Power over Ethernet Plus
802.3 Study Group
Agenda and General Information

Mike_S_McCormack, PoEP Chair
3Com Corporation

Agenda

- Introductions
- Appoint Recording Secretary
- Ground Rules
- IEEE Patent Policy
- IEEE structure, rules and process
- Goals for this meeting
- Web and e-mail and other SG stuff
- Presentations
- Motions

Ground Rules

- **Mutual Respect**
- All may speak
- All may vote
- No product pitches
- No corporate pitches
- No restrictions on presentations or materials
- No prices
  no cost in any currency, complexity is OK
- 802.3 rules apply

IEEE-SA Standards Board Bylaws on Patents in Standards

6. Patents

IEEE standards may include the known use of essential patents and patent applications provided the IEEE receives assurance from the patent holder or applicant with respect to patents whose infringement is, or in the case of patent applications, potential future infringement the applicant asserts will be, unavoidable in a compliant implementation of either mandatory or optional portions of the standard [essential patents]. This assurance shall be provided without coercion and prior to approval of the standard (or reaffirmation when a patent or patent application becomes known after initial approval of the standard). This assurance shall be a letter that is in the form of either:

a) A general disclaimer to the effect that the patentee will not enforce any of its present or future patent(s) whose use would be required to implement either mandatory or optional portions of the proposed IEEE standard against any person or entity complying with the standard; or

b) A statement that a license for such implementation will be made available without compensation or under reasonable rates, with reasonable terms and conditions that are demonstrably free of any unfair discrimination.

This assurance shall apply, at a minimum, from the date of the standard's approval to the date of the standard's withdrawal and is irrevocable during that period.

Approved by IEEE-SA Standards Board – March 2003 (Revised December 2004)

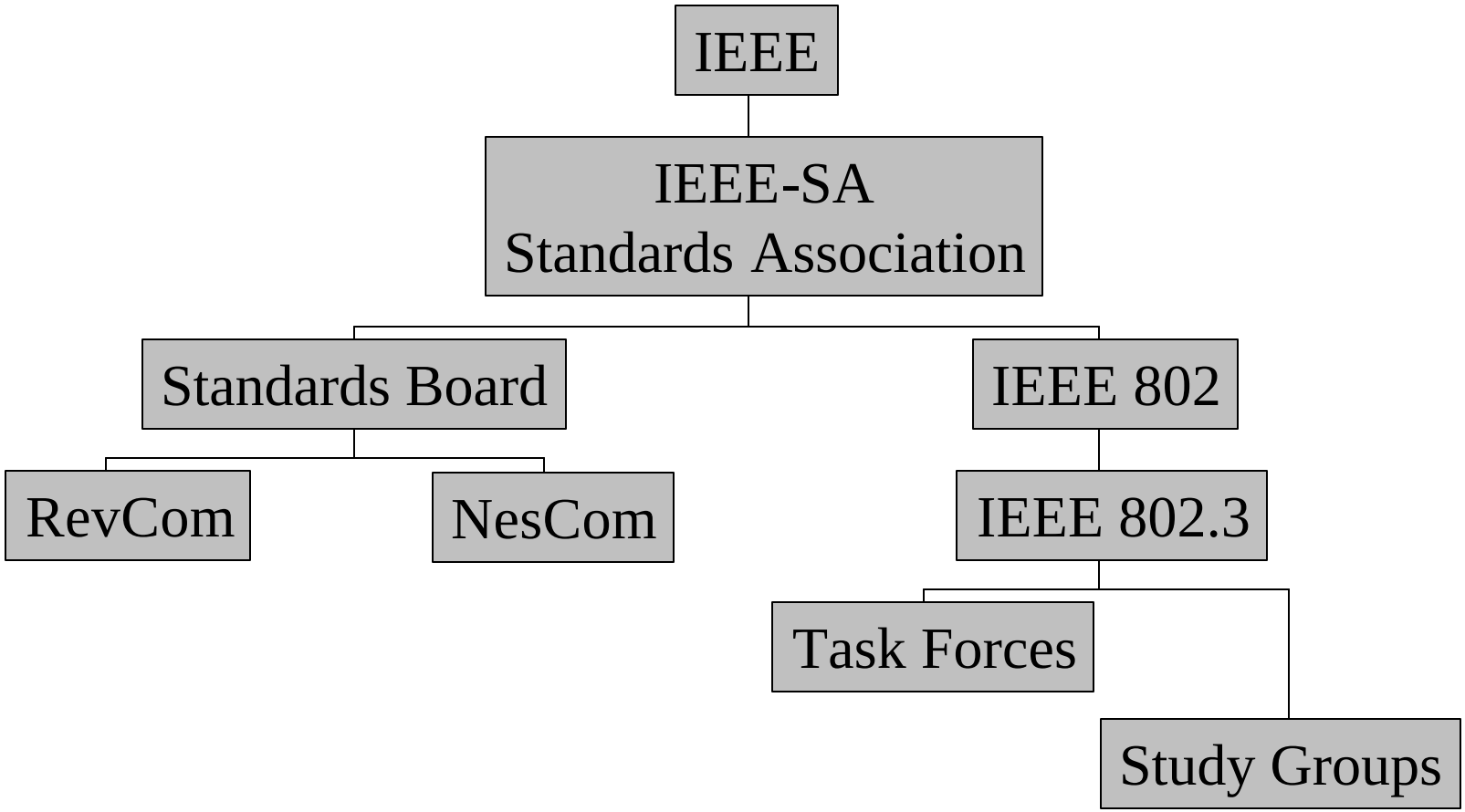
Inappropriate Topics for IEEE WG Meetings

- Don't discuss licensing terms or conditions
- Don't discuss product pricing, territorial restrictions, or market share
- Don't discuss ongoing litigation or threatened litigation
- Don't be silent if inappropriate topics are discussed… do formally object.

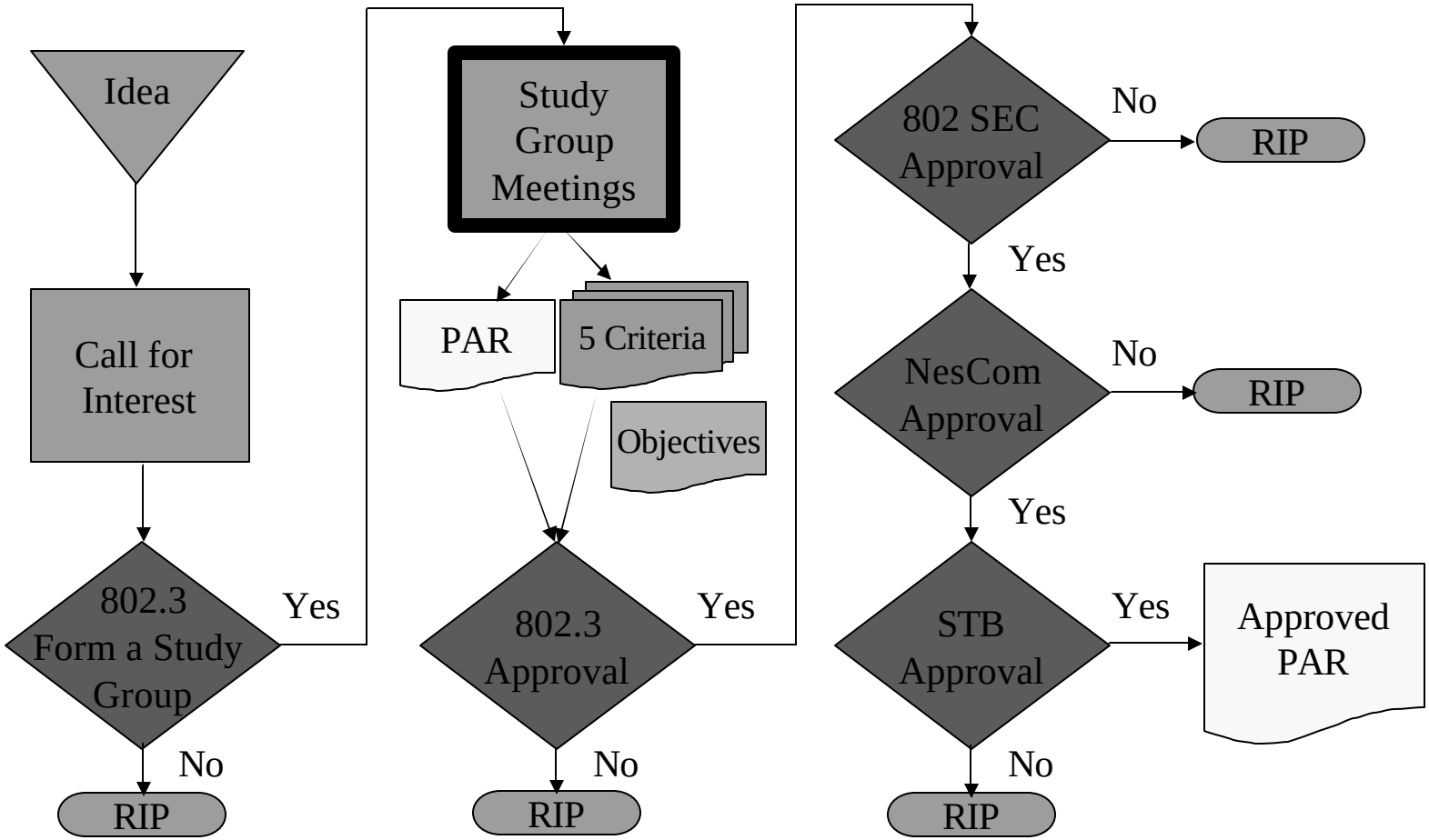
If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at patcom@ieee.org or visit http://standards.ieee.org/board/pat/index.html

This slide set is available at http://standards.ieee.org/board/pat/pat-slideset.ppt

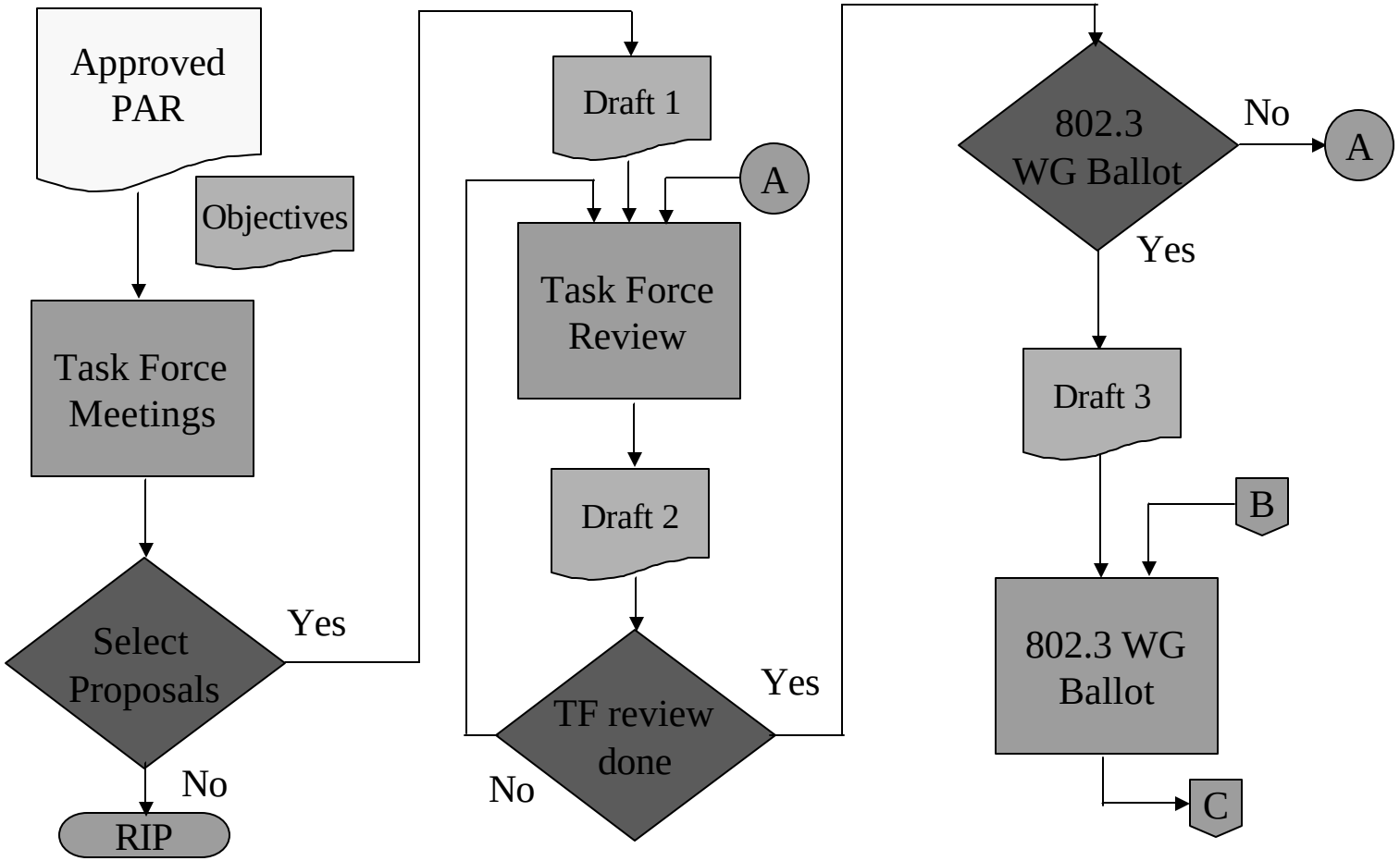
IEEE Structure



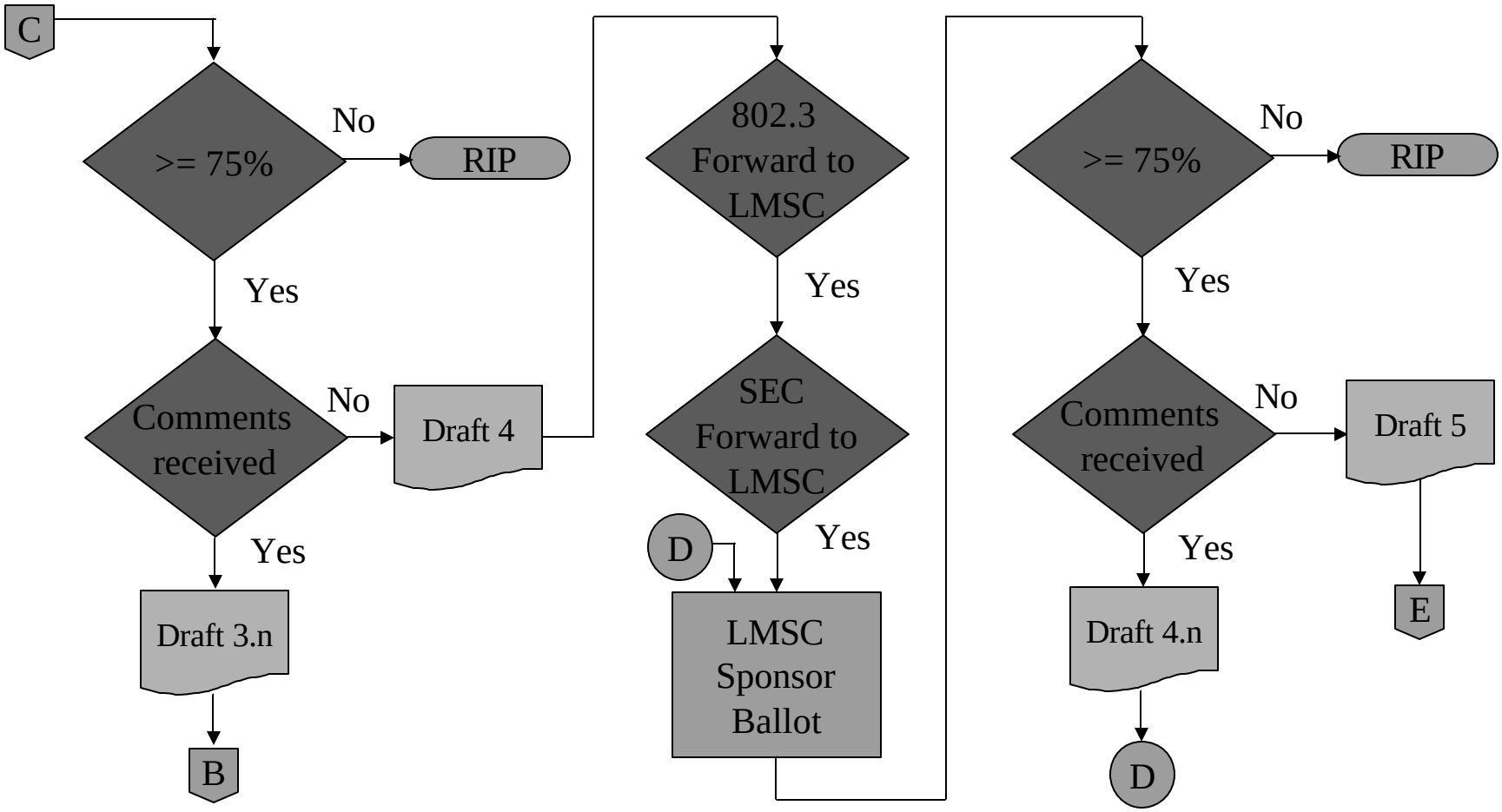
IEEE Standards Process



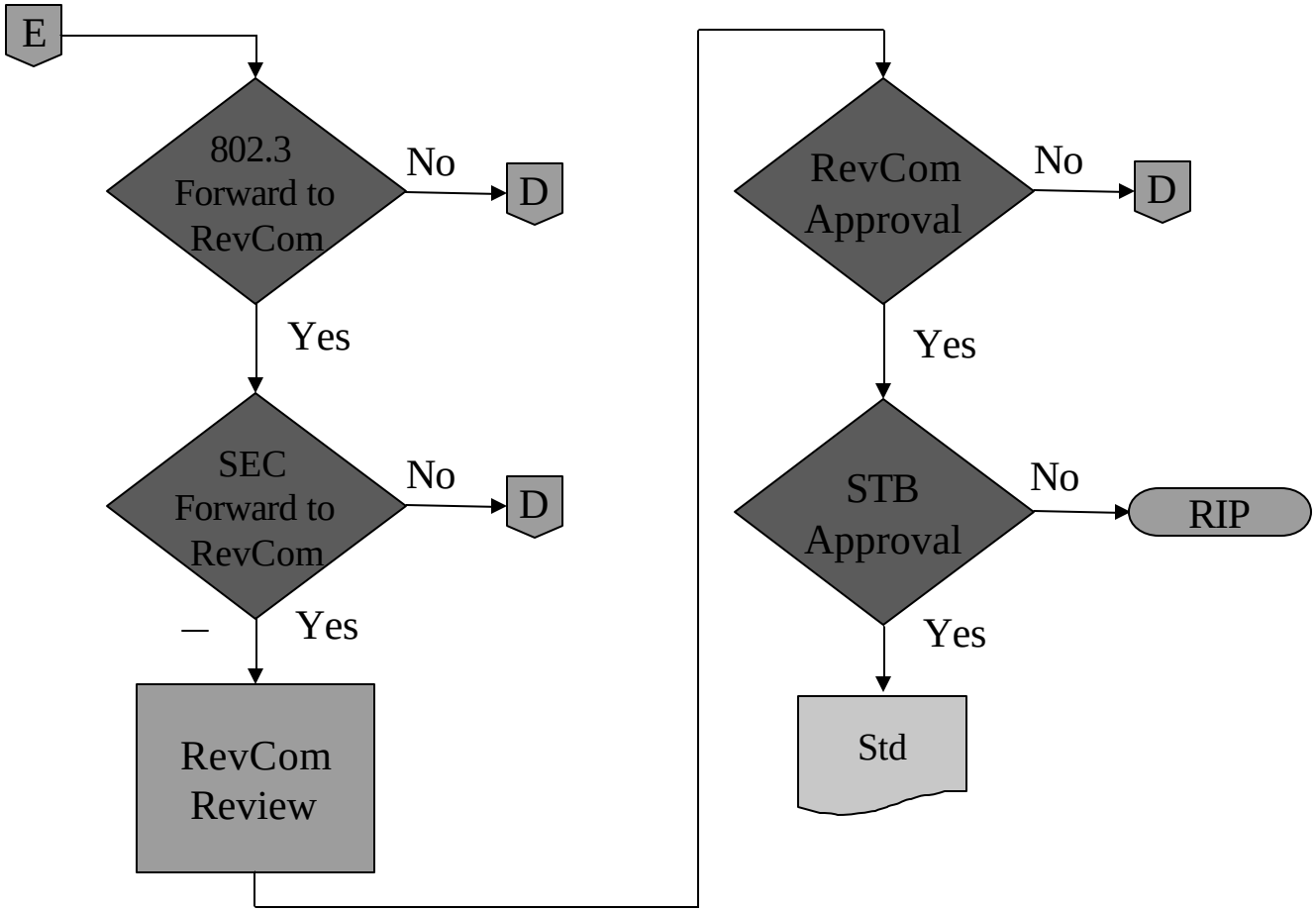
IEEE Standards Process



IEEE Standards Process



IEEE Standards Process



Rules

- Bylaws of the IEEE Standards Association: http://standards.ieee.org/sa/
- Bylaws of the IEEE Standards Association: http://standards.ieee.org/board/index.html
- IEEE 802 operating rules http://www.ieee802.org/
- IEEE 802.3 operating rules http://www.ieee802.org/3/
- Roberts rules of order

Rules (Condensed)

- Follow the “Ground Rules”
- A Study Group exists to create a PAR, 5 Criteria and objectives ? some research on topic.
- A Study Groups exists from Plenary to Plenary ? become a TF, get extension approval or die.
- Everything in the structure chart approve the TF ? do a good job on bullet 2.
- A Study Group does not write a spec or select a solution.

Meeting Goals

- Learn the ropes
  - The tools: website, e-mail meetings
  - The task: PAR, 5 Criteria, Objectives and the IEEE process
- Develop some consensus
  - Set some bounds on the scope
  - Set some objectives
- Lay the ground work for the next meeting

Website and E-mail

- Web address

  http://www.ieee802.org/3/poep_study/index.html

- E-mail - Send an e-mail to

  ListServ@ieee.org

  containing the body text

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

- Next meeting (Atlanta)

  http://www.ieee802.org/meeting/index.html

Liason

- ISO / IEC
- TIA

  SP-4425-AD6-D [Draft 5.0] (TIA/EIA-568-B.1-6)

  http://grouper.ieee.org/groups/802/3/

  …private/liaison_docs/index.html

  Username : *******

  Password: ********

Presentations

- Feldman_1_0105
- Darshan_1_0105
- Austerman_1_0105
- Patoka_1_0105
- Darshan_2_0105
- McCormack_1_0105

CD and USB drive are circulating

PAR

- Sent to NesCom to authorize the development of a standard.
- Largely legalistic document.
- Example – 10GBase-T:

http://grouper.ieee.org/groups/802/3/…
10GBT/public/nov03/par_2_1103.pdf

5 Criteria

- Sent to 802 to authorize the development of a standard.
- Some legal content some useful content

5 Criteria
Broad Market Potential

- Broad set(s) of applications.
- Multiple vendors, multiple users.
- Balance cost, LAN vs. attached stations.

5 Criteria
Compatibility with IEEE Standard 802.3

- Conformance with CSMA/ CD MAC, PLS.
- Conformance with 802.2.
- Conformance with 802 Functional Requirements.

5 Criteria
Distinct Identity

- Substantially different from other 802.3 specifications/ solutions.
- Unique solution for problem (not two alternatives/ problem).
- Easy for document reader to select relevant spec.

5 Criteria
Technical Feasibility

- Demonstrated feasibility; reports - - working models.
- Proven technology, reasonable testing.
- Confidence in reliability.

5 Criteria
Economic Feasibility

- Cost factors known, reliable data.
- Reasonable cost for performance expected.
- Total Installation costs considered.

Objectives

- Sent to 802.3 WG to authorize the development of a standard.
- Bounds the scope of the work to be done.
- Very much pure content with a little legal wording.