

8:32 a.m

WELCOME AND INTRODUCTION BY STEVE CARLSON.

Goes over agenda & boilerplate items:

Geoff Thompson on patent matters

Select new chair for management.

Reports from discovery, power

Review July plan

Approve Hilton Head minutes.

Announces website.

Covers working group voting membership.

Reminds about signing attendance book.

Future meetings: July plenary in Portland, OR.

Interim in September in Copenhagen, Denmark.

Objectives for this meeting: Consensus on discovery text, Alternatives for disconnection detect, etc.

Goes over presentation guidelines: Presubmit; have to have attended at least one meeting, simple graphics, etc.

GEOFF THOMPSON ON PATENT ISSUE.

Goes over history. States 802.3 policy: no legal discussion in committee. Entertains questions.

Announces free availability of 802.3 documents for download six months after release.

Steve Carlson responds to question about impact of lawsuit on task force schedule.

DON STEWART REPORTS ON DISCOVERY AD HOC

Classification topics and discovery operational scenarios summarized. Reviews history of discussion since March meeting. Presents results of straw polls.

Strong support for

1. doing classification in current dimension;
2. for encouraging proposals for modulating classification current provided cause no delay;
3. that basic detection be attempted before optional classification.

Classification scenarios:

1. No special restrictions on source impedance.
2. Take no special steps to avoid false discovery of pse by another pse.

3. Connection of pse-pse-pd scenario still an issue. Commitment for further study of 2-3 weeks duration.
4. Pse-pd-nonEthernet (e.g., laptop, termination) connection. Consensus hard to protect misconnected device.
5. Use of one classification as a double-check for base detection. Interesting but not worth delay or rewriting of basic detection standard.
6. Significant straw poll support for basic detection and optional classification.

Additional Work Items for May 24-25

1. Discuss and agree on classification bands.
2. Discuss and agree on timing limits
3. Refine thinking around "attempted" in: "The standard should require that base detection shall attempted before optional classification."
4. Walk through detection source material.

KARL NAKAMURA REPORTS ON POWER AD HOC

Summary of issues covered:

1. Maximum power allowed to be used by pd. Support for 12.95w and disallowing greater than 12.95w.
2. Support for allowing PSE to disconnect PD above 15.4w.
3. Established a framework for specifying power in terms of average, RMS, and max. Shows a table of suggested limits for the above-mentioned limits.
4. Finally settled on 400mA peak for 50mS max over a period of 1000mS, 350mA average and RMS.
5. On startup current limiting, settled on provision that current limiting shall be done in PD if capacitance above 50uF and in PSE if capacitance below 50uF. Dwelley to generate spec on voltage, current, and time.
6. Isolation and grounding. Agreement that must comply with either A or B environment.
7. Minimum current spec. If the PSE voltage suddenly slews from 57 to 44v, the PD may draw less than 10ma, the threshold for shutdown. Solution supported is to limit the slew rate of the PSE. Dave Dwelley to work up numbers on slew rate.

8. Left over items:

A. Noise.

B Power level transition times.

C Patch panels, 25-pair cables, RJ-21 and connectors, and currents higher than 350mA.

D 2 PSEs and 1 PD.

PRESENTATIONS BY RICK BROOKS

1. Power Supply Noise or "Terms of Impairment"
 2. More Alternatives for Disconnection Detection
- Break for lunch.

AFTERNOON SESSION

Task force reconvenes.

Motion: that all material accepted by votes of 75% or greater by the Power ad-hoc committee as presented on 5/24/01 be accepted by 802.3af.

Moved by: Karl Nakamura

Second: Mike McCormack

Technical 75%.

All Y: 25 N: 2 A: 2Dot3 Y: 16 N: 2 A: 3

Motion passes.

Motion: that all material accepted by votes of 75% or greater by the Detection ad-hoc committee as presented on 5/24/01 be accepted by 802.3af

Moved by: Don Stewart

Second: Mike McCormack

Technical 75%

All Y: 27 N: 0 A: 3Dot3 Y: 20 N: A: 3

Motion passes.

Review of DTE power objectives shows that we have covered all 10 objectives.

Need to have TF draft out for review and then vote in July. Then could have working group presentation in November. Ad hoc needs to forward material to editor.

Motion: that the editor include in principle the limits of CISPR22 and test procedures covering conducted and radiated emissions, include the slew rate limits proposed by Rick Brooks on 5/24/01 and include the low frequency limits proposed by Yair Darshan at Hilton Head in the draft replacing the common mode limits proposed by Terry Cobb.

Moved: Karl Nakamura

Second: Rick Brooks

Technical 75%

All Y: N: A:Dot3 Y: N: A:

Motion withdrawn by Karl Nakamura.

Task force is adjourned. Ad hoc given floor.

802.3af task force meeting convened around 8:30 a.m. Steve Carlson presiding. Floor turned over to Don Stewart for a couple hours of ad hoc work.

Don Stewart presides over discussion of about 5 work items.

Motion to forward source material to editor for incorporation

Task force resumes control of floor.

Motion: that all material accepted by 75% or greater in detection ad hoc as presented on 5/24/01 be accepted by 802.3af.

Moved by: Roger Karam

Seconded: Hank Hinrichs

Technical 75%

All: Y: 27 N:0 A:3

Dot3: Y:20 N:0 A:3

Motion: that the timing for multi-port startup is beyond the scope of 802.3af and will not be specified.

Moved by: Hank Hinrichs

Seconded: Mike McCormack

Technical 75%

All: Y: 23 N:0 A:0

Dot3: Y: 18 N:0 A:0

Motion: that 802.3af approve the minutes for the plenary in Hilton Head.

Moved by: Hank Hinrichs

Seconded: Jackson

Procedural 50%

Dot3: Y: 17 N:0 A:0

Motion: that the 802.3af task force authorize the editor to produce draft D2.1 with the goal of task force ballot in July.

Moved by: Peter Schwartz

Seconded: Hank Hinrichs

Technical 75%

Dot3: Y: 17 N:0 A:0

Discussion about mechanism for circulating the draft of the task force so as to allow adequate

review leading up to ballot in July. This led to a motion to negate the motion just passed.

Motion: to withdraw preceding motion "that the 802.3af task force authorize the editor to produce draft D2.1 with the goal of task force ballot in July"

Moved by: Hank Hinrichs

Seconded: Peter Schwartz

Technical 75%

Dot3: Y: 17 N:0 A:0

Schedule laid out for review is draft available June 15 and comments due by July 2. No promise to handle late comments.

Future meetings. At July conference Monday meeting: required to be present at Monday afternoon plenary. Likewise at Friday plenary.

Tuesday and Wednesday working days. Thursday afternoon is dot3 close, allowing 2-1/2 days for task force work.

Conference rooms have been booked for ad hocs.

September interim in Copenhagen. Intel hosting.

Very expensive. Most not sure they will be going.

Motion: that this meeting of 802.3af task force be adjourned.

Passed by voice vote.