

Agenda and General Information

IEEE 802.3

Distinguished Minimum Latency Traffic in
a Converged Traffic Environment
(DMLT) Study Group

Ludwig Winkel

ludwig.winkel@siemens.com

Orlando, FL,

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Agenda

- Appointment of Recording Secretary
- Welcome and Introductions
- Approve Agenda
- 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
- Presentations of requirements
- PAR, 5C, and objectives preparation
- Motions and Closing Business
- Future Meetings

Study Group 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

- Review of submitted presentations
- PAR, 5C, and objectives preparation
- Lay the ground work for the next meeting

Big ticket items

- Summarize presented requirements to be the basis for the PAR
- Summarize presented proposals to draft the scope and objectives to fit the requirements
- Drafting PAR

Reflector and Web

- To subscribe to the DMLT reflector, send an email to:

ListServ@ieee.org

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

subscribe stds-802-3-DMLT <yourfirstname> <yourlastname>
end

- Send <<*Study Group Name: IEEE 802.3 DMLT*>> reflector messages to:
stds-802-3-DMLT@listserv.ieee.org
- Study Group web page URL:
<http://www.ieee802.org/3/DMLT/>

Study Group Private Area

No private area established up to now

- URL: <<*Study Group Private Area URL*>>

- Username: <<XXXXXX>>
- Password: <<XXXXXXXX>>

- Write it down...

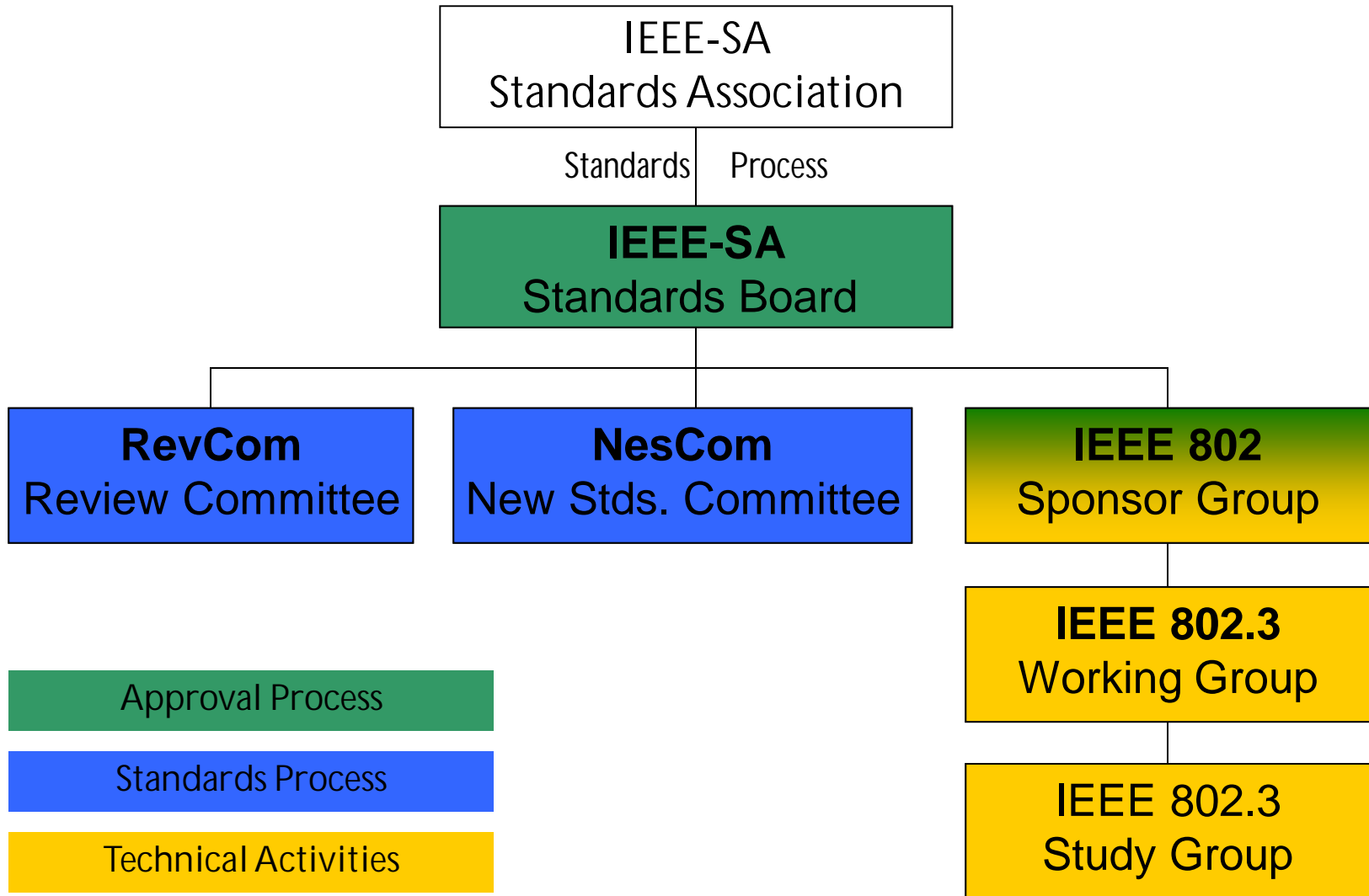
Note: The private area is used to store the draft, and on an exception basis, other copyrighted material shared through a liaison. Since a Study Group does not generate a draft, a private area should only be requested when required, and only at that point this slide will be filled.

- Note - The 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

IEEE Structure



Important Bylaws and Rules

- **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

Guidelines for IEEE-SA Meetings

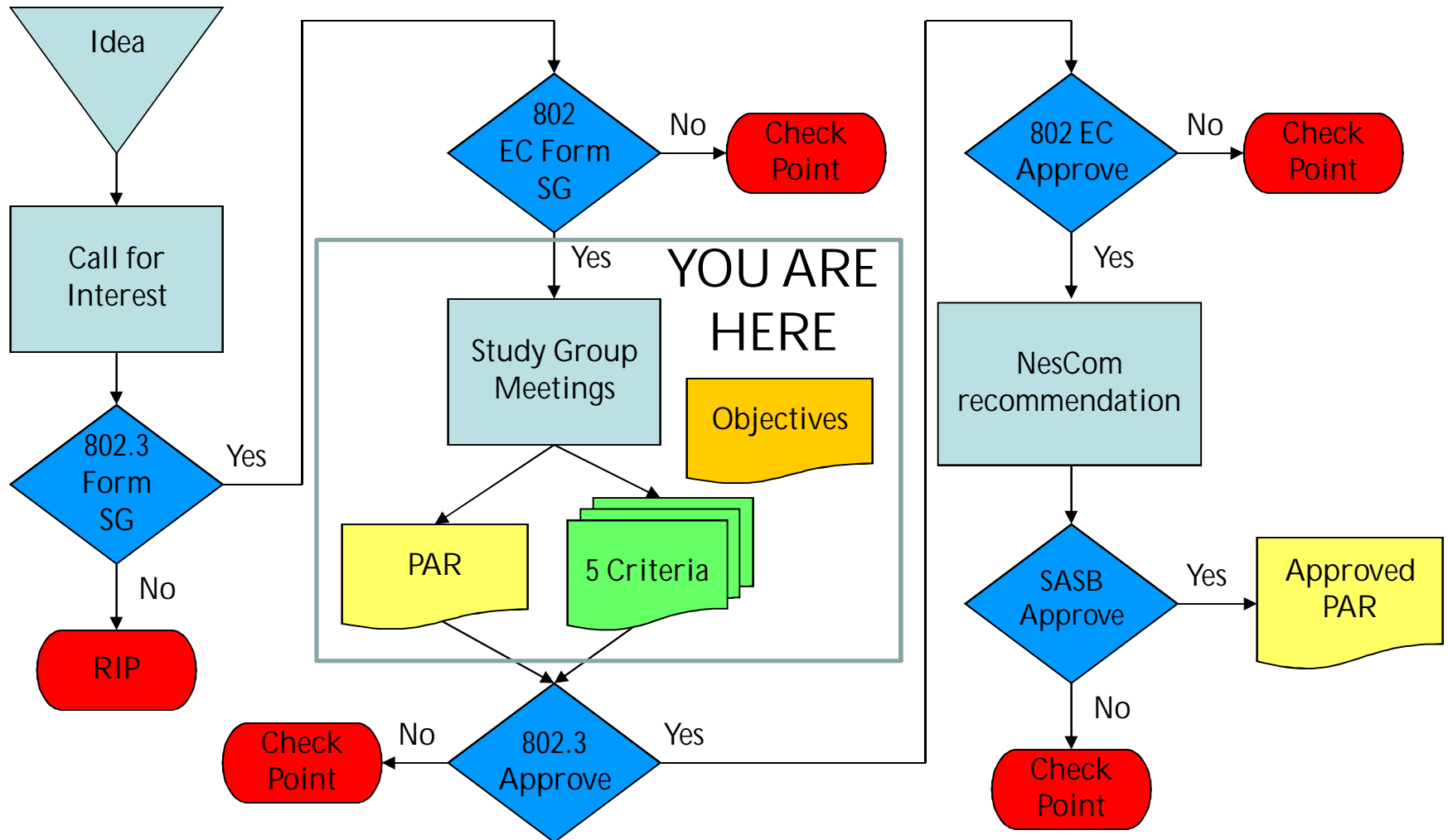
- | **All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.**
- | **Don't discuss the interpretation, validity, or essentiality of patents/patent claims.**
- | **Don't discuss specific license rates, terms, or conditions.**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

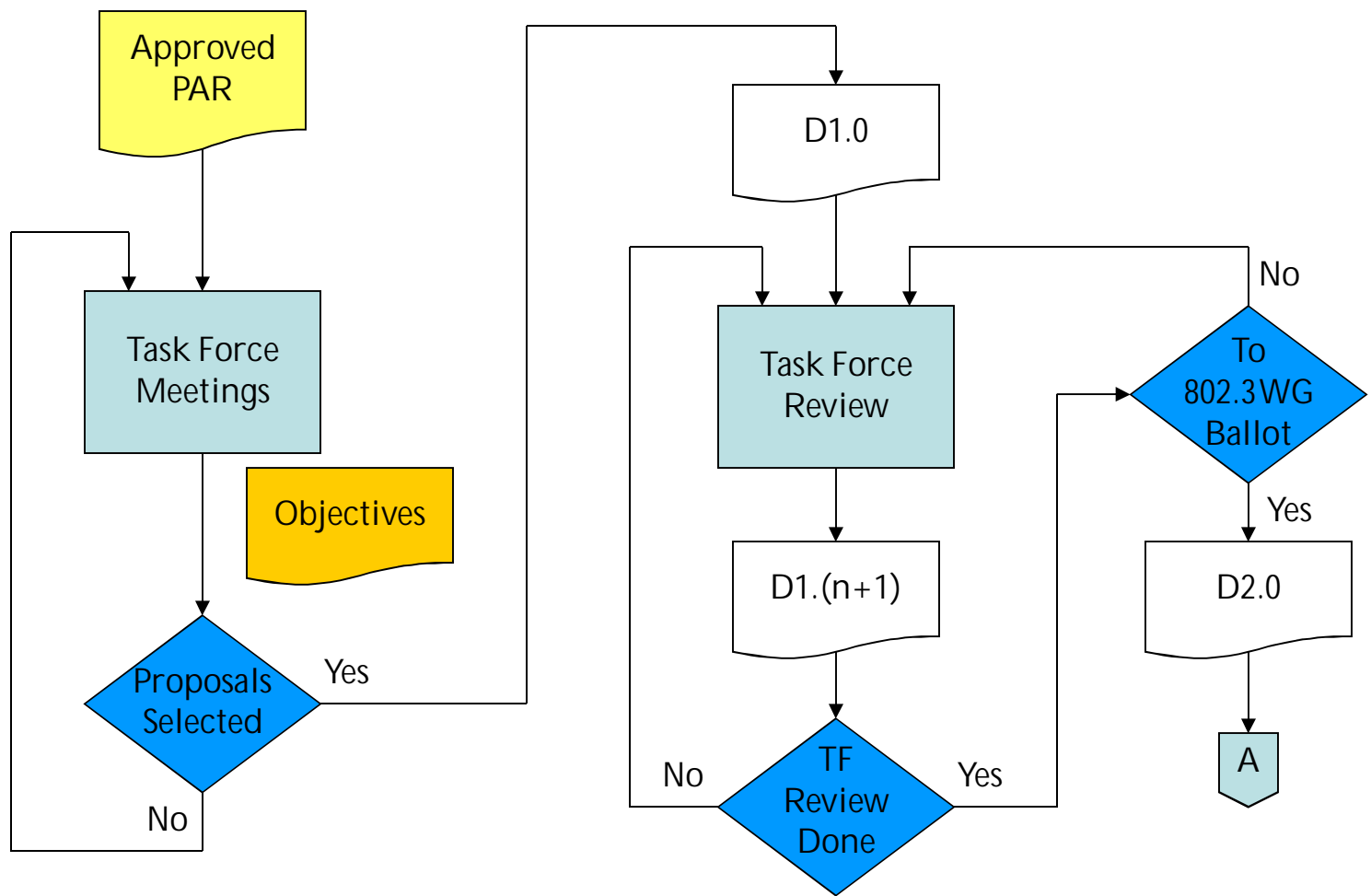
This slide set is available
at <https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.ppt>

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

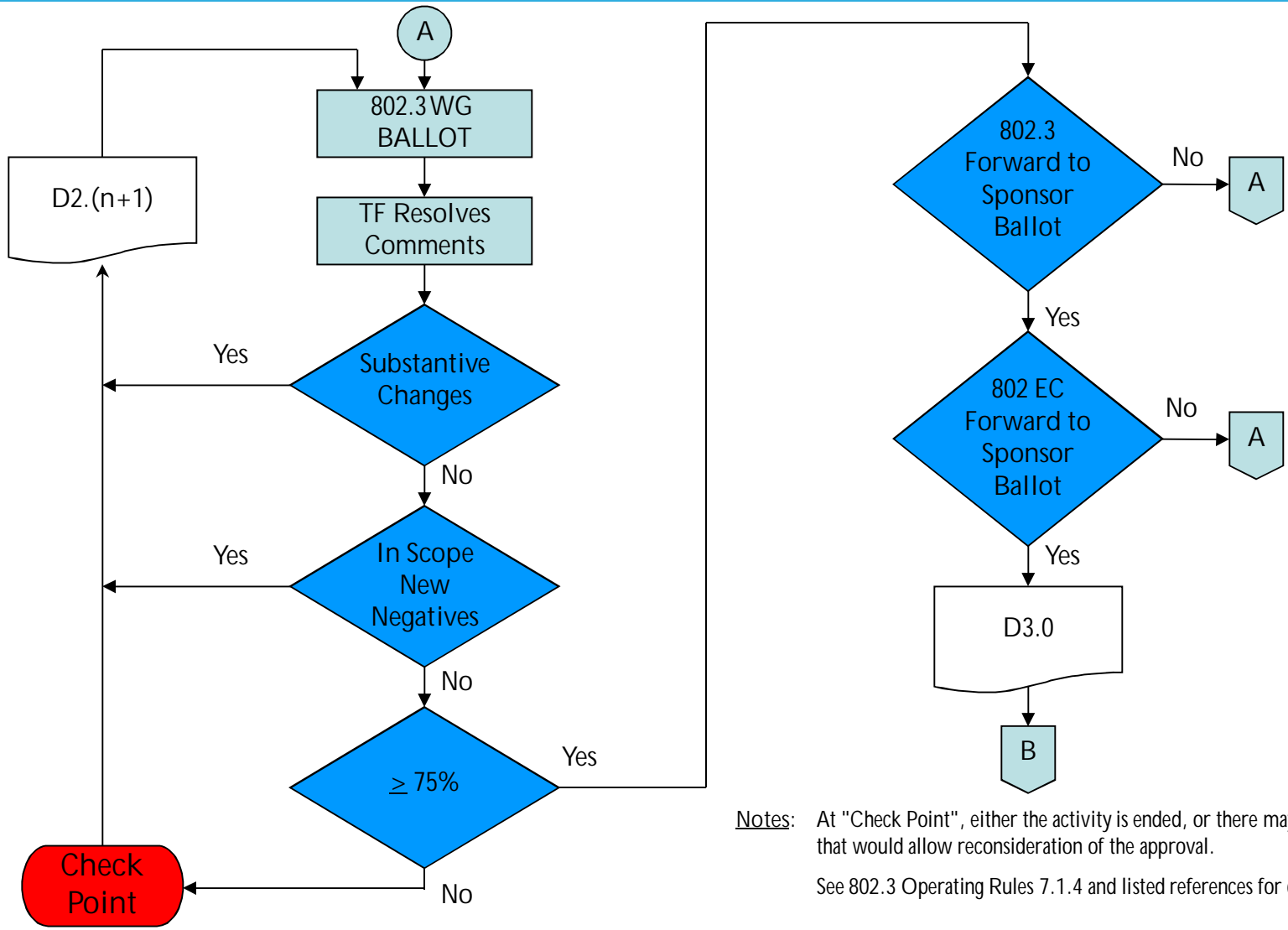


Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

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

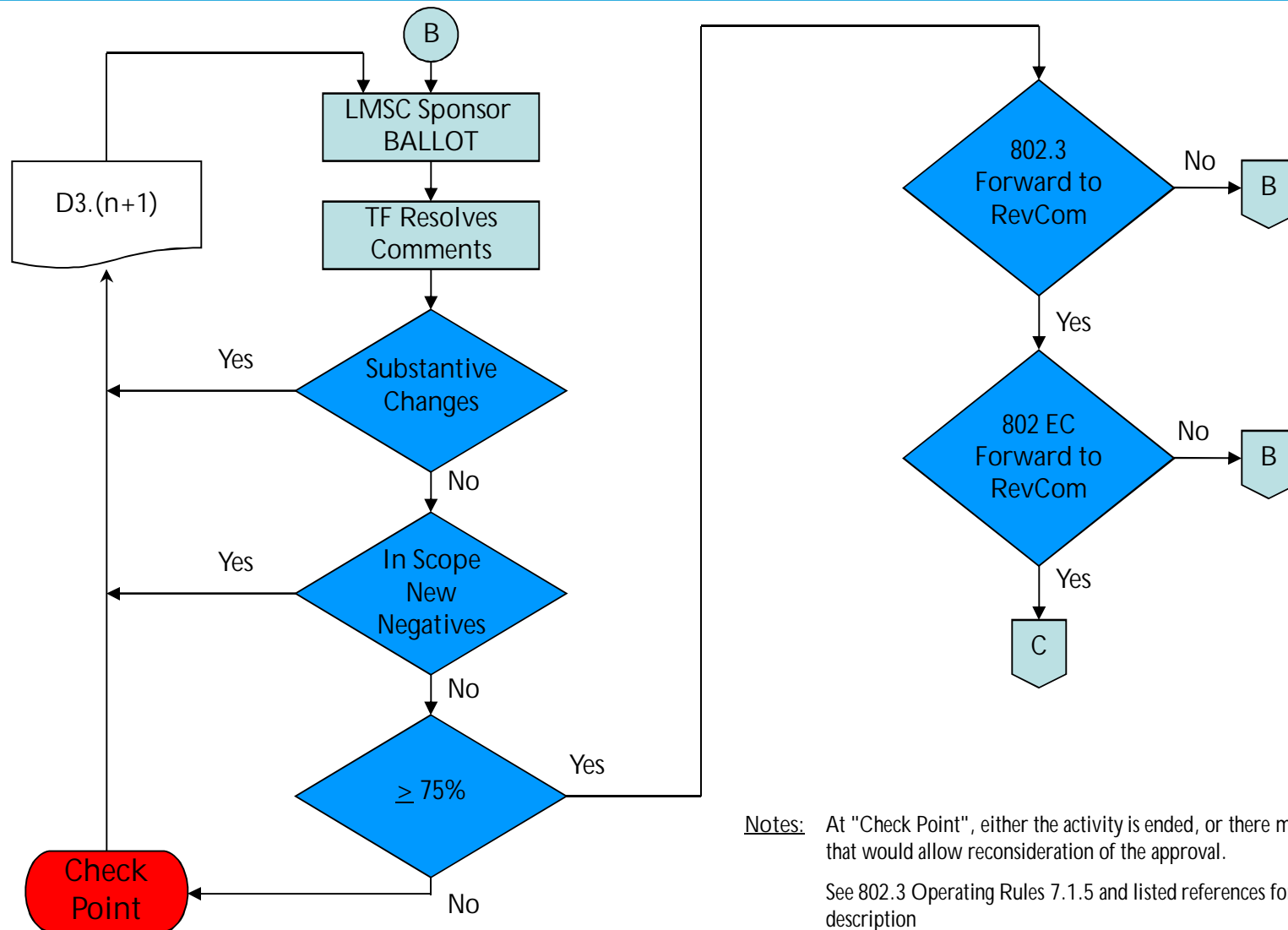


Overview of IEEE 802.3 Standards Process (3/5) – Working Group Ballot Phase



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

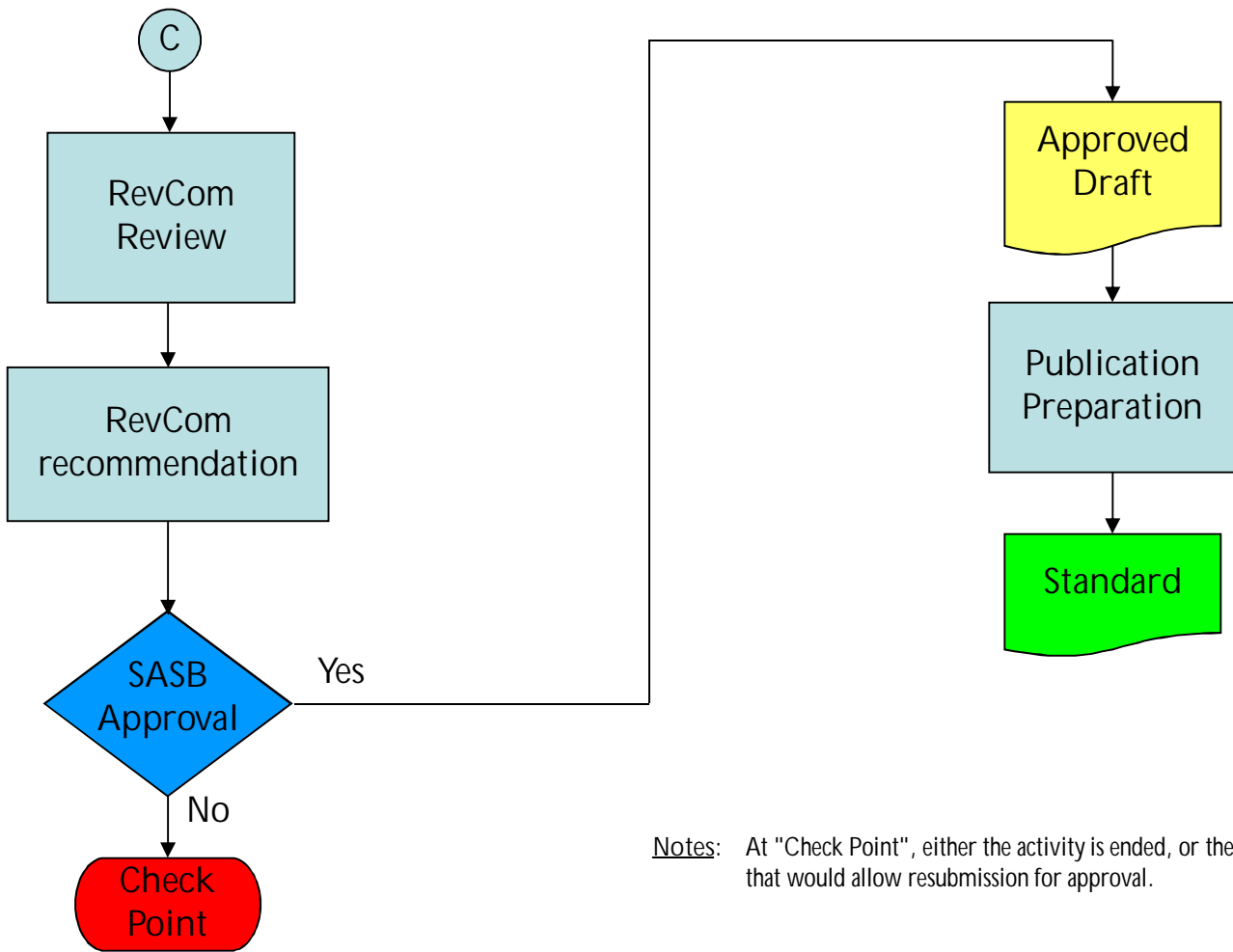
Overview of IEEE 802.3 Standards Process (4/5)- Sponsor Ballot Phase



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 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.

Request for Formation of Study Group (as per San Antonio 2012 Plenary Motion)

Title: IEEE 802.3 Distinguished Minimum Latency Traffic in a Converged Traffic Environment Study Group

Chair: Ludwig Winkel

Acknowledgement of acting chair was done by IEEE 802.3 chair at the beginning of the San Antonio session.

Liaisons and Communications

None

Action Items

None

Attendance

- Tutorial Material on attendance tool
 - http://ieee802.org/3/minutes/mar11/0311_imat.pdf
- URL (Valid for this meeting only)
 - URL: imat.ieee.org
 - Password will be provided verbally

Meeting hours

- Meeting starts at 9:00am per day
- Morning break at 10:30am
- Lunch 12:00 – 13:30
- Afternoon break at 3pm

Presentations

Ludwig Winkel	Boilerplate, agenda, logistics
Albert Tretter	Preemption (Tretter_03_0313_Preemption_DMLT_r01)
Pat Thaler	802.3 DMLT below the MAC (techn. Feasability)
Anatoly Moldovansky	Compatibility slide
Christian Boiger	Time aware shaper in combination with DMLT
Oliver Kleineberg	Market numbers
Yong Kim	Draft PAR and 5C, objectives

Meeting Map

Tu AM + PM: General Presentations & Drafting PAR

Ludwig

We AM + PM: Presentations & Drafting PAR

See list

Th AM: Objectives; Next meetings

Yong & Ludwig

Summary of the Presentations

Albert and Pat:

The two presentations demonstrated feasibility for preemption in a MAC Merge sublayer. Albert Trotter's presentation showed an encapsulation that produces fragments that appear to be MAC frames that appear to be normal MAC frames except for the altered CRC. Pat Thaler's presentation showed a lower overhead Mframe* approach that replaces the SFD with one of a set of delimiter values to indicate the Mframe type. Both proposals are capable of preserving Ethernet false frame detection capability.

*Mframe = the unit of transmission from the MAC Merge sublayer.

Anatoly:

Homework on 5C

Oliver:

Homework on 5C

Christian:

Time aware shaper approach related to DMLT

Future Meetings

- See: <http://www.ieee802.org/3/interims/index.html>
- Mai 2013, Interim
 - Victoria, BC, Canada
 - 2013-05-16 ... 2013-05-17
 - 2013-05-15 joint meeting with IEEE 802.1 tentatively
- July 2013, Plenary
 - Geneva, Switzerland
 - 2013-07-16 ... 2013-07-18
- Anyone interested in hosting a interim meeting contact me or the IEEE 802.3 Executive Secretary [Steve Carlson](#).

Thank You!