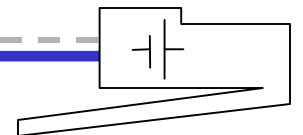


Welcome
to the
November 1999
Meeting
of the
802.3 DTE Power
via
MDI Study Group
Kauai, Hawaii
Steve Carlson, Chair

November 9 & 10,
1999

DTE Power via MDI Study
Group

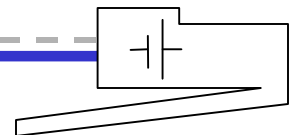


Agenda

- Welcome and Introductions
- Select Recording Secretary
- Review / Approve Agenda
- Document Distribution
- E-mail Reflector, Web Site, and Miscellaneous Information
- Objectives for This Week
 - Revise Objectives from York Interim
 - Define Problem Space/Constraints
 - Compare Ideas Vs Objectives
- Call for Patents

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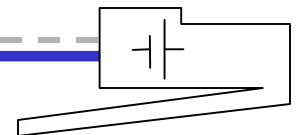


Agenda

- Presentations related to Objectives (Define Problem Space/Constraints)
- Motions related to Objectives
- Other Presentations
- Strawman Long Term Timeline
- New Business
- Plans for January Meeting
- Approve Minutes of York Meeting
- Review New Action Items
- Adjourn

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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

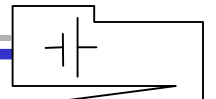
majordomo@mail.ieee.org

To send a message to the HSSG 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/sept99/802.3af_5criteria.pdf

802.3af PAR:

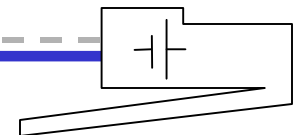
http://grouper.ieee.org/groups/802/3/power_study/public/sept99/802.3af_PAR.pdf

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>



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.

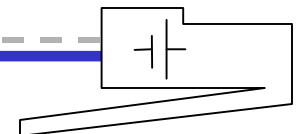
Request to become a voter during a Working Group 802.3 Opening or Closing plenary meeting when additions to the voter list are solicited by the Chair from the "Potential Voter" list.

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

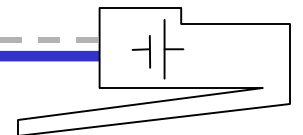
Put business card in back or fill out address...

Sign this book every day; no forward signing

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

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Future Meetings

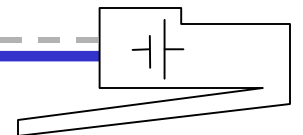
Interim Meeting - January 18 - 21, Doubletree Hotel, Dallas, Texas
Plenary Meeting - March 6-10 - Hyatt Regency, Albuquerque, NM

Other plenary meetings can be found in:

<http://grouper.ieee.org/groups/802/meeting/future.pdf>

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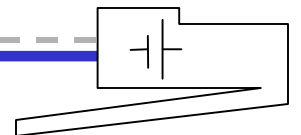


Objectives for this Meeting

- Priority One
 - Finalize the Objectives of DTE Power via MDI
 - Finalize the PAR and 5 Criteria
 - Submit to SEC (Sponsor Executive Committee)
- Priority Two
 - Define the constraints
 - Map possible solutions against the constraints

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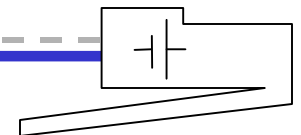


DTE Power Objectives

- (1) Economically provide power to 10BASE- T and 100BASE- TX devices, and consider powering 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
- (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) 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

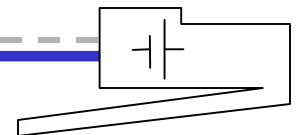
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Presentation Guidelines

- 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
- 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

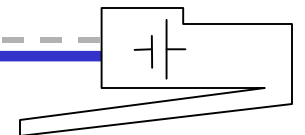


Short-Term Schedule

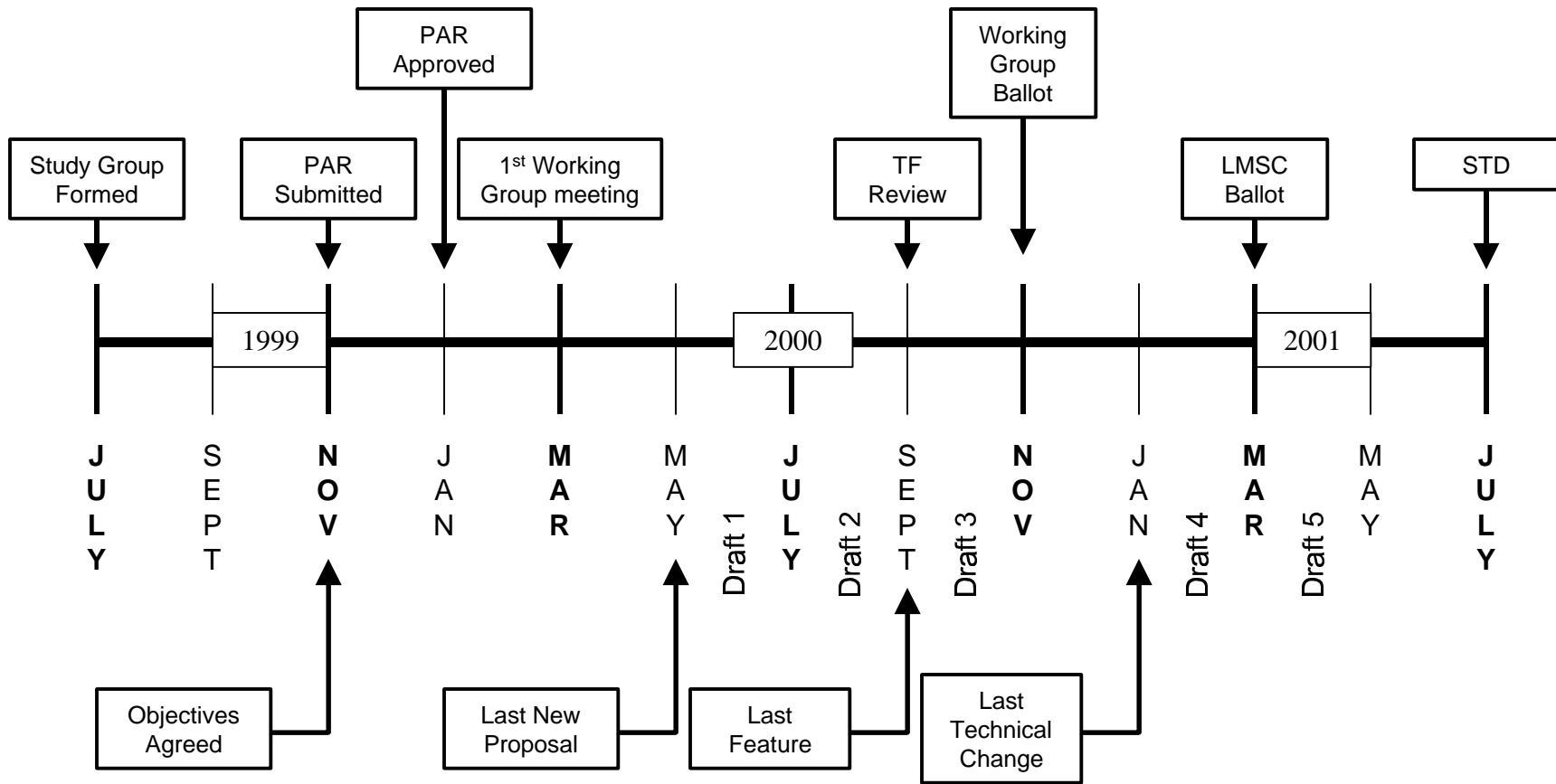
- November Plenary, Kauai
 - Execute PAR approval process
 - 802.3 approves PAR for forwarding to 802 SEC
 - SEC approve and forward to NESCOM
 - Begin real work
- January Interim, Dallas
 - NESCOM approve PAR
 - Continue with real work
- March Plenary, Albuquerque
- First official meeting of the Task Force

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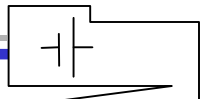


Proposed Long Term Schedule for Discussion



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Other Business

- New Business
- Plans for January Meeting
- Approve Minutes of York Meeting
- Review New Action Items
- Adjourn

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