



Agenda and General Information

IEEE P802.3bu
Power over Data Lines Task Force

Dan Dove
Dove Networking Solutions / LTC

San Diego, CA USA, March 14-16, 2016



Agenda

- Appointment of recording secretary
- Welcome and Introductions
- Approve Agenda
- Approve May 2016 Task Force Minutes
- Goals for this meeting
- Big Ticket Items
- Reflector and Web
- Ground Rules
- IEEE
 - Structure, Bylaws and Rules
 - Call for Patents
 - IEEE Standards Process
- Liaisons and Communications
- Review of Action Items from May Task Force Meeting
- Comment resolution & associated presentations
- Motions and Closing Business
- Future Meetings

Task Force Decorum



- Photography or recording by permission only (December 2014 IEEE-SA Standards Board Ops Manual 5.3.3.2)
- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (December 2014 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

- Resolve Draft 3.0 Comments
- Motion to adopt comments, produce D3.1 and recirculate with Sponsor Ballot Group
- Lay the ground work for the next meeting

Reflector and Web

- To subscribe to the <<*Task Force name*>> reflector, send an email to:
ListServ@ieee.org

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

subscribe stds-802-3-1PPODL <yourfirstname> <yourlastname> end

- Send IEEE P802.3bu PoDL Task Force reflector messages to:
stds-802-3-1PPODL@listserv.ieee.org
- Task Force web page URL:
<http://www.ieee802.org/3/bu/index.html>

Task Force Private Area

- URL: <http://www.ieee802.org/3/bu/private/index.html>
 - Username: XXXXXX
 - Password: XXXXXX
- Write it down...
- Note - The draft, and any other content, is posted for your review only, and neither the content nor access information should be copied or redistributed to others in violation of document copyrights.

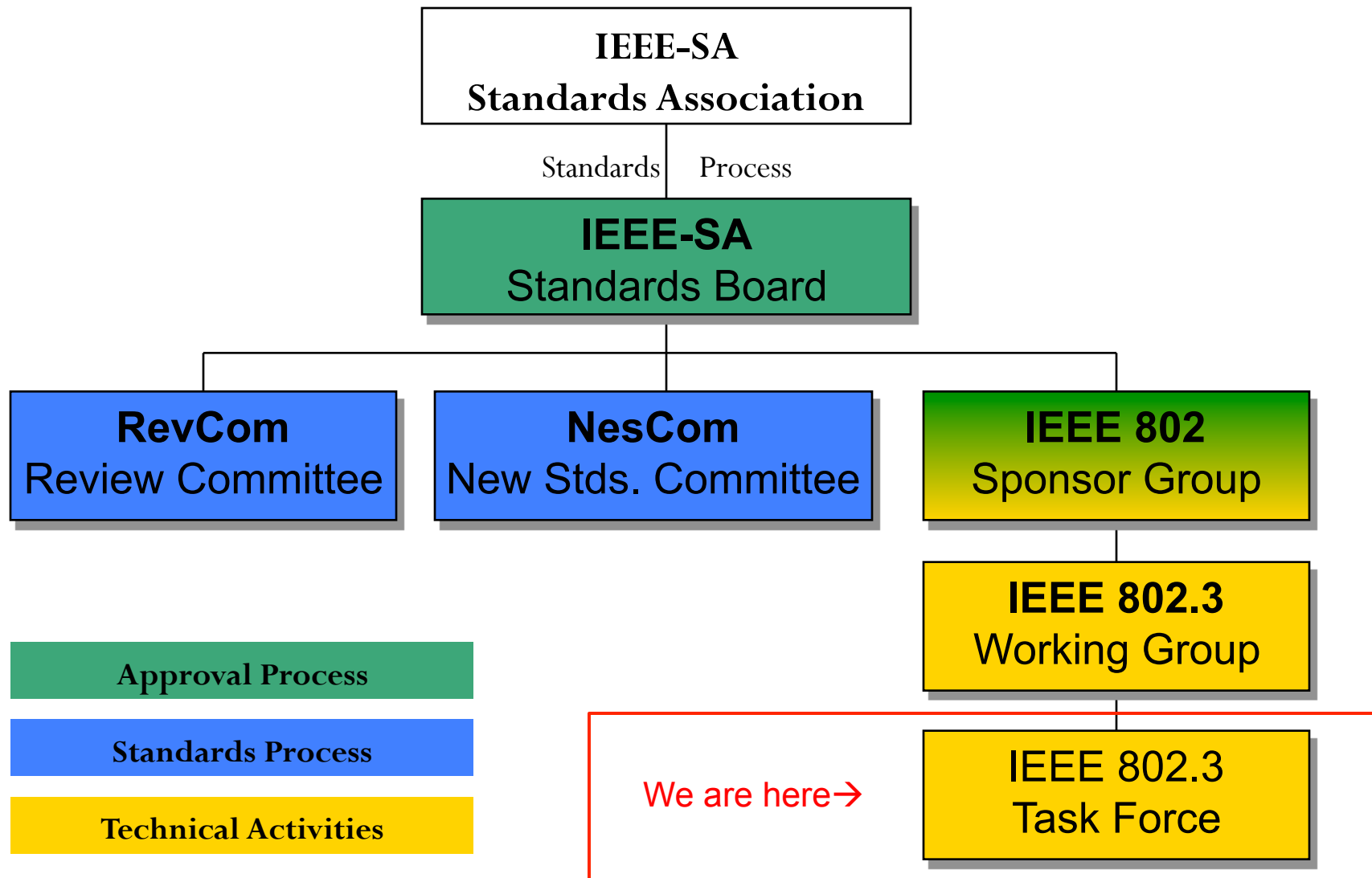
Ground Rules

- 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/>

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**

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>

Call for Potentially Essential Patents

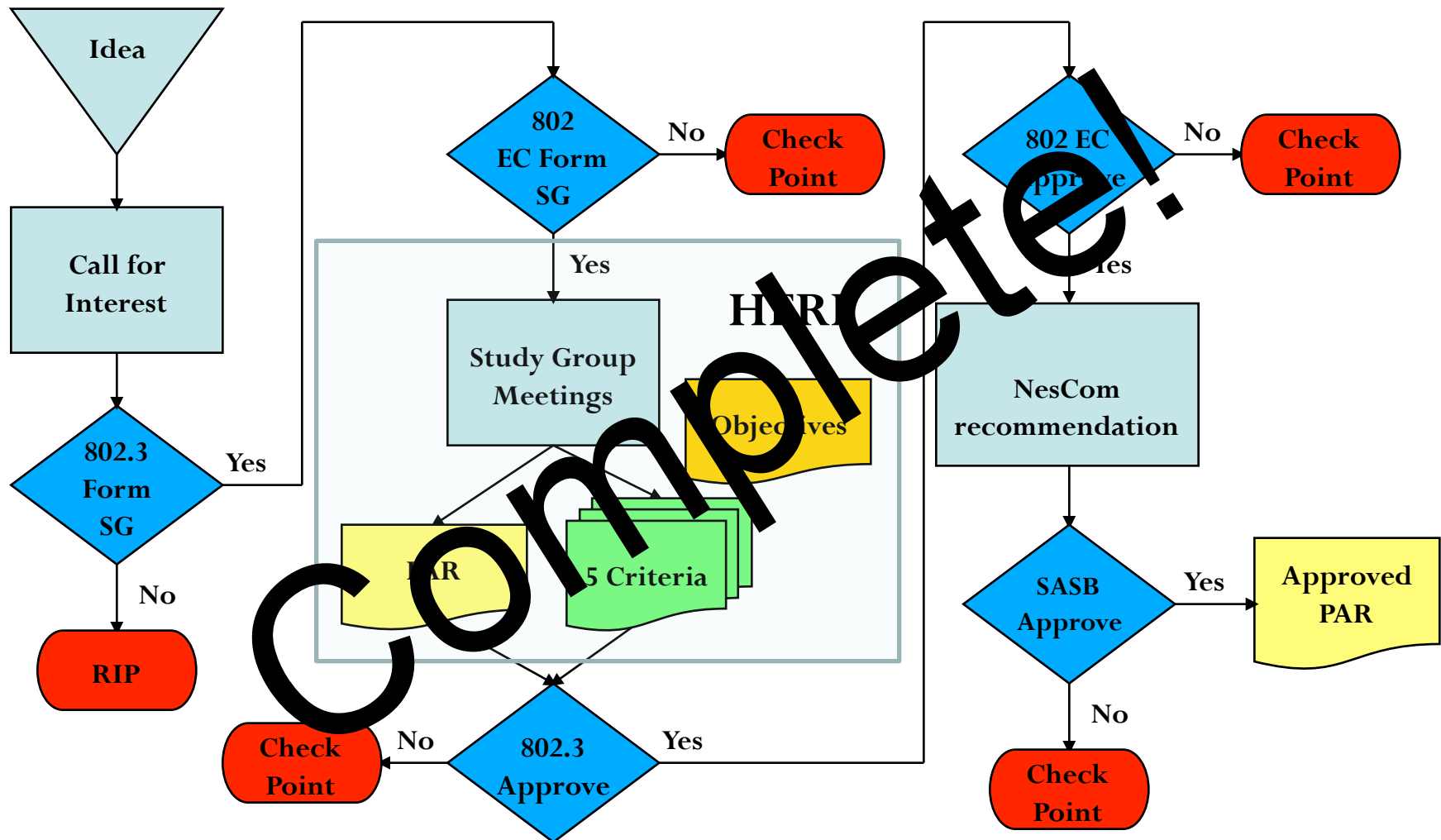
- If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance:
 - Either speak up now or
 - Provide 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

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.**

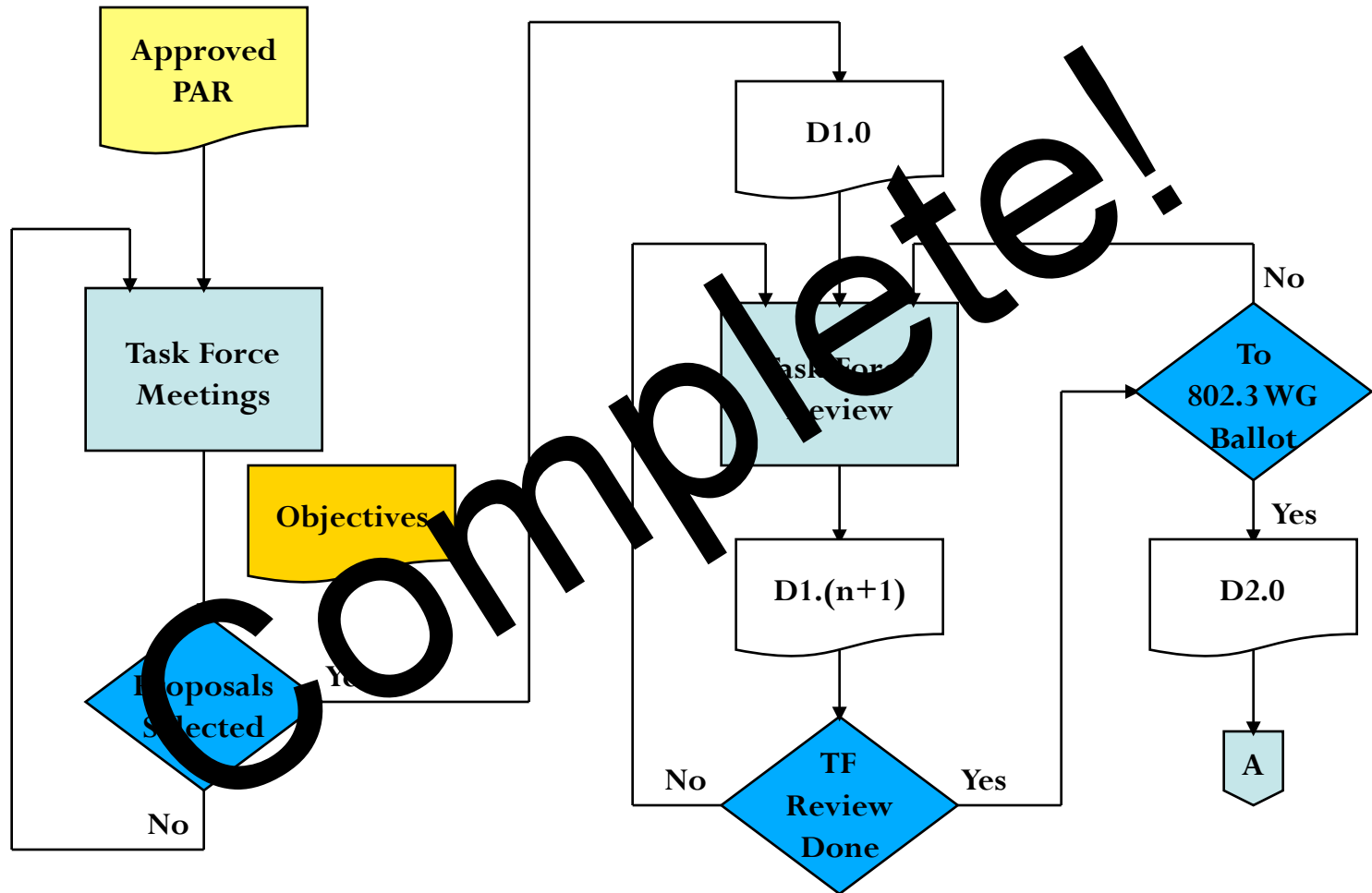
See *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and “Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association's Antitrust and Competition Policy” for more details.

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

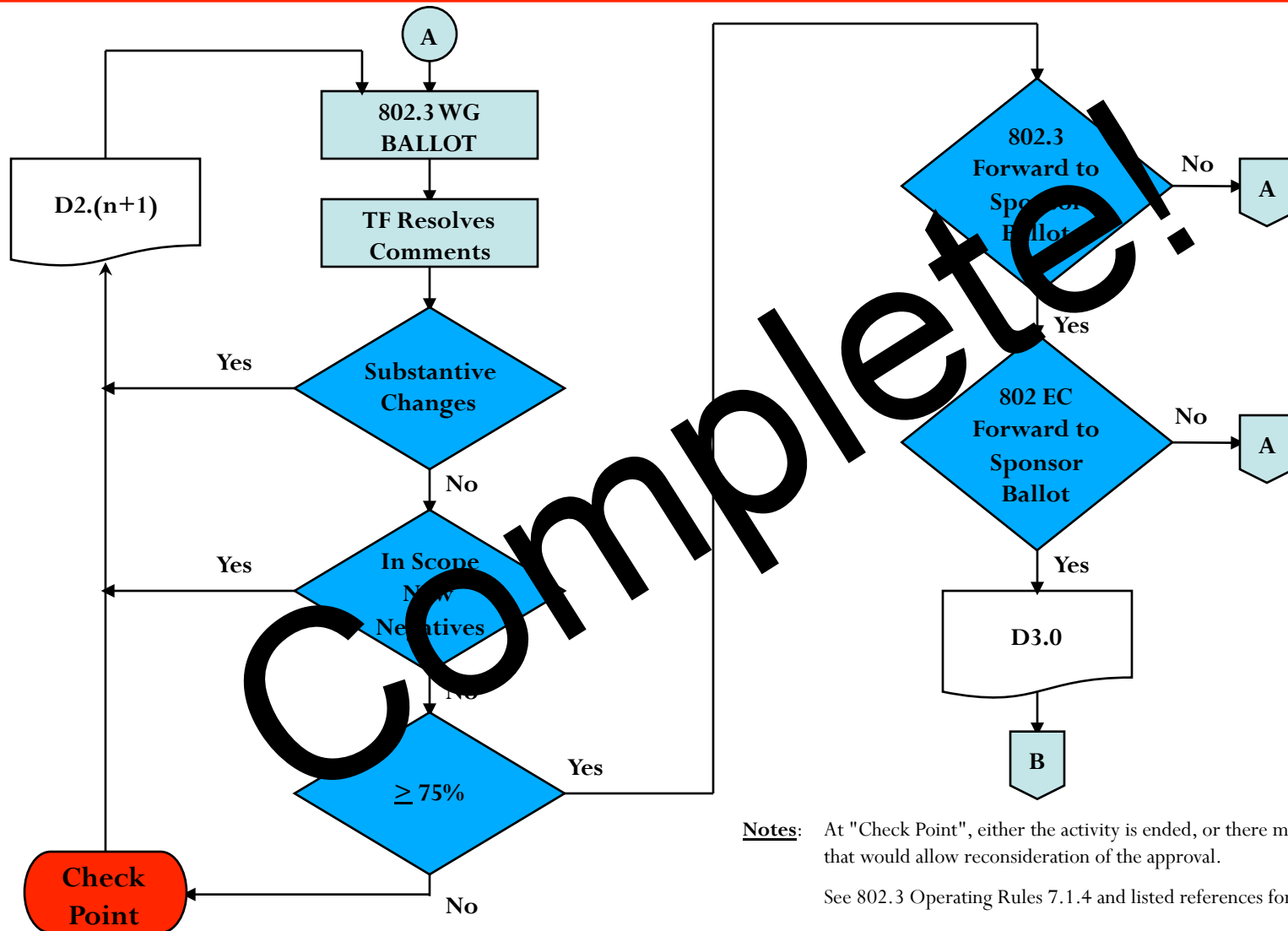


Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

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

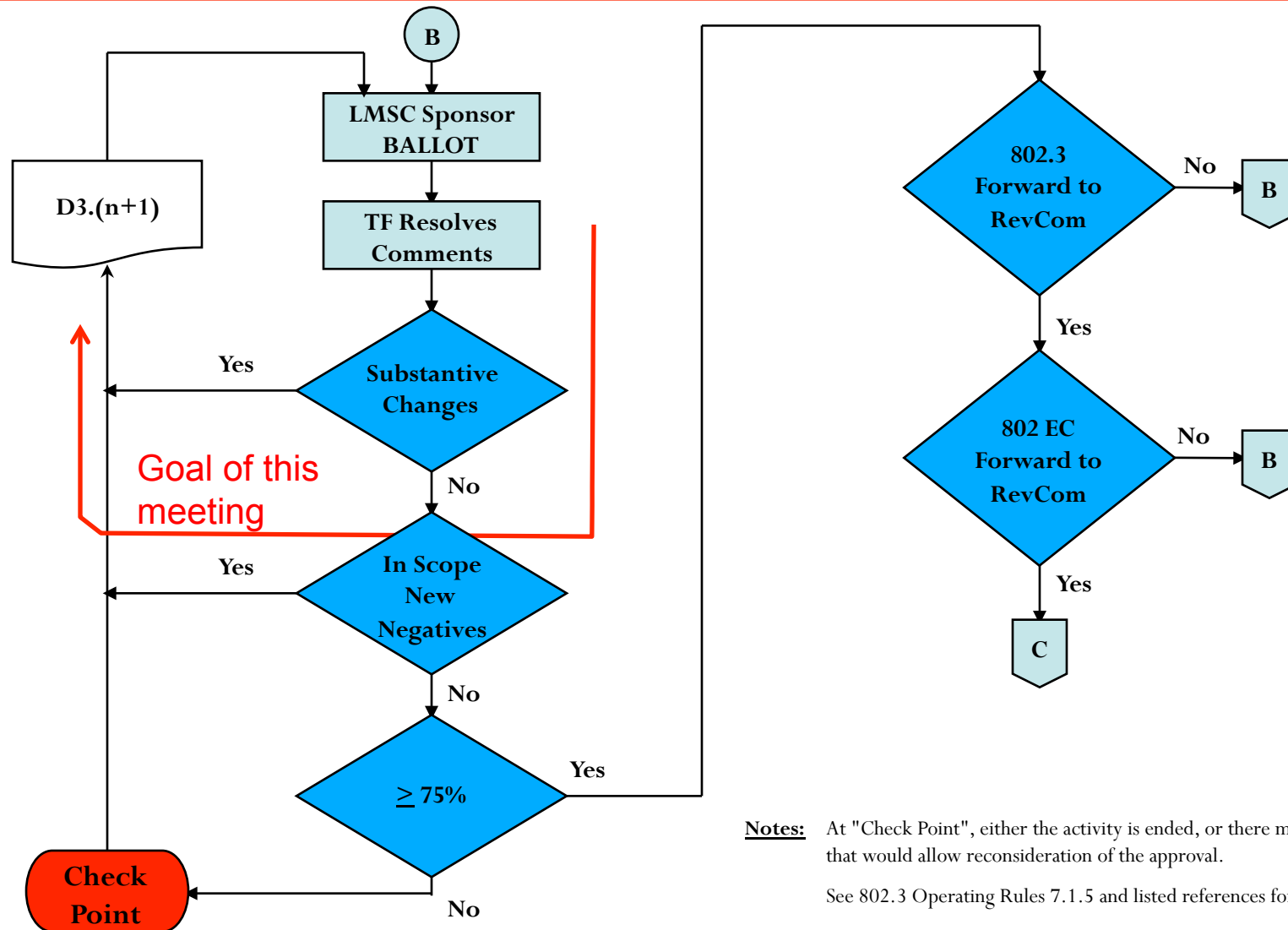


Overview of IEEE 802.3 Standards Process (3/5) – Working Group Ballot Phase



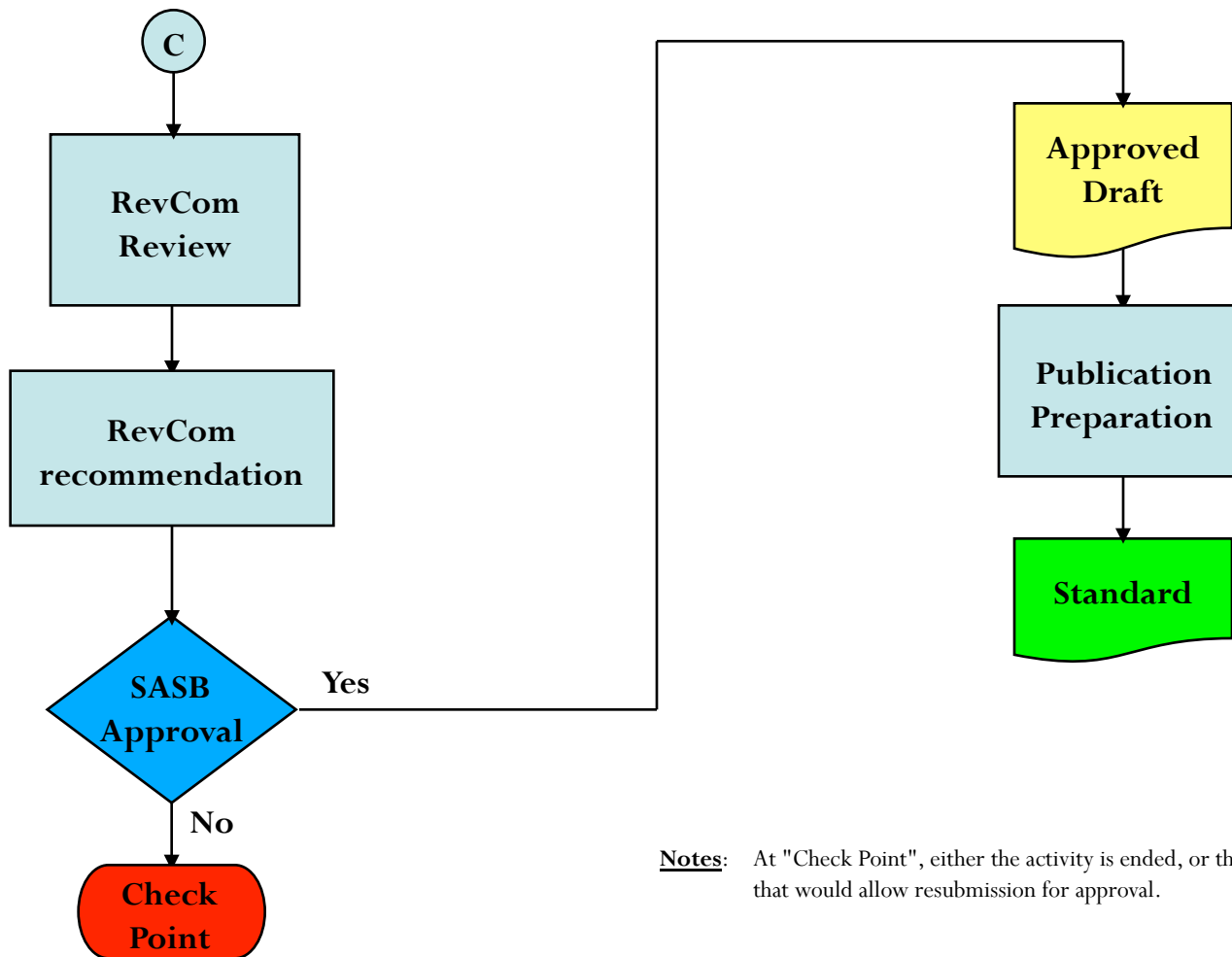
Notes: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.
See 802.3 Operating Rules 7.1.4 and listed references for complete description

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 resubmission for approval.

Liaisons and Communications

- None in process

Action Items

- Draft 3.0 comment resolution responses
- Authorize generation of D3.1 and initiate recirculation ballot

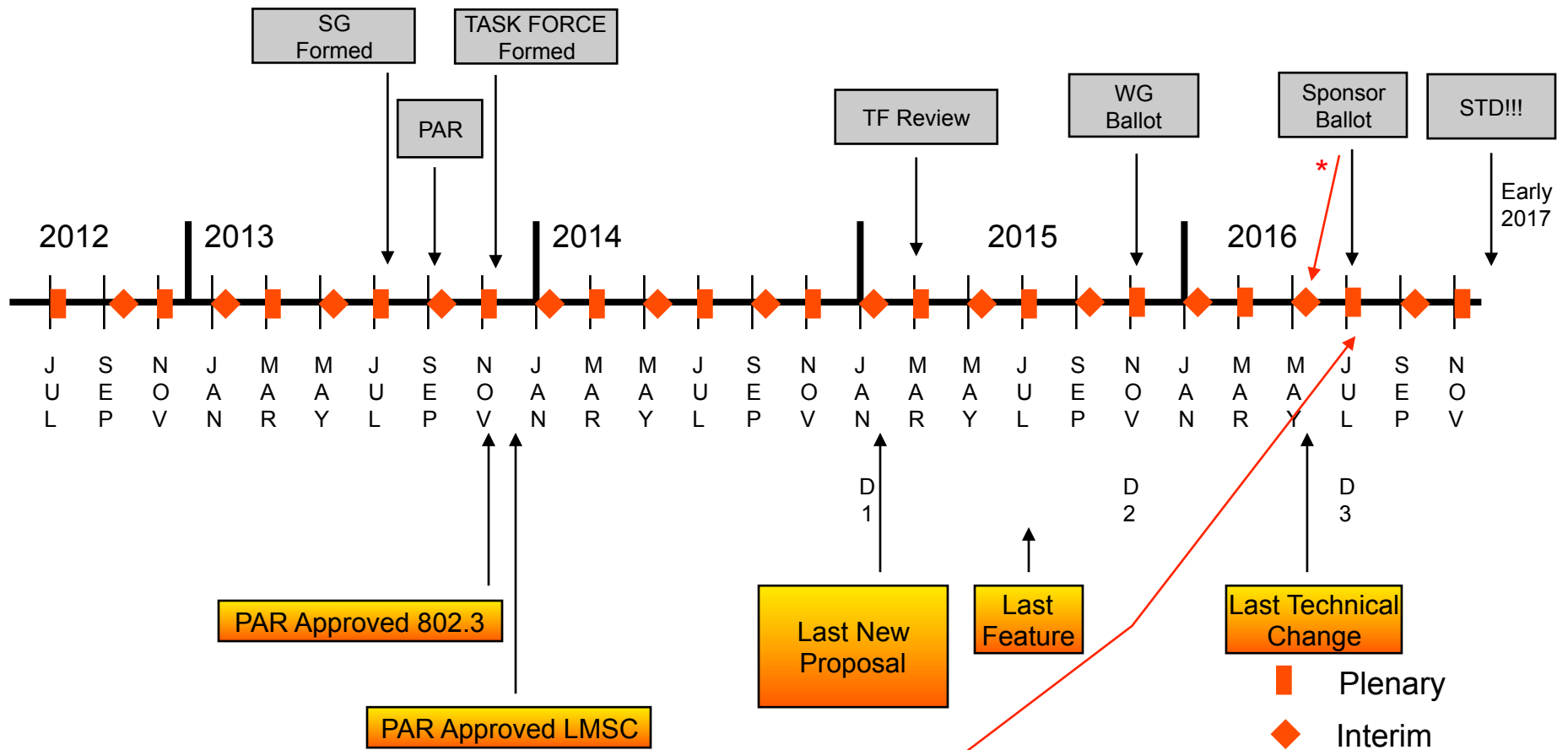
IEEE P802.3bu PoDL Task Force Approved Project Documents

- PAR
 - http://www.ieee802.org/3/bu/P802d3bu_PAR.pdf
 - 5 Criteria
 - http://www.ieee802.org/3/bu/P802d3bu_5C.pdf
 - Objectives
 - http://www.ieee802.org/3/bu/P802d3bu_Objectives.pdf

IEEE P802.3bu PoDL Task Force Objectives

- Specify a power distribution technique for use over a single twisted pair link segment.
- Allow for operation if data is not present.
- Support voltage and current levels for the automotive, transportation, and industrial control industries.
- Do not preclude compliance with standards used in automotive, transportation, and industrial control industries when applicable.
- Support fast-startup operation using predetermined voltage/current configurations and optional operation with run-time voltage/current configuration.
- Ensure compatibility with IEEE P802.3bp (e.g., EMI, channel definition, noise requirements).

IEEE P802.3bu PoDL Task Force Timeline



* Sponsor Ballot pulled in one meeting cycle!

Timeline adopted: 10-Sept-2014

We are HERE now

IEEE P802.3bu PoDL Task Force Working Group ballot results

- Item 1 - Date the ballot closed:
 - Our first Sponsor Ballot closed on 13 July, 2016
 - Received negative votes, will require substantive changes.

- Item 2 - Vote tally:

	Initial Draft D3.0			Req %
	#	%	Status	
Comments: 337				
Abstain	3	3.47	PASS	< 30
Disapprove with comment	8	-	-	-
Disapprove without comment	0	-	-	-
Approve	78	90.7	PASS	≥ 75
Ballots returned	89	85.6	PASS	> 50
Voters	104	-	-	-

Submissions

- All submissions are in conjunction with ballot comments and will be presented during comment resolution.

Detection & Classification Proposal - Comment i-106 - David Abramson TI

Proposed text for Environmental subclause - Comment i-127 George Zimmerman CME / LTC

Remedy for PSE SD variable power_available comments - Comment i-216 Andrew Gardner LTC

Proposal for Type D PSEs and PDs - Comment i-219 491KB/20-July-2016 Andrew Gardner LTC

Remedy for comment about PD SD FAULT behavior - Comment i-222 Andrew Gardner LTC

Remedy for Comment i-69 Regarding VOn in Table 104-6 - Comment i-69 Andrew Gardner LTC/

Meeting Times & Map

IEEE P802.3bu will be meeting Monday at:

Monday	1:00pm - 5pm	Harbor B, 2nd Harbor Tower
Tuesday	8:00am - 5pm	Harbor B, 2nd Harbor Tower

Closing times subject to change as work load requires.

Schedule Information can be found at:

<http://802world.org/apps/session/97/attendee/schedule>

A room map can be found at:

<http://802world.org/plenary/meeting-map/>

Future Meetings

- See: <http://www.ieee802.org/3/interims/index.html>
- **IEEE 802 Interim**
 - Week of September 12, 2016
 - Hilton Ft. Worth
 - Ft. Worth, Texas – USA
- **IEEE 802 plenary**
 - Monday, November 7th through Thursday November 10th
 - Grand Hyatt San Antonio
 - San Antonio, TX – USA
- **IEEE P802.3 interim session**

All IEEE 802.3 Task Force, Study Groups and Ad Hoc's will meet

 - Week of January 9, 2017
 - North American location and venue TBD
- Anyone interested in hosting a interim meeting contact me or the IEEE 802.3 Executive Secretary [Steve Carlson](#).



Thank You!