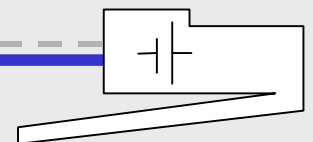


Welcome
to the
July 2001
Plenary Meeting
of the
802.3af DTE Power
via
MDI Task Force
Portland, OR

Steve Carlson, TF Chair

July 9 - 12, 2001

DTE Power via MDI TF

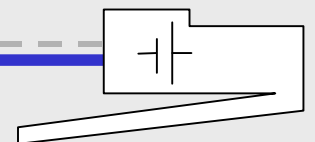


Agenda

- Welcome and Introductions
- Select Recording Secretary
- Review / Approve Agenda
- Document Distribution
- E-mail Reflector, Web Site, and Miscellaneous Information
- Objectives for This Week –
 - Editor's timeline to completion
 - Homework reports on open items from May
 - Create "BIG TICKET," "SMALL TICKET" list
 - Review of draft status
 - Prepare for TF Ballot, WG Ballot
 - Call for Patents – US 6,218,930

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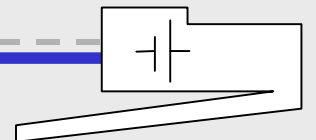


Agenda

- Presentations related to Objectives
- Motions related to Objectives
- New Business
- Plans for September Interim Meeting
 - Do we go to Copenhagen?
 - Alternative location, dates
- Approve Minutes of May Meeting
- Review New Action Items
- Adjourn

July 9 - 12, 2001

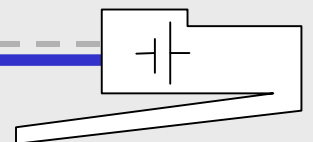
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Task Force Status

- PAR approved by NesCom (1/30/2000)

P802.3af (C/LM) Standard for Information Technology - Telecommunications and Information Exchange Between Systems - Local & Metropolitan Area Networks - Specific Requirements - Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications - Data Terminal Equipment (DTE) Power via Media Dependent Interface (MDI)



E-mail Reflector

The IEEE has set up a reflector for this study group:

stds-802-3-pwrviamdi@mail.ieee.org

The reflector can be used for announcements, comments, discussions, or dissemination of information related to the work of this study group

The reflector should not be used for recruiting, advertising, soliciting, flaming, whining, subscribing, or unsubscribing

To be added to the reflector, send an E-mail containing the following line:

subscribe stds-802-3-pwrviamdi <your email address>
to

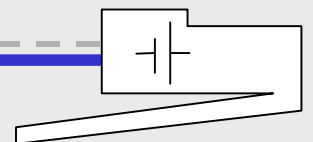
majordomo@ mail.ieee.org

To send a message to the DTE Power reflector use the email address:

stds-802-3-pwrviamdi @ieee.org

Subscriptions are on an individual basis only

No proxy requests or reflectors will be subscribed



IEEE Web Site

**Typical Plenary Meeting Plan (DTE Power via MDI
will meet during "Task Force" slots):**

<http://grouper.ieee.org/groups/802/3/plenary.html>

802.3af 5 Criteria:

http://grouper.ieee.org/groups/802/3/power_study/public/nov99/802.3af_5criteria.pdf

802.3af PAR:

http://grouper.ieee.org/groups/802/3/power_study/public/nov99/802.3af_PAR.pdf

802.3 Voting Rules

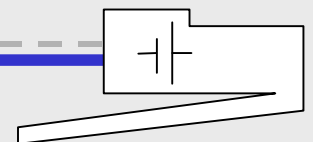
<http://grouper.ieee.org/groups/802/3/rules/member.html>

802.3 Patent Policy

<http://grouper.ieee.org/groups/802/3/patent.html>

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IEEE 802.3 Requirements for Working Group Voting Membership

If you wish to vote on 802.3 standards at the Working Group Ballot stage you need to become a Voting Member of Working Group 802.3.

Membership is by **individual**, not company.

To become a voter:

Attend and sign the attendance book at least **75% of the sessions of two Working Group 802.3 Plenary meetings (within the last four)**.

Full attendance at a **two day or more duly constituted Working Group 802.3 Interim Meeting can be substituted for attendance at one plenary**.

Have complete and current contact information recorded in the Working Group 802.3 database.

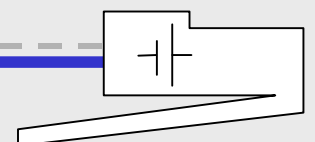
Request to become a voter during a Working Group 802.3 Opening or Closing plenary meeting when additions to the voter list are solicited by the Chair from the "Potential Voter" list.

To remain a voter you must:

Maintain current contact information in the Working Group 802.3 database.

Have 75% attendance during at least two of the last four plenaries (Attendance at an interim can substitute for attendance at no more than 1 plenary).

Participate in Working Group ballots. You can be dropped for not returning or abstaining in two of the last three ballots.



The Attendance Books

SIGN "THE BOOK" EVERY DAY

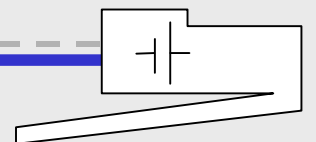
KEEP IT MOVING

IF YOU ARE NEW, SIGN THE NEW-BEES BOOK

Put business card in back or fill out address...

**Sign this book every day; no forward signing;
do NOT sign for someone else!**

**DO NOT REMOVE THE BOOK FROM THE ROOM;
DO NOT COPY THE BOOK**

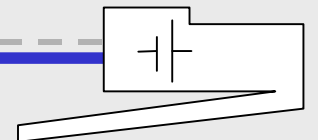


Future Meetings

Interim Meeting – September 17 –21, 2001,
Copenhagen, Denmark*

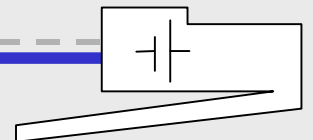
Plenary Meeting – November 12-15, Hyatt Regency, Austin, TX

Other plenary meetings can be found in:
<http://grouper.ieee.org/groups/802/meeting/future.pdf>



Presentation Guidelines

- Requests for presentation time should be scheduled with the chair one week prior to the meeting
- Presentations should be supplied via e-mail as a PDF file one week before the meeting
- Avoid fussy backgrounds or other decorative graphics
- No animations, video clips, etc.
- Goal: to keep the PDF small enough to fit on a single floppy disk
- You must attend one meeting prior to presenting



DTE Power Objectives

November 10, 1999 as approved by DTE Power via MDI SG.

(1) Economically provide power over a twisted- pair link segment to a single Ethernet device. To be included:

10BASE- T,
100BASE- TX.

To be considered:

1000BASE- T.

(2) Select one power distribution technique for world- wide use

(3) Not cause damage and interoperate with compliant RJ- 45 MDI Ethernet devices including:

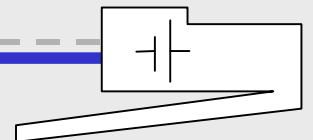
a. Switch- to- switch connections (both supplying power)

b. Cross- over cables

c. Common mode termination implementations

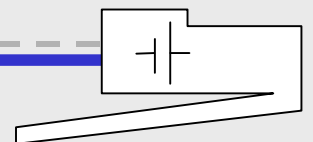
d. Shorted conductors, pairs or loop- back plug

(4) Define a capability detection function that works with a powered and an unpowered device



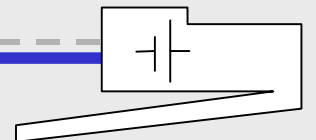
DTE Power Objectives

- (5) Select the voltage, minimum and maximum current and wattage to be supplied
- (6) Add appropriate management objects for power capability and status
- (7) Support current standard, 4- pair, horizontal cabling infrastructure for installed Cat 3 and Cat 5 cabling
- (8) Preserve the signal transmission and isolation characteristics of existing equipment and cabling
- (9) Maintain normal functionality of Link Integrity Test function in legacy and new devices
- (10) Consider mid- span power insertion, powering over the signal pairs, and interaction with other RJ- 45 interfaces: Token Ring, ATM, FDDI TP- PMD, 1000BASE- T, ISDN, networking test equipment, PBX, IEEE 1394, devices listed in ISO/ IEC 11801 : 1995 Annex G



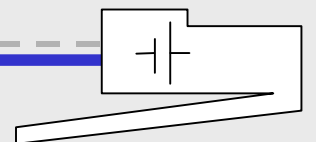
Objectives for this Meeting

- New project timeline
- Closure on open issues from May
- "BIG TICKET," "SMALL TICKET" List
- Review status of draft
- Charter Editor for D2.0
- Plan for TF Ballot
- Decide on location for September Interim



Agenda for Wednesday

- Chris DiMinico – TIA Liaison/Questions
- September Interim Discussion
- Presentations
 - Environment C- Nortel
 - IETF 802.3af MIB
- Review “TICKET” List
 - Work assignments and timeline
- Ad Hoc time if needed

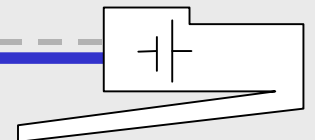


Agenda for Thursday

- Discuss September Interim
 - Vote
 - Request September Interim from .3
- Discuss “Environment C”
 - Vote
- Review Project and Draft Timeline
 - New Ballot Tool
 - Charter Editor to produce Draft 2.0
- Action Items/Homework
 - Yair Darshan
 - Steve Carlson: Comment Letter to EPA
 - Response on PD input reactance to IEC

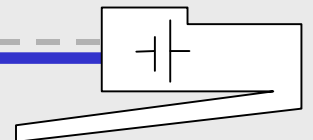
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Agenda for Thursday

- Action Items
 - MIB: Translate into hardware requirements
 - David Law, Avi Berger
- Approve Minutes from May Meeting
- 802.3 WG Meeting Plan
 - TF support for questions
- Other business
- Adjourn



Presentations

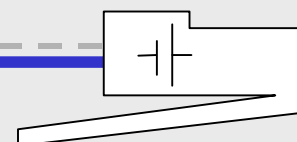
"Derivation of Start-up Mode Parameters," Yair Darshan, PowerDsine

" Port-to-Port Cross Regulation," Yair Darshan, PowerDsine

"Noise Specification Proposal," Roger Karam, Cisco

"Proposed Isolation Environment C Addition to IEEE 802.3,"
Jennifer Rasimas, Steve Jackson, Nortel Networks

"IETF Power Ethernet MIB," Dan Romascanu, Avaya; Avi Berger,
PowerDsine



Other Business

- New Business
- Other Homework (off-line)
- Plans for September Interim
- Approve Minutes of May Meeting
- Review New Action Items and Homework
- Adjourn

July 9 - 12, 2001

DTE Power via MDI TF

