Welcome

to the
November 2002
Plenary Meeting
of the
802.3af DTE Power
via
MDI Task Force
Kauai, HI

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

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Objectives for this Meeting

- Comment Resolution for D3.3
  - 9 Editorial Comments
- Registration
- Report on Presentation to IEEE1394 on 10/17/02
  - Geoff Thompson
- Discuss technical issues going forwards
- Prepare for D4.0 Sponsor Ballot
- Review balloting timeline

Objectives for this Meeting

- Other business
  - Plenary Meeting Survey
  - Respond to ISO/IEC JTC 1/SC 25/WG 3 request on infrastructure requirements for wireless access nodes and devices requiring remote power
  - Approve New Orleans minutes
  - Adopt D3.3 resolutions and charter D4.0 and request to forward to Sponsor Ballot.

Objectives for this Meeting

- Tuesday
  - Editors present updated E resolutions
  - "The Case for Low Wattage PSEs", Mike McCormack, 3Com
  - "PD Isolation," Mike McCormack, 3Com
  - Discuss technical issues going forward
  - Prepare for Sponsor Ballot

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Objectives for this Meeting

- Wednesday
  - Day off!

- Thursday
  - Prepare for closing 802.3 Plenary
  - Respond to SC25 WG letter
  - Approve minutes from New Orleans
  - Motions to accept D3.3 comment resolution, charter editor to create D4.0, and to request 802.3 WG move to Sponsor Ballot

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Future Meetings

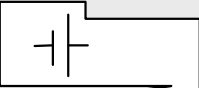January Interim – Hotel Vancouver, Vancouver, BC
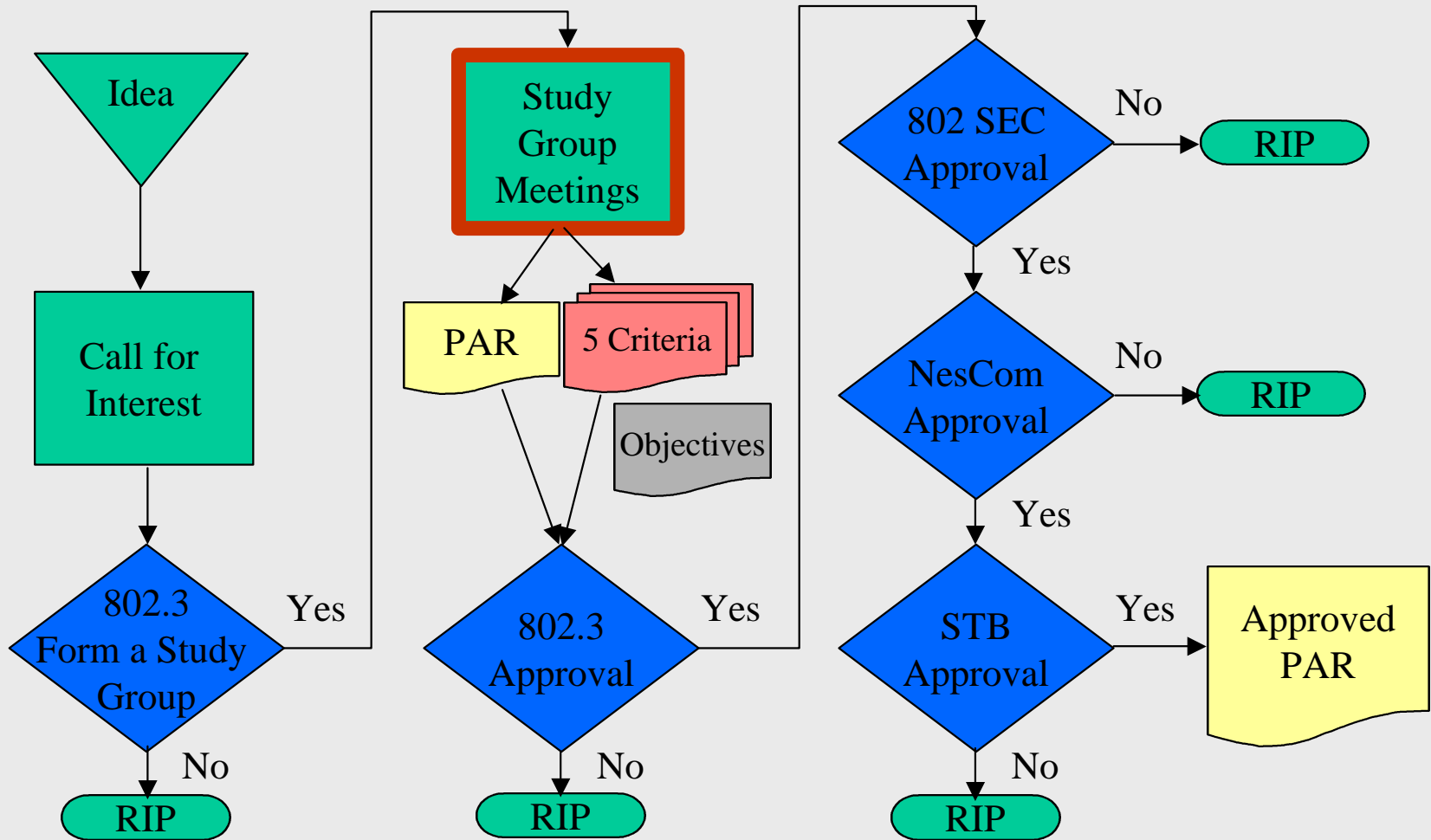January 7 - 9, 2003
Co-locate with 802.3ah, 802.1
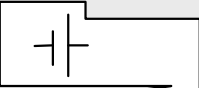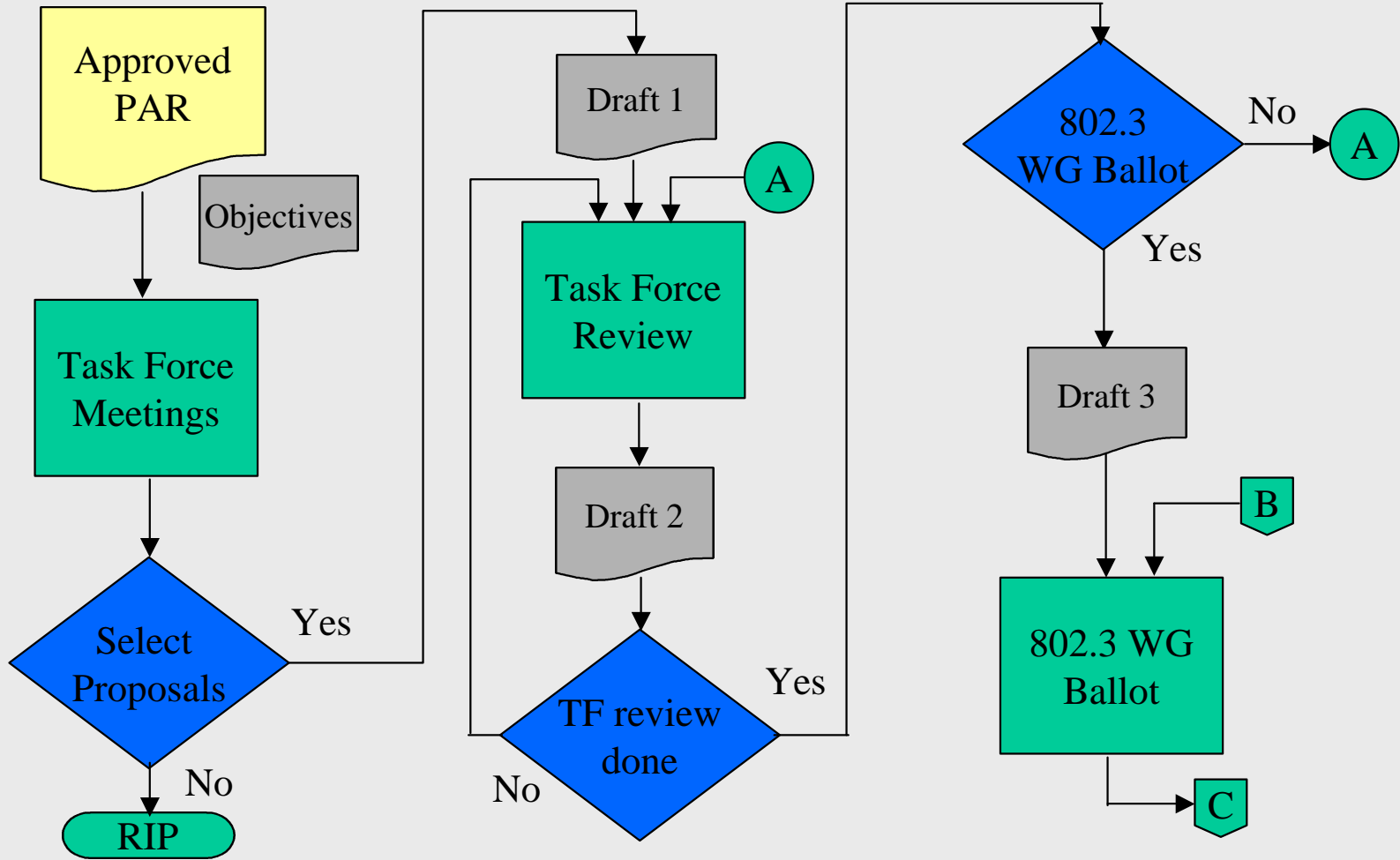
March Plenary – DFW Hyatt, Irvine, TX
March 10 – 14, 2003

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

IEEE Standards Process

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IEEE Standards Process

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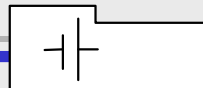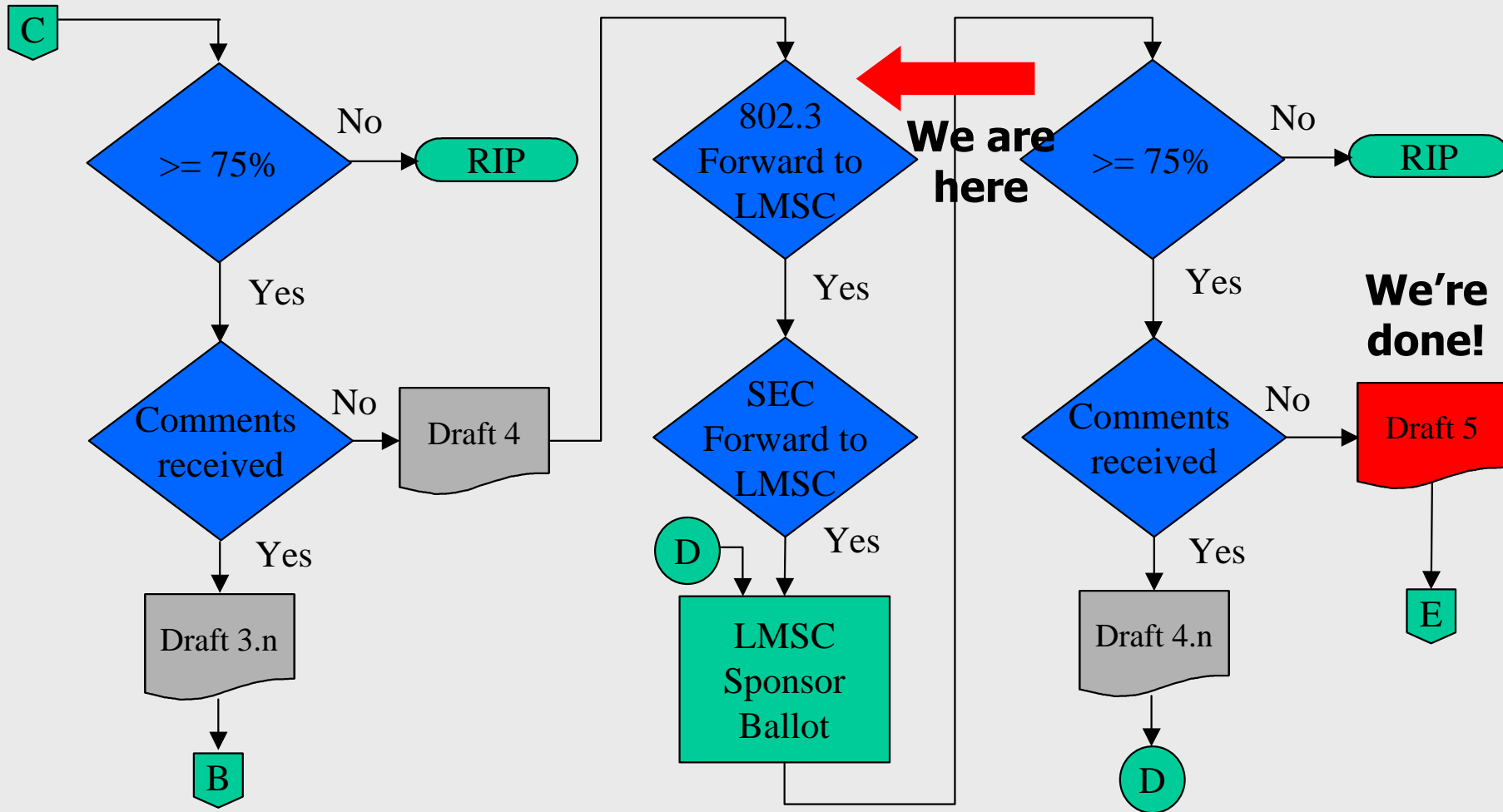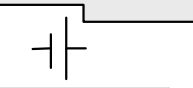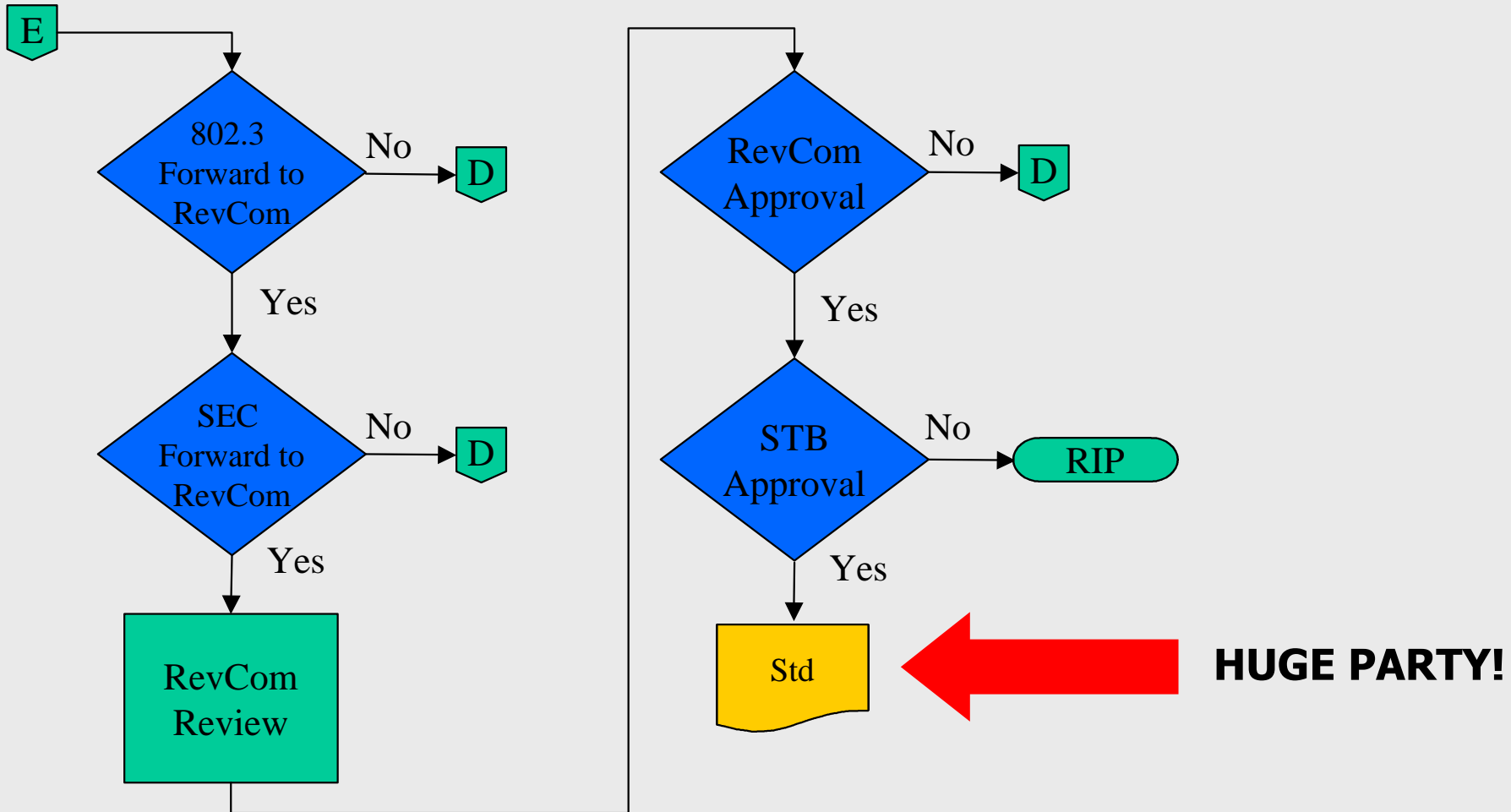
Task Force Status

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

P802.3af (C/LM) Standard for Information Technology - Telecommunication 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:
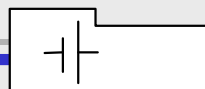http://grouper.ieee.org/groups/802/3/power_study /public/nov99/802.3af_PAR.pdf
802.3 Voting Rules
http://grouper.ieee.org/groups/802/3/rules/member.html
802.3 Patent Policy
http://grouper.ieee.org/groups/802/3/patent.html

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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" li

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.

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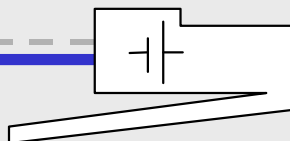
SIGN "THE BOOK" EVERY DAY
KEEP IT MOVING
IF YOU ARE NEW, SIGN THE NEW-BEES BOOK
**Put business card in back or fill out address…**
Sign this book every day; no forward signing;
do NOT sign for someone else!

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

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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 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
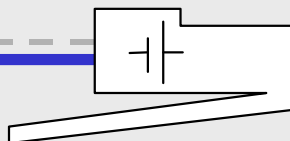
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DTE Power Objectives

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

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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

P802.3af Motion 2

Move that the resolutions to all comments from the D3.3 comment resolution database be incorporated into D4.0, and to charter the Editor to produce D4.0 .

Technical 75%

M: Hank Hinrich S:Yair Darshan

Date: 11/14/2002

Time: 9:10AM

Y:17 N:0   A: 0   802.3 voters

P802.3af Motion 3

Move that D4.0 be sent to the 802.3 WG for forwarding to Sponsor Ballot.

Technical 75%

M: Mike McCormack S: Moty Goldis

Date: 11/14/2002

Time: 9:15AM

Y:17 N:0   A: 0   802.3 voters

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P802.3af Motion 4

Move that the 802.3af TF charter the Chair to respond to the ISO/IEC JTC 1/SC 25 WG 3 liaison letter request on infrastructure requirements for wireless access points and other devices requiring remote power, using the comments from the group, as captured in "SC25_WG3.doc"

Procedural 50%

M: Roger S: Chris

Date: 11/14/2002

Time: 9:55AM

Passed by acclamation