

P802.3at Task Force

DTE Power via the MDI Enhancements

Agenda and General Information

May 22-24, 2006

IEEE 802.3 P802.3at
Austin Interim

Agenda

- Acknowledge Recording Secretary
- Discussion of the order of the meeting
- Introductions
- Background stuff
- Presentations
- Review of Objective, timeline
- Approve Minutes / other motions

Meeting Order

- Monday & Tuesday:
9:00 – 17:00 P802.3at meeting
- Wednesday:
9:00 – 12:00 802.3at 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

- Visit:
 - <http://www.ieee.org/>
 - <http://www.ieee802.org/>
 - <http://www.ieee802.org/3/>
- Roberts rules of order

Rules (Condensed)

- Behave

Patent Policy

- Recording Secretary please note

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. The patent holder or applicant should provide this assurance as soon as reasonably feasible in the standards development process. This assurance shall be provided no later than the approval of the standard (or reaffirmation when a patent or patent application becomes known after initial approval of the standard). This assurance shall be 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 is irrevocable once submitted and accepted and shall apply, at a minimum, from the date of the standard's approval to the date of the standard's withdrawal.

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

- Pretty much done

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Presentations

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Presentations

- Hugh Barrass
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 - Yair Darshan
 - Yair Darshan
 - Yair Darshan
 - Fred Schindler
 - Steve Robbins
 - Bill Delveaux
 - Steve Robbins
- Stateless vs stateful management
Stateful power management proposal
Some thoughts on managed power objects
Possible PD market & system configurations
Flexible PD implementation driven architecture
Suggested PD specification
Vport static and transient response
Classification ad-hoc summary
Cable current measurement
4-pair alternatives

Subject order

- Mon am: Classification ad-hoc
- Mon am: Technical details (voltage and current)
- Mon pm: 2-pair & 4-pair topics
- ... and following Layer 2 management; PD proposals

Baseline topics for agreement

- Identify Clause 33 edits
- Current capability, cable heating & specifications
- Port voltages
- PSE / PD system configuration: 2p; 4p; y-cable
- Location of current sharing in 4 pair
- Intra-pair balance
- Single vs dual signature
- Classification method / number of classes / class allocation
- Icut & Ilim (probably too detailed for baseline)
- L-2 management requirements & architecture
- L-2 / L-1 interaction
- Midspan 1G
- Maintenance requests...