P802.3at Task Force

DTE Power via the MDI Enhancements

Agenda and General Information

Mike McCormack, P802.3at Chair
Texas Instruments

Agenda

- Wireless SSID should be "IEEE1"

- Appoint Recording Secretary

- Discussion of the order of the meeting

- Introductions

- Background stuff

- Presentations

- Review of Objective, timeline

- Approve Minutes / other motions

Meeting Order

- Tuesday:
  8:30 – 17:00 P802.3at meeting

- Wednesday:
  8:30 – 12:00 P802.3au meeting
  13:00 – 17:00 P802.3at meeting

- Thursday:
  8:30 – 17:00 P802.3at meeting

Move to accept the schedule   Y: N:

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
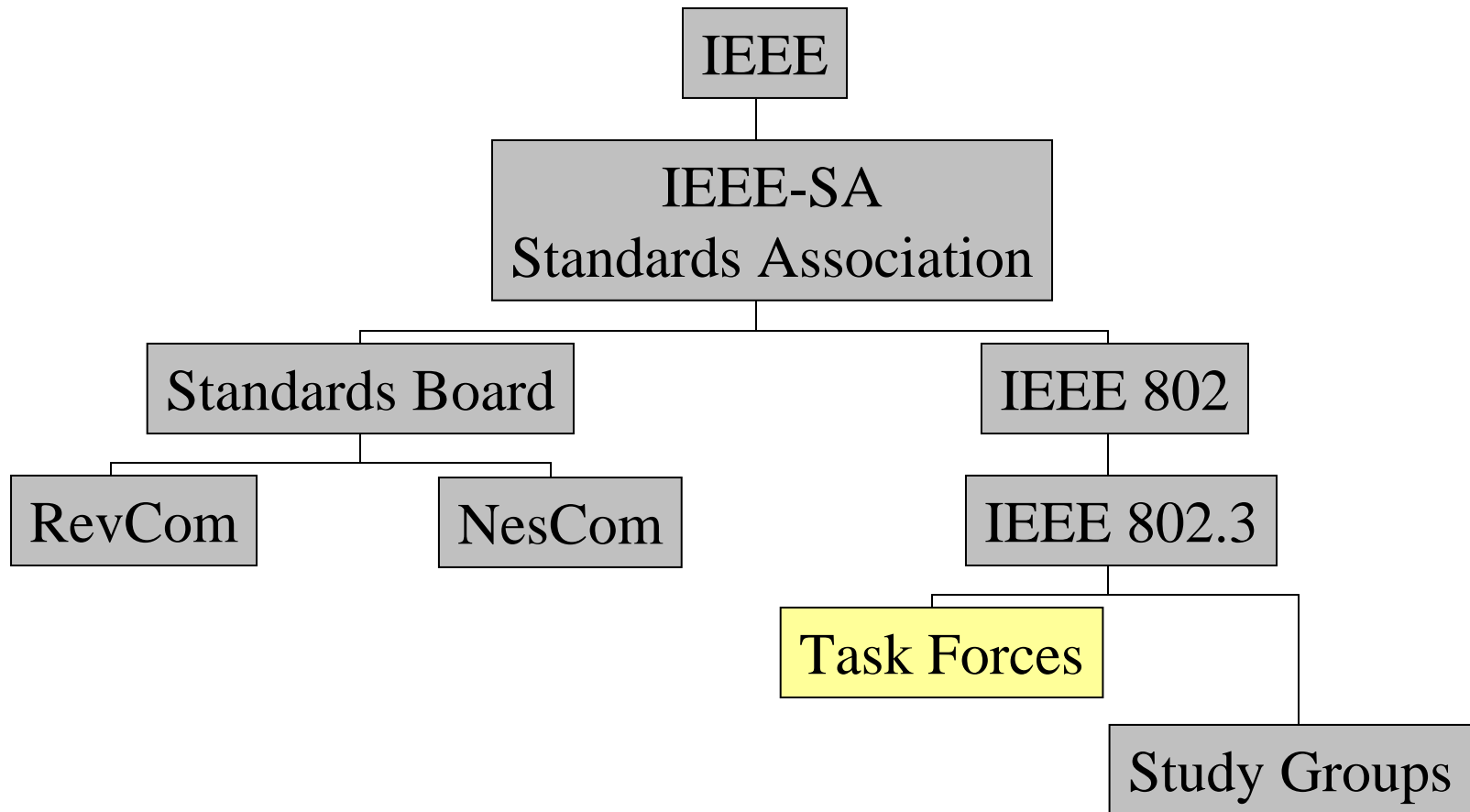- 802.3 rules apply

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)

- Behave

IEEE Structure

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                    ┌──────────┐
                    │   IEEE   │
                    └────┬─────┘
                         │
            ┌────────────────────────────┐
            │        IEEE-SA             │
            │   Standards Association    │
            └────────────┬───────────────┘
          ┌──────────────┴──────────────────────┐
   ┌─────────────────┐                    ┌─────────────┐
   │ Standards Board │                    │  IEEE 802   │
   └────────┬────────┘                    └──────┬──────┘
      ┌─────┴──────┐                        ┌─────────────┐
 ┌─────────┐  ┌─────────┐                   │  IEEE 802.3 │
 │ RevCom  │  │ NesCom  │                   └──────┬──────┘
 └─────────┘  └─────────┘              ┌───────────┴──────────┐
                              ┌──────────────┐                │
                              │ Task Forces  │                │
                              └──────────────┘         ┌──────────────┐
                                                       │ Study Groups │
                                                       └──────────────┘
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Instructions for the WG Chair

- **At Each Meeting, the Working Group Chair shall:**
- **Show slides #1 and #2 of this presentation**
- **Advise the WG membership that:**
  - The IEEE's patent policy is consistent with the ANSI patent policy and is described in Clause 6 of the *IEEE-SA Standards Board Bylaws*;
  - Early disclosure of patents which may be essential for the use of standards under development is encouraged;
  - Disclosures made of such patents may not be exhaustive of all patents that may be essential for the use of standards under development, and that neither the IEEE, the WG, nor the WG Chairman ensure the accuracy or completeness of any disclosure or whether any disclosure is of a patent that, in fact, may be essential for the use of standards under development.
- **Instruct the WG Secretary to record in the minutes of the relevant WG meeting:**
  - That the foregoing advice was provided and the two slides were shown;
  - That an opportunity was provided for WG members to identify or disclose patents that the WG member believes may be essential for the use of that standard;
  - Any responses that were given, specifically the patents and patent applications that were identified (if any) and by whom.

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.

Inappropriate Topics for IEEE WG Meetings

- Don't discuss the validity/essentiality of patents/patent claims

- Don't discuss the cost of specific patent use

- 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

Electronic Information

- ## Web address
  http://www.ieee802.org/3/at/index.html

- ## E-mail reflector
  http://www.ieee802.org/3/at/reflector.html
  after subscribing above
  stds-802-3-poep@ieee.org

- ## Next meeting – watch:
  http://www.ieee802.org/meeting/index.html

802.3au Information

- Meeting 8:30 to 12:00 Wednesday

- http://www.ieee802.org/3/au/index.html

- Username: 802.3

- Password: XXXXXX

Presentations

- Schindler – Vport static and transient response
- Hopwood 1 – Voltage Limits

- Picard – High Power-over-Ethernet over Two Pairs
- Darshan – Power Feeding Method
- Law – "2 v 4" *inserted within his schedule*
- Hopwood 2 – 2 Pair v 4 Pair Cost Comparison
- Sajol – 2 v 4 Pairs Silicon Implementation
- Nordin 2 – 2 Pair or 4 Pair Power Transmission?

- Nordin 1 – DC Modeling for Cabling Balance
- Stanford – "Cable stuff"

- Patoka – Extended Classification Using Ping-Pong Scheme – *Updated*
- Barrass – "Classification" *inserted within his schedule*