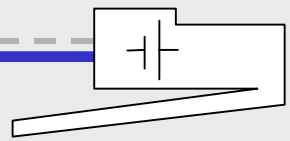
Welcome

to the
May 2002
Interim Meeting
of the

802.3af DTE Power via MDI Task Force

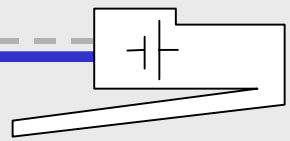
Las Vegas, NV

Steve Carlson, TF Chair



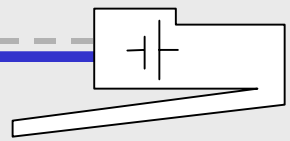
Agenda

- Welcome and Introductions
- Select Recording Secretary
- Review / Approve Agenda
- Document Distribution (electronic)
- E-mail Reflector, Web Site, and Miscellaneous Information



Objectives for this Meeting

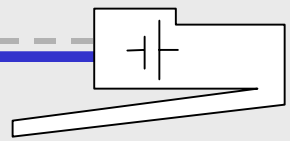
- Report of AC Disconnect Ad Hoc
  - Evaluation of technique
  - Decision on technique
  - Changes to Draft text
- Correct TECHNICAL problems
- New WG Draft D3.1 for recirculation
- New plan to move forwards
- Review balloting timeline



Future Meetings

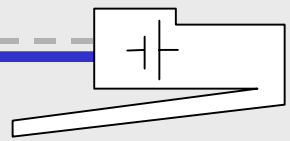
July Plenary – Hyatt Regency
Vancouver, BC
July 8 - 12, 2002
Other plenary meetings can be found in:
http://grouper.ieee.org/groups/802/meeting/future.pdf

September Interim – TBD
Probable Southeastern U.S.
Co-locate with EFM and 802.17



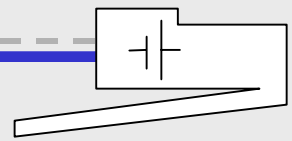
Plan to Move Forward

- Create D3.1 at Interim, May – 15 May 2002
- Charter D3.1 for 802.3 WG Recirculation
- D3.1 802.3 WG recirculation 1 June – 15 June 2002

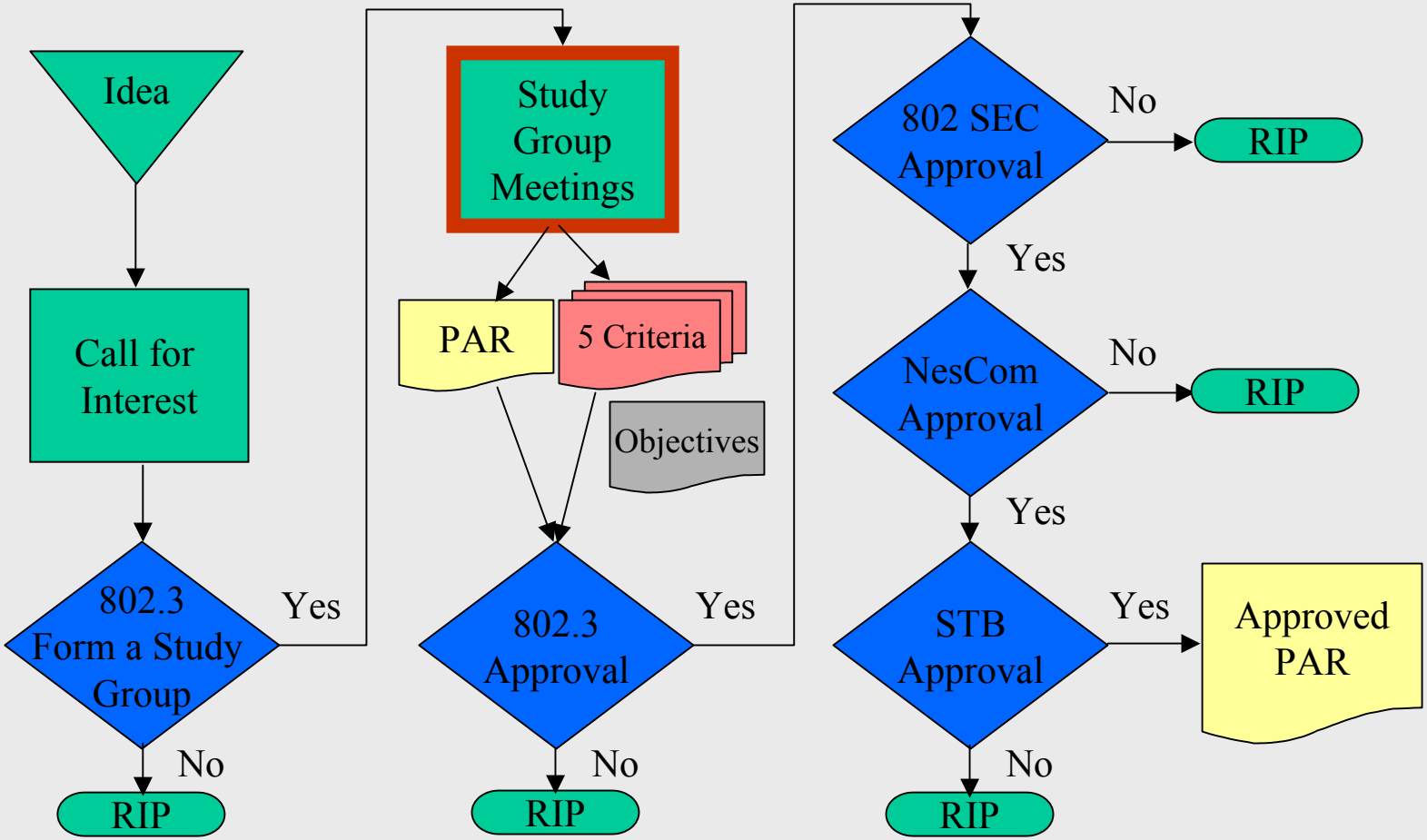


Plan to Move Forward

- Editor's Comment Resolution 16 June – July 1 2002
- Comment Database to TF 2 July 2002
- Comment Resolution to D3.1 9 July – 11 July
- Possible 2nd 802.3 WG recirculation OR request for Sponsor Ballot Pool



IEEE Standards Process



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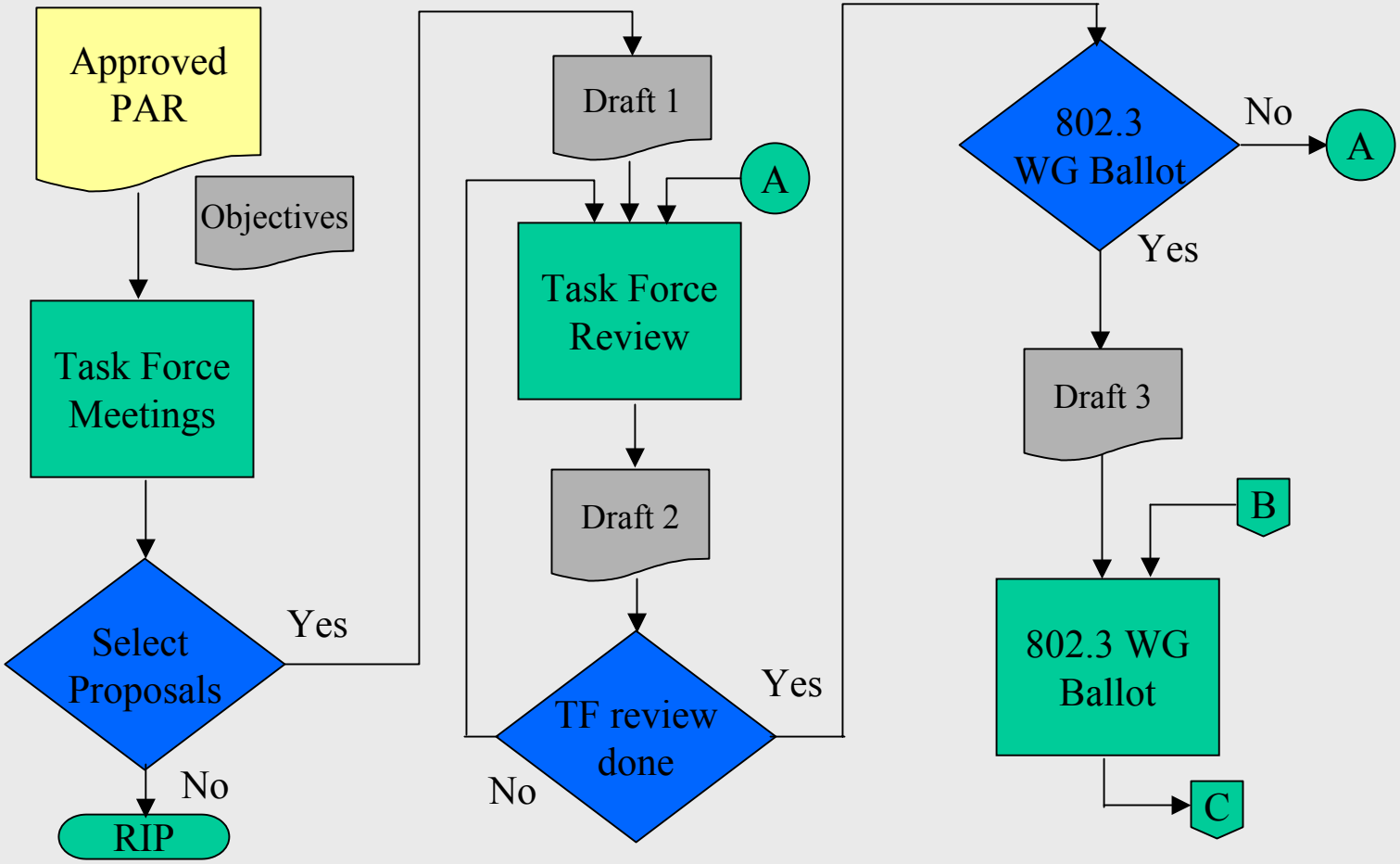

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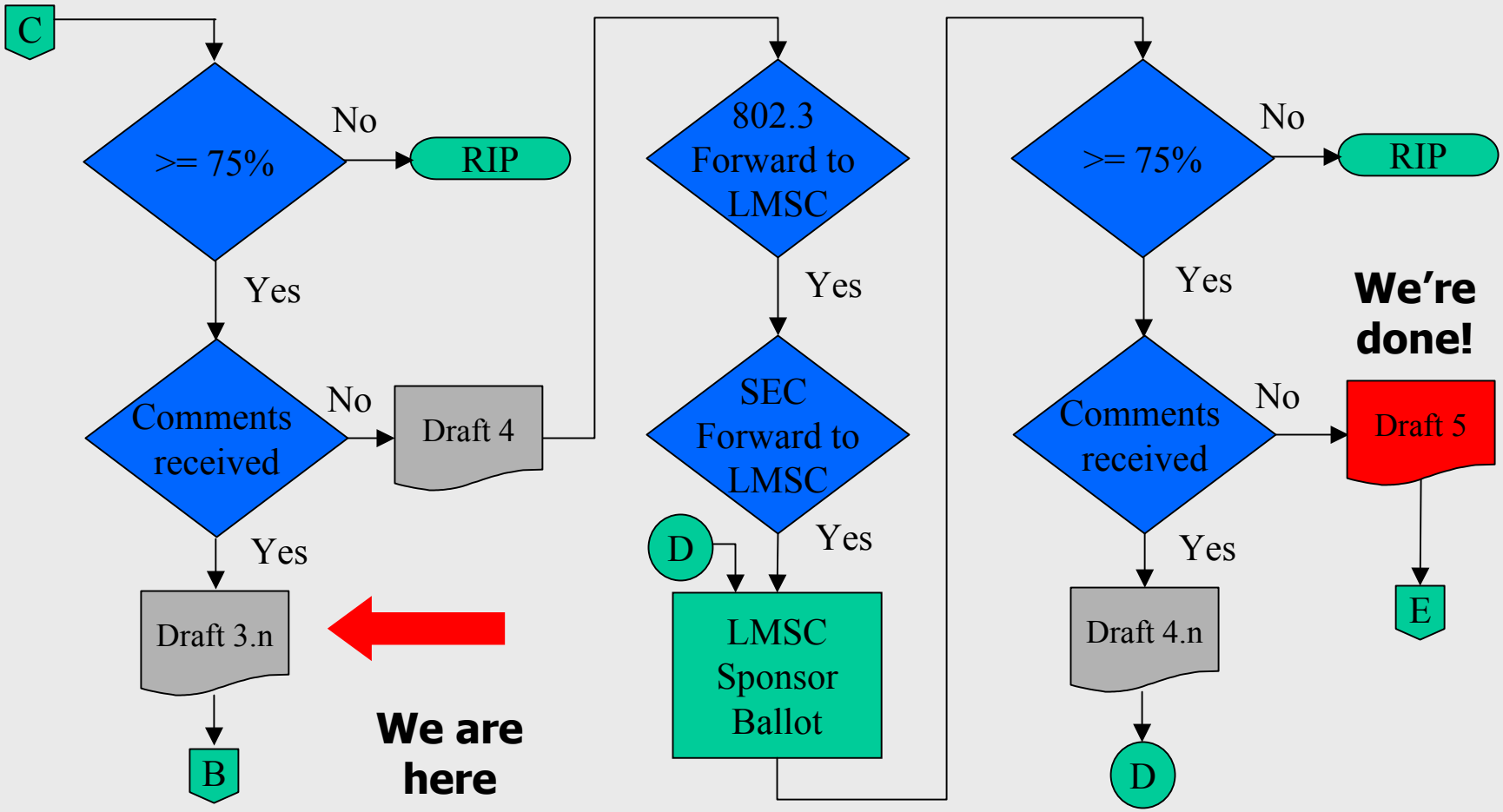

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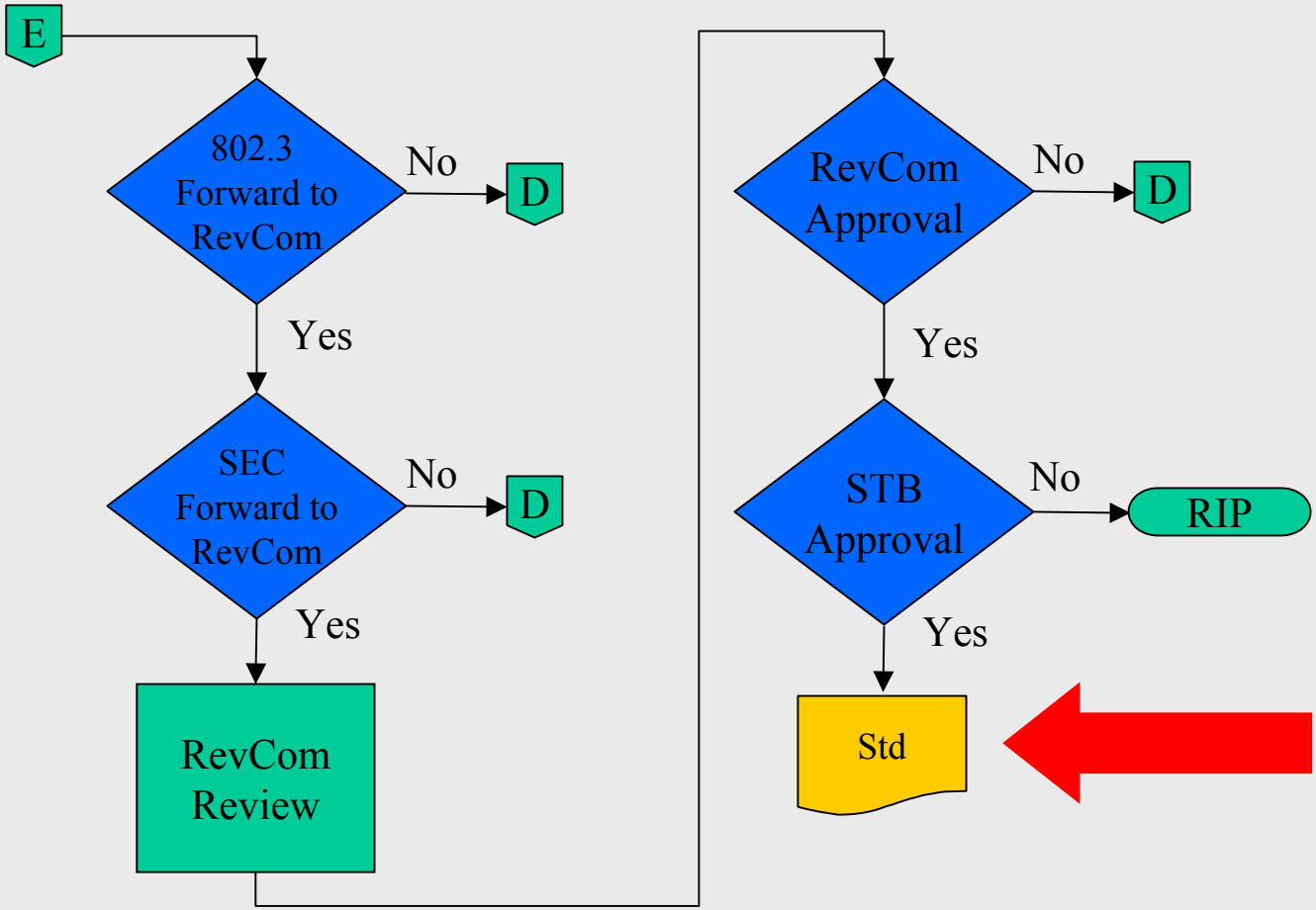
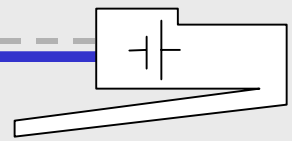


HUGE PARTY!

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

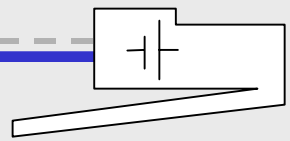
majordomo@ mail.ieee.org

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:

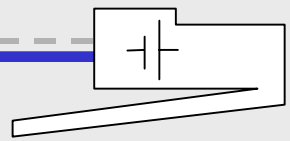
http://grouper.ieee.org/groups/802/3/power_study /public/nov99/802.3af_PAR.pdf

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



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.

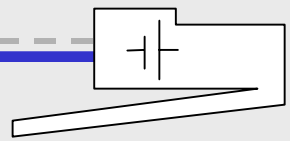
Request to become a voter during a Working Group 802.3 Opening or Closing plenary meeting when additions to the voter list are solicited by the Chair from the "Potential Voter" list

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).

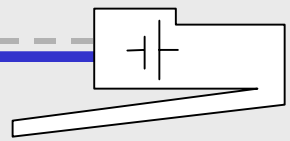
Participate in Working Group ballots. You can be dropped for not returning or abstaining in two of the last three ballots.



The Attendance Books

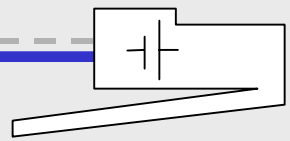
SIGN "THE BOOK" EVERY DAY
KEEP IT MOVING
IF YOU ARE NEW, SIGN THE NEW-BEES BOOK
- **Put business card in back or fill out address…**
- **Sign this book every day; no forward signing;**
- **do NOT sign for someone else!**

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



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:

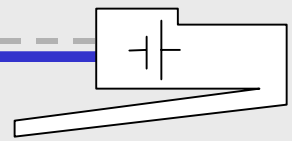
a. Switch- to- switch connections (both supplying power)

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