Time Synchronization Study Group
Agenda and General Information

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IEEE 802.3 TSSG
Quebec April 2009

Agenda

- Welcome and Introductions
- Appoint/Volunteer Recording Secretary
- Goals for this Meeting
- Reflector and Web
- Ground Rules
- IEEE

  - Structure

  - Bylaws and Rules

  - Call for Patents

  - IEEE Standards Process
- Presentations
- Future Meetings

Goals for this Meeting

- **To go over IEEE process and general TSSG information**
  - Email reflectors, Web page, Plenary and Interim meetings, voting
  - What is the IEEE SA standards process?
    - Study Groups
    - PAR
    - Five Criteria
    - Goals and Objectives
- **To hear presentations**
  - Meet the participants in the TSSG
  - Discuss how TSSG will work with 802.1, 802.3az, and 802.3ba
  - Discuss the relevant IEEE Stds – IEEE-1588 and IEEE P802.1AS
  - Discuss other applications for Time Sync
- **To build consensus**
  - Goals and Objectives

Reflector and Web

To subscribe to the Time Synchronization Study Group send an email containing the following text in the body of the message to:

subscribe stds-802-3-time <yourfirstname> <yourlastname>

to

ListServ@ieee.org

Time Synchronization Study Group web page URL:

http://www.ieee802.org/3/time_adhoc/

Ground rules

- **802.3 Rules apply**
  - 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
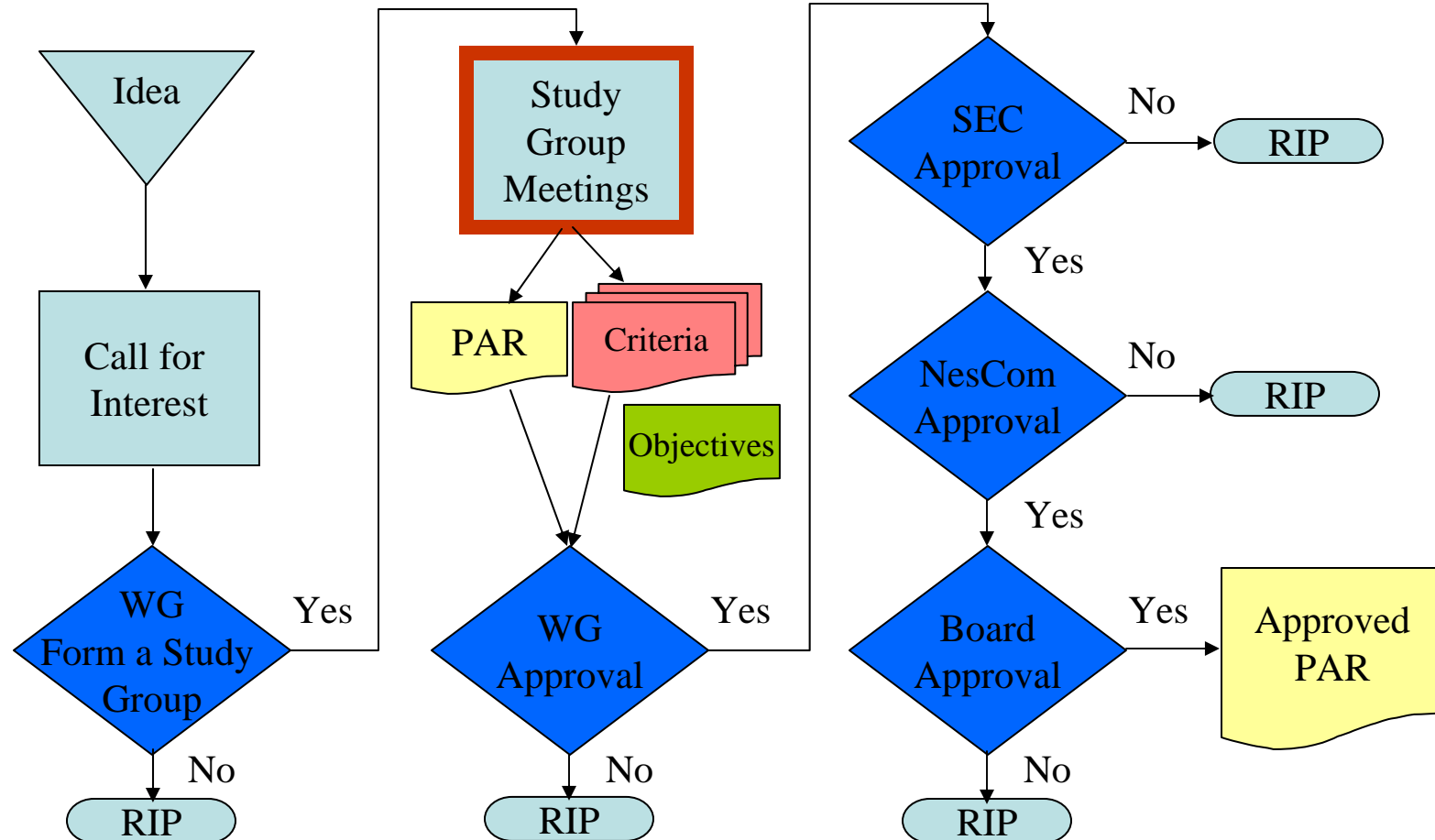- NO restrictive notices

IEEE Standards Structure

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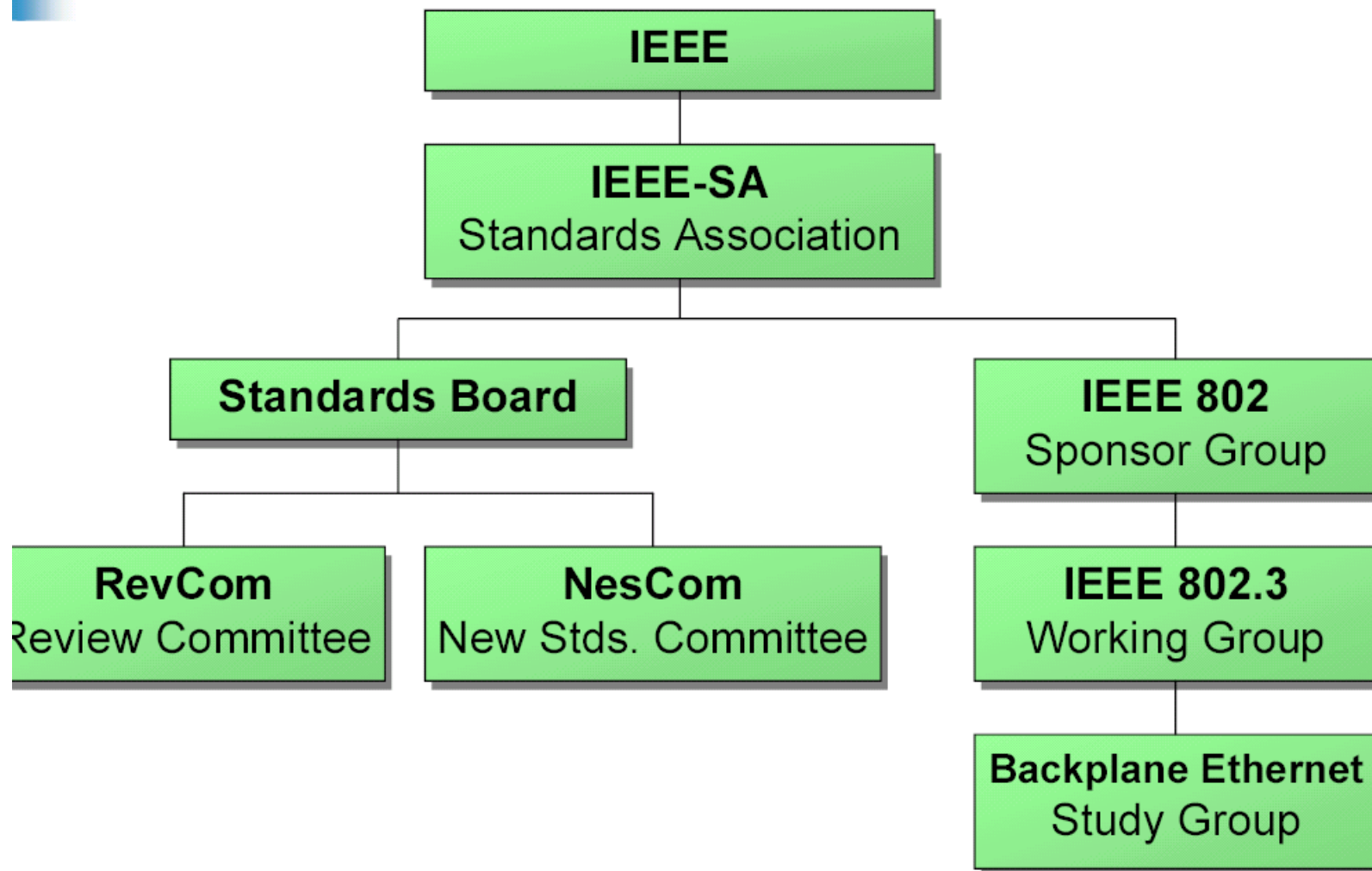
Bylaws and Rules

- **Bylaws of the IEEE Standards Association (IEEE-SA):**
- **http://standards.ieee.org/sa/sa-bylaws.pdf**
- **Bylaws of the IEEE-SA Standards Board:**
- **http://standards.ieee.org/guides/bylaws/sb-bylaws.pdf**
- **IEEE LAN/MAN Standards Committee (LMSC)**
- **Operating Rules:**
- **http://www.ieee802.org/rules.pdf**
- **IEEE 802.3 Working Group Operating Rules:**
- **http://www.ieee802.org/3/rules/**
- **IEEE SA Patent Policy**
- **http://www.ieee802.org/3/patent.html**

Patent Policy

- **http://standards.ieee.org/board/pat/pat-slideset.ppt**

Standards Process

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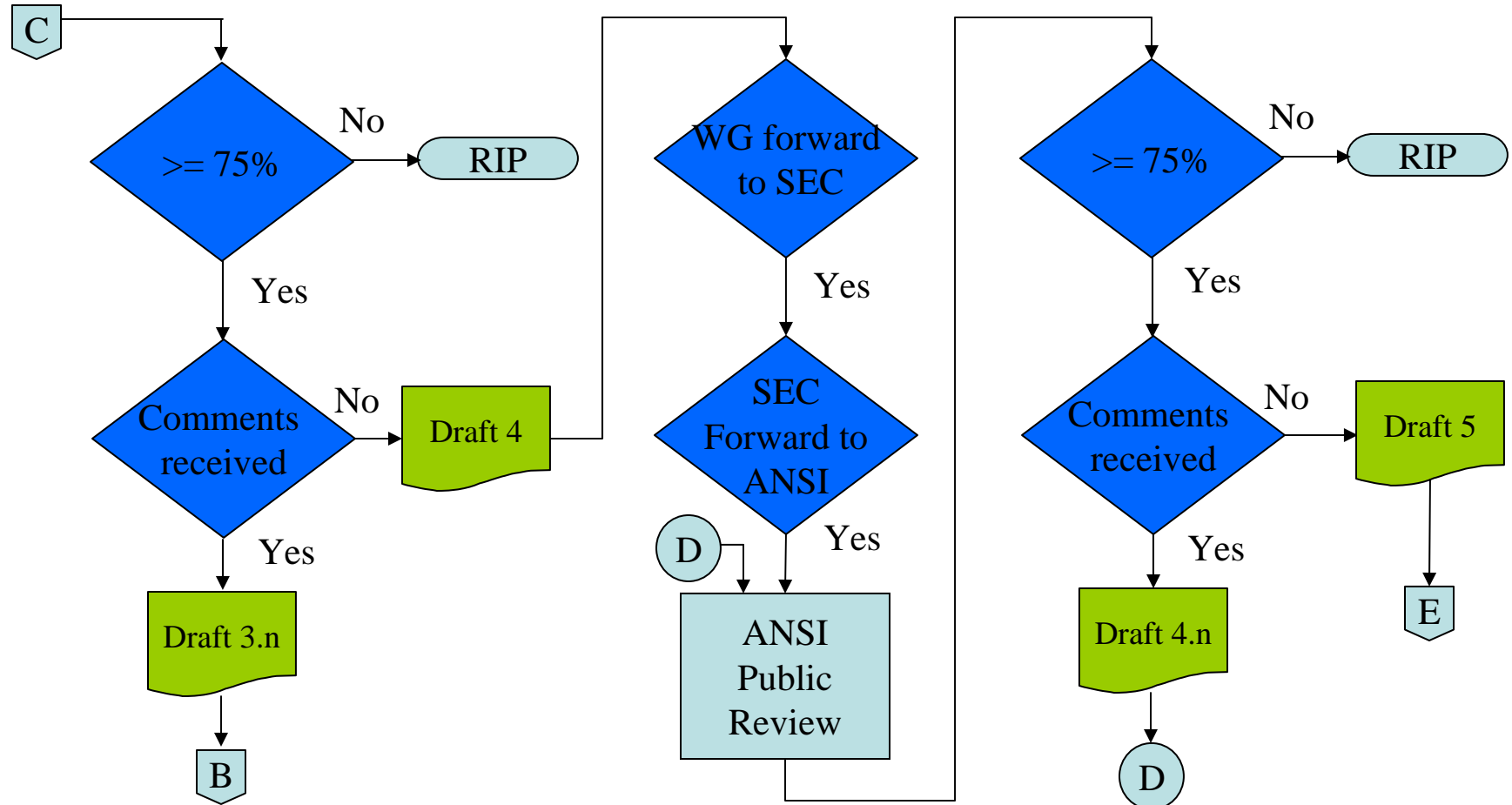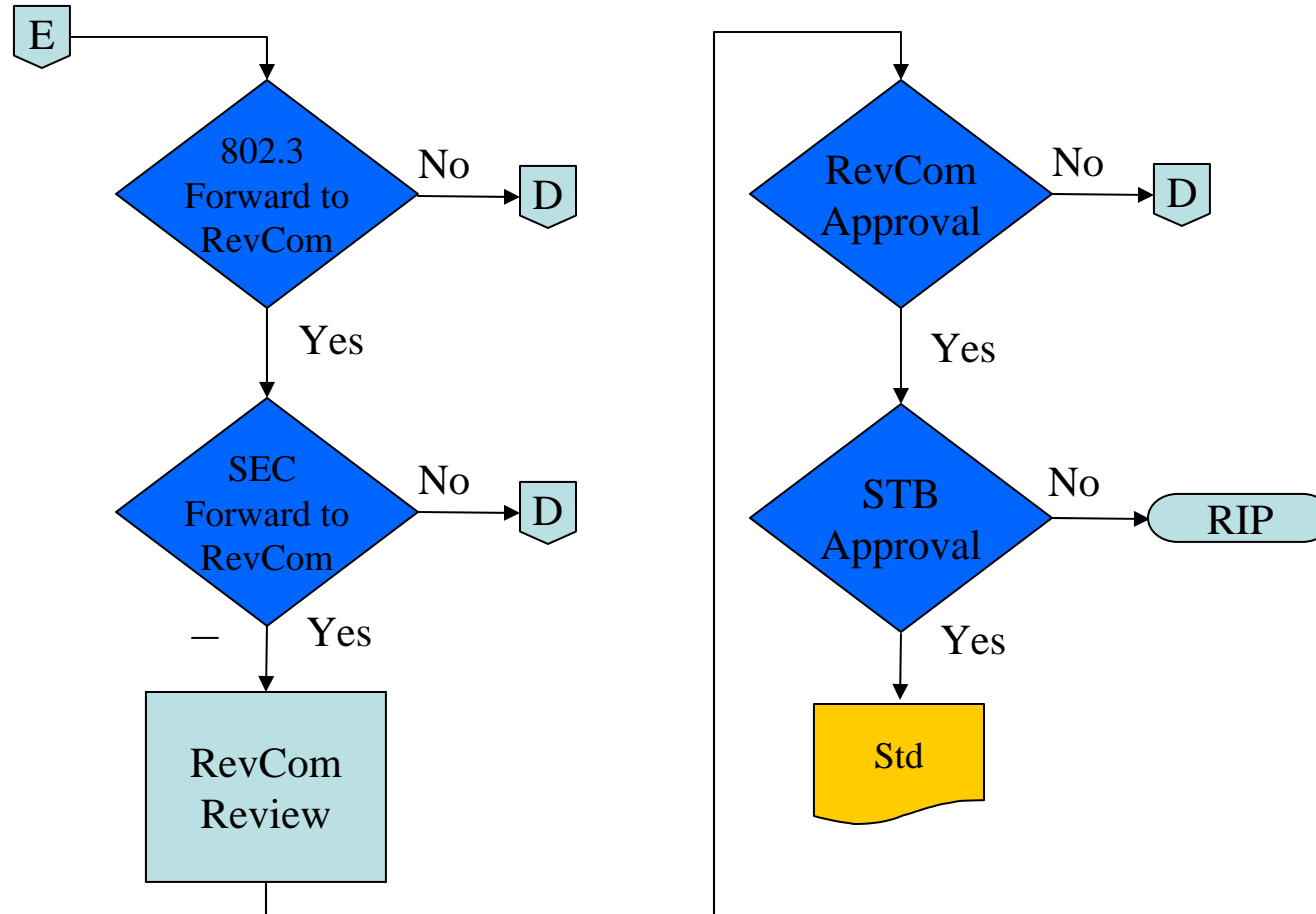
Standards Process

Study Group

- Function is to draft a PAR and 5 criteria and objectives
- Gain approval at WG 802.3, 802 SEC, IEEE NesCom and IEEE Stds. Board
- SG only exists for 6 months
  - Extensions can be requested… voted on by 802.3, ratified by SEC
- Development of Objectives helps set the goals for the Task Force
- Developing consensus
  - Education helps build consensus
  - Consensus (> 75%) required to move forward

Study Group

- Study Group NON-FUNCTION: Chose a solution

SCOPE from CFI (as of 03/09)

Support in 802.3 for IEEE 802.1AS by providing an accurate indication of the transmission and reception initiation times of certain packets

Project Authorization Request (PAR)

- Title
  - What we are calling this

- Scope
  - Focus: Ethernet as a ??

- Purpose
  - Why do we want to do this

The 5 Criteria

- Howard Frazier has an excellent presentation on the "Five Critters"

Objectives

- Objectives are an 802.3 construct

- They are a "contract" between the Task Force and the Working Group – the "deliverables"

- The TSSG will build by consensus the project objectives

Presentations

- "Review of the Five Criteria," Howard Frazier, Broadcom

- "IEEE 802.3ba: Architecture Overview," David Law, 3Com

- "IEEE 802.3az: Energy Efficient Ethernet and Time Synchronization," Mike Bennett, LBL

- "Synchronization Requirements in Cellular Networks over Ethernet," J. Kevin Rhee of KAIST, Kyusang Lee of ACTUS Networks, and Seung-Hwan Kim of ETRI S. Korea

Work towards July Plenary

- Presentations addressing the objectives and the 5 criteria
  - Consider all the various constraints
  - 802.3az EEE
  - 802.3ba HSE
  - Insure IEEE – 1588 compatibility
  - Work with 802.1 AVB

Future Meetings

- IEEE 802 Plenary Meeting, July 13 – 16, San Francisco, CA
  - 802.3 Plenary Monday 1PM – 6PM
  - TSSG Tuesday – Wednesday 9AM – 5PM
  - TSSG Thursday 9AM – 12AM
  - 802.3 Plenary Thursday 1PM –6PM