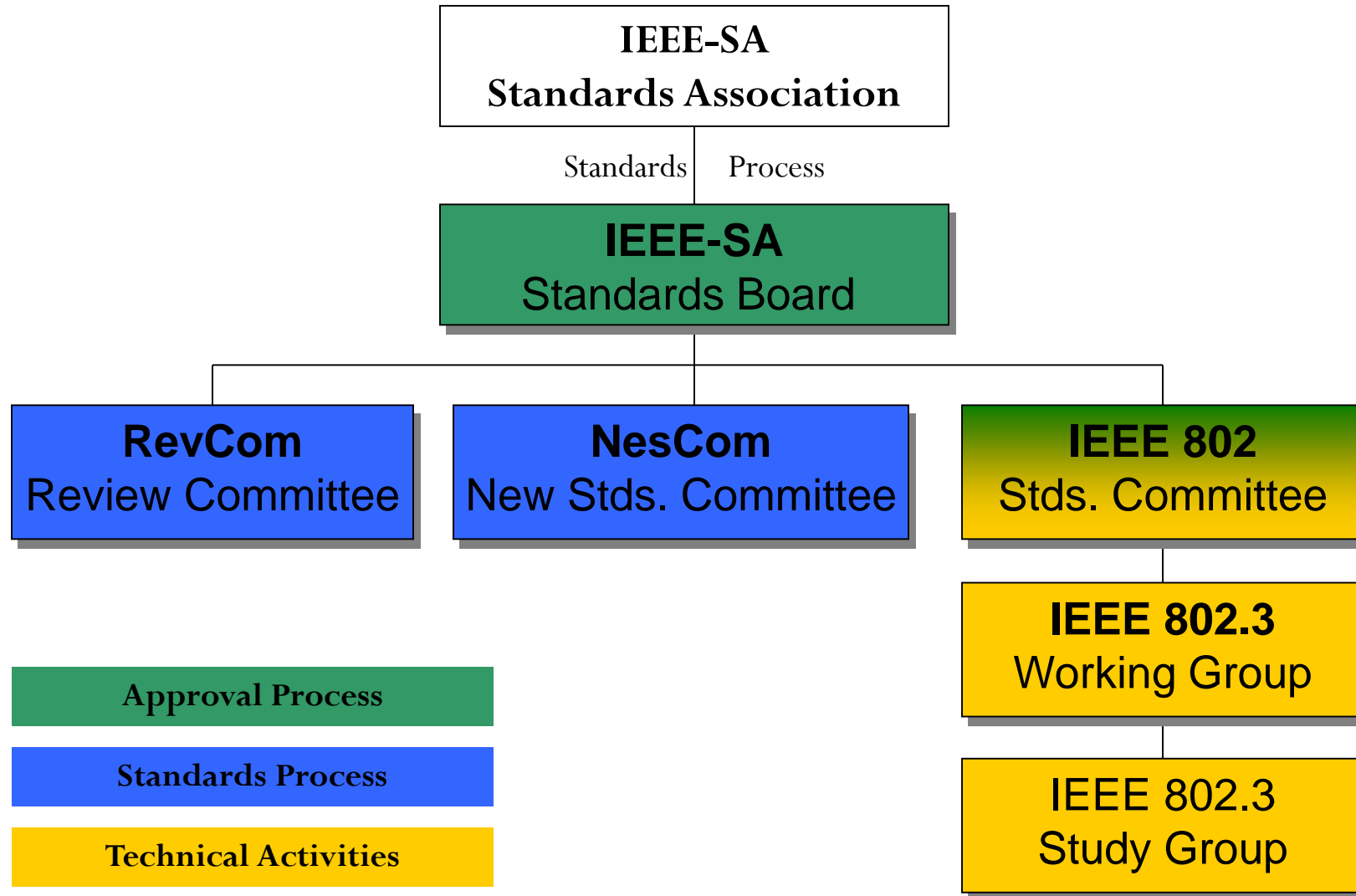
- Study Group web page URL:

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

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 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**
<https://ieee.app.box.com/v/PandP-LMSC>
- **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

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>

Participation in IEEE 802 Meetings

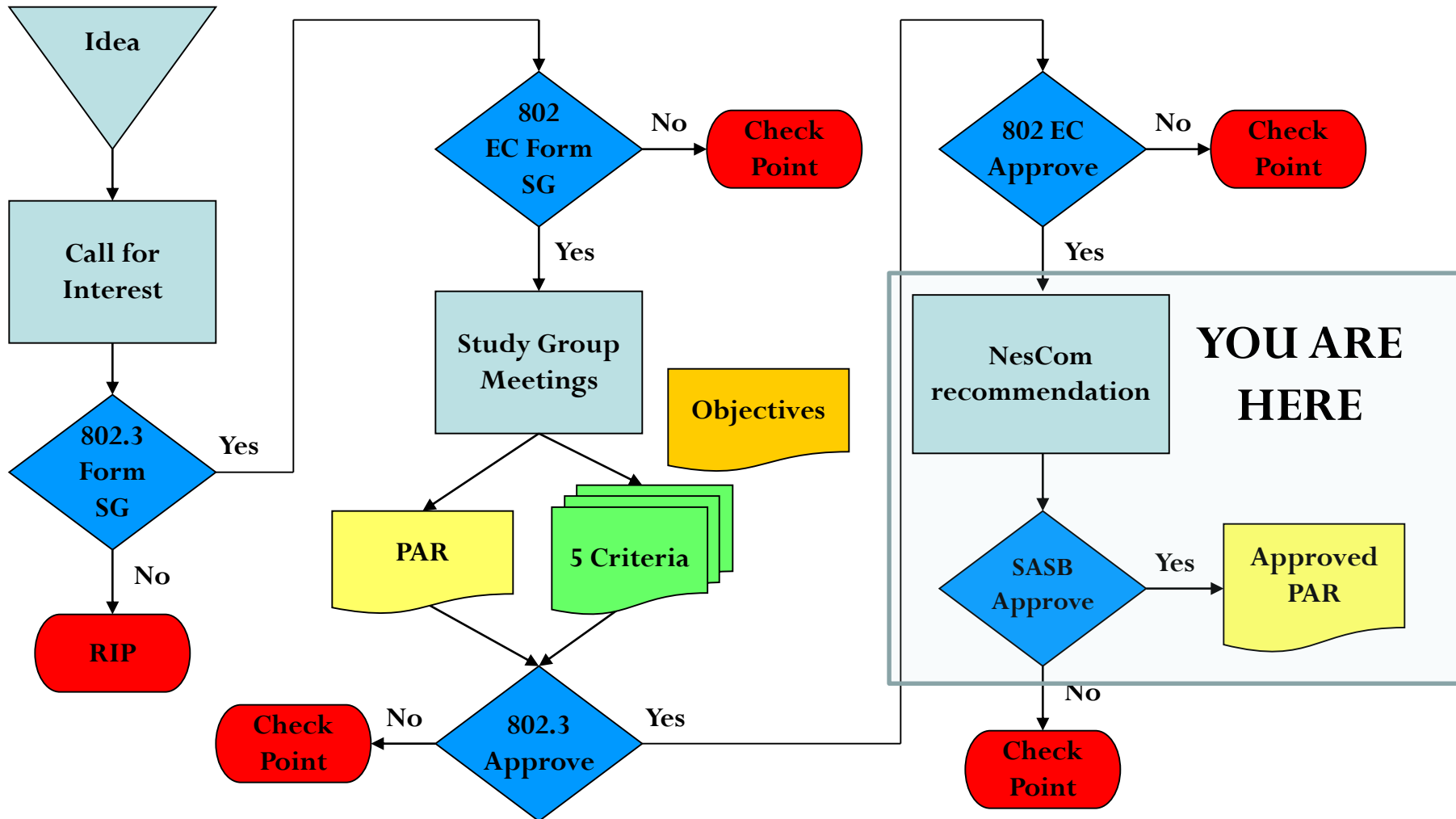
Participation in any IEEE 802 meeting (Sponsor, Sponsor subgroup, Working Group, Working Group subgroup, etc.) is on an individual basis

- **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.

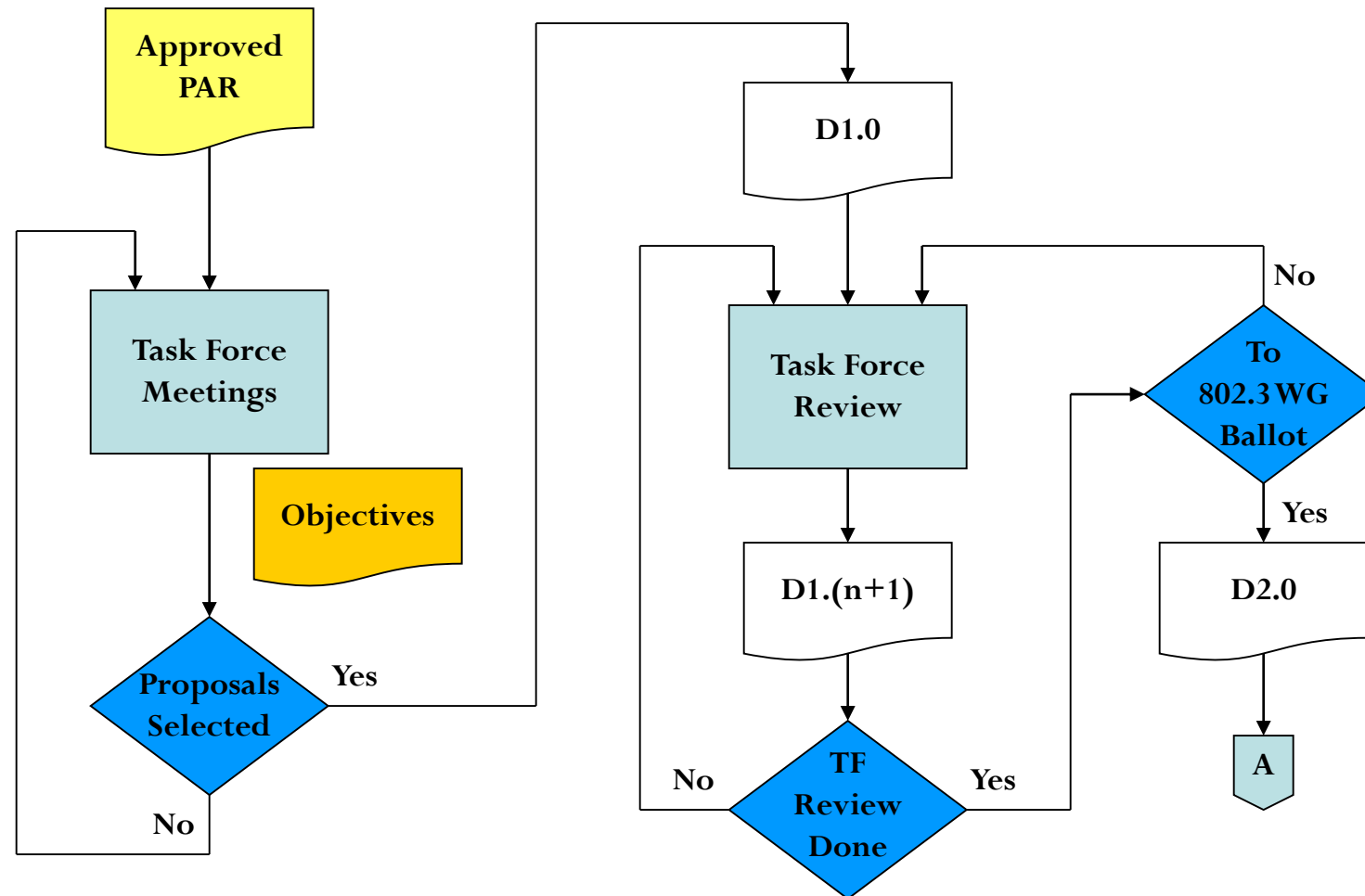
(Latest revision of IEEE 802 LMSC Working Group Policies and Procedures: <http://www.ieee802.org/devdocs.shtml>)

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

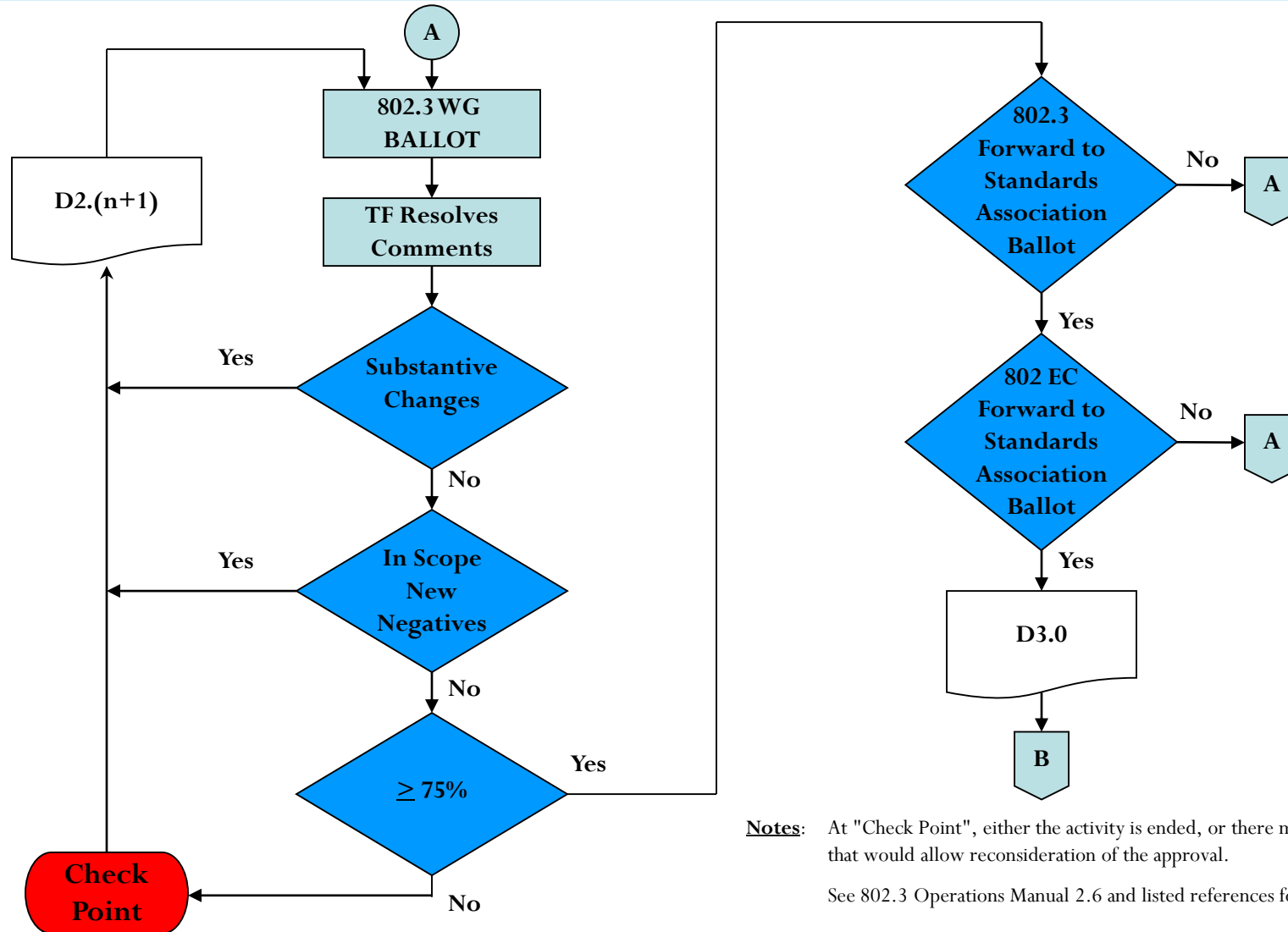


Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

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



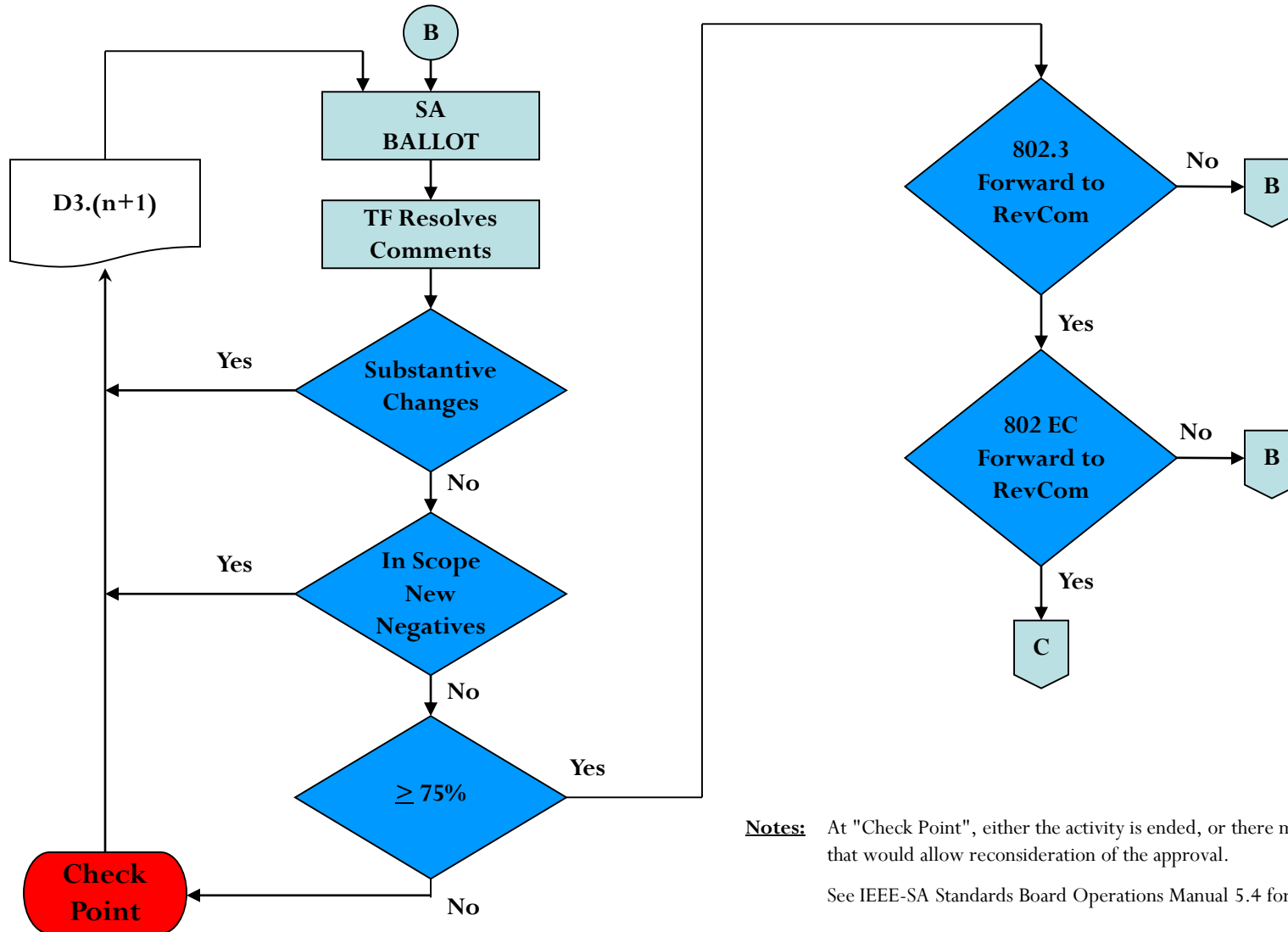
Overview of IEEE 802.3 Standards Process (3/5) – Working Group Ballot Phase



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 Operations Manual 2.6 and listed references for complete description

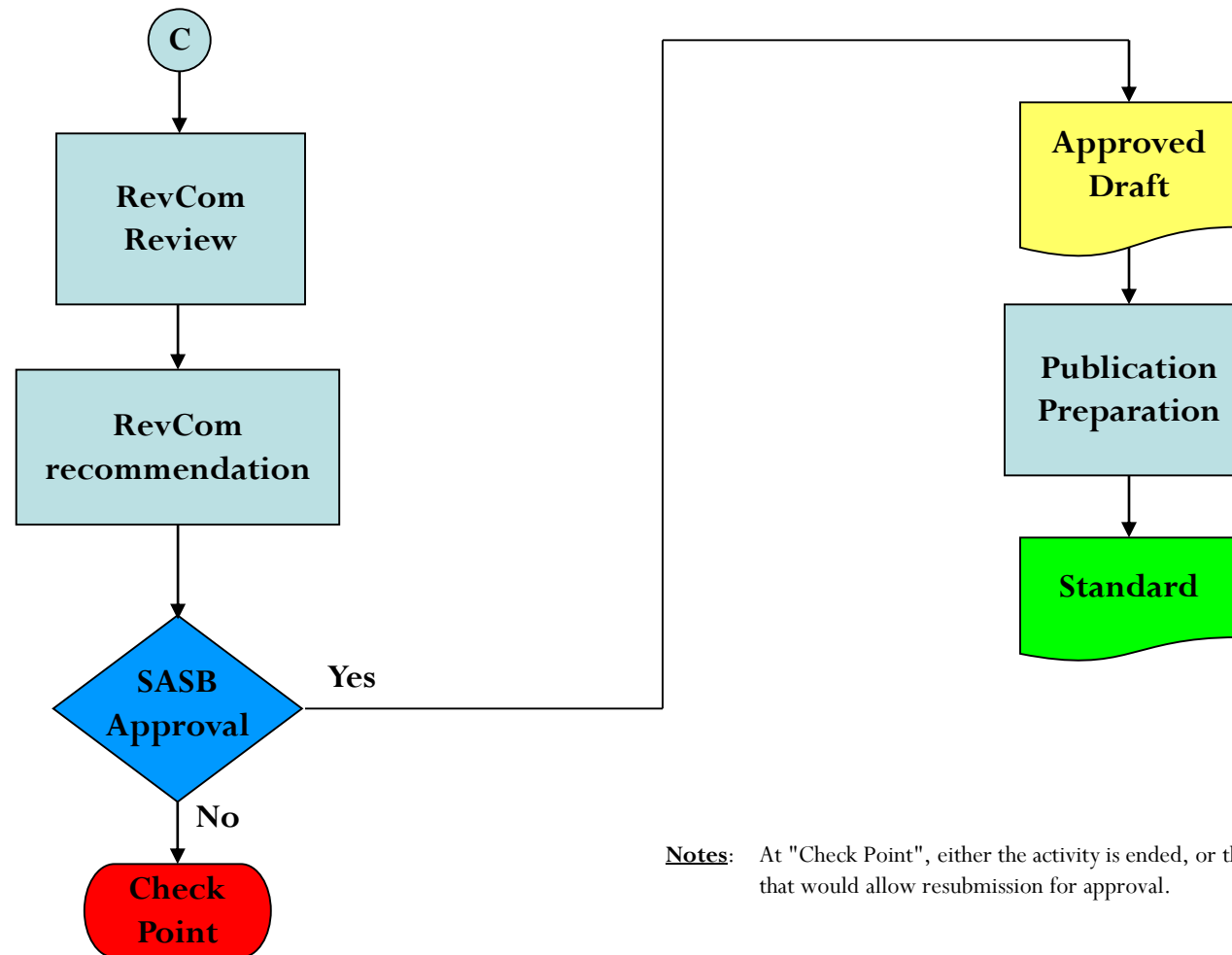
Overview of IEEE 802.3 Standards Process (4/5)- IEEE Standards Association (SA) Ballot Phase



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

See IEEE-SA Standards Board Operations Manual 5.4 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.

The Study Group

- Normal function is to draft a complete PAR and Five Criteria
- Provide a plenary week tutorial to the LMSC.
- Gain approval at the IEEE 802.3 WG, IEEE 802 EC, IEEE-SA NesCom and IEEE-SA Standards Board.
- SG only exists for 6 months
 - Extensions can be requested
 - Voted on by IEEE 802.3
 - Ratified by IEEE 802 EC
- Development of Objectives helps set the goals for the Task Force
- Consensus required to move forward

- Not a goal – choosing a solution.

Motion

Move to approve the minutes from the last meeting from the November meeting

Approved by voice vote without objection (Procedural > 50%)

MOTION PASSES ($\geq 50\%$)

Liaisons and Communications

- None at this time

Action Items

- N/A

Attendance

- Tutorial Material on attendance tool
 - http://ieee802.org/3/minutes/attendance_procedures.pdf
- Access details
 - URL: <http://imat.ieee.org/>
 - (For interim) Password will be provided

Agenda

Friday 24-Jan-20

Time	Presenter	Affiliation	Title	File Name	Duration
Opening					
9:00 AM	Steve Gorshe	Microchip	Agenda and General Information	agenda_itsa_0120	0:20
9:20 AM	Steve Gorshe	Microchip	Minutes of the November ITSA meeting	agenda_itsa_0120	0:05
Timestamping Inaccuracy Sources and Considerations					
9:25 AM	Jingfei Lv	Huawei	Some Questions Proposed for 802.3cx	lv_itsa_01_0120	0:25
9:50 AM	Richard Tse	Microchip	Timestamp Inaccuracy Due to Different Reference Points	tse_itsa_01_0120	0:20
10:10 AM	Richard Tse	Microchip	Timestamp Inaccuracy Due to Idle Insert/Delete for AMs	tse_itsa_02_0120	0:20
Break					
11:00 AM	Richard Tse	Microchip	Path delay variance from multi-PCS lane distribution	tse_itsa_03_0120	0:20
11:20 AM	Ulf Parkholm	Ericsson	Contribution to 802.3cx	Parkholm_itsa_01_0120	0:30
Meeting Wrap-up					
11:50 AM	Closing attendance polls for future meetings				0:10
12:00 PM	Adjourn				

Note –Times listed are subject to change.

Future Meetings

- See: <http://www.ieee802.org/3/interims/index.html>
- May 2020
 - Week of March 16th
 - Hilton Atlanta
 - Atlanta, GA, USA
- Mar 2020
 - Week of May 18th
 - Weston Pasadena
 - Pasadena, CA, USA
- Anyone interested in hosting a interim meeting contact me or the IEEE 802.3 Executive Secretary [Steve Carlson](#).

Straw Poll – Future Meeting Attendance

- March (Atlanta)
 - I will attend the Study Group / Task Force meeting:
 - I may attend the Study Group / Task Force meeting:
 - I will not attend the Study Group / Task Force meeting:
- May (Pasadena)
 - I will attend the Task Force meeting:
 - I may attend the Task Force meeting:
 - I will not attend the Task Force meeting:

Thank You!