

**Welcome**  
to the  
September 2002  
Interim Meeting  
of the  
**802.3af DTE Power**  
via  
**MDI Task Force**  
New Orleans, LA

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

- Comment Resolution for D3.2
- Registration
- Presentations
  - Chris DiMinico, “TR-42 Resistance Imbalance”
  - Steve Carlson, “UL Response”
    - 802.3af letter will be posted in the private area of our Website
- Presentation to IEEE1394 on 10/17/02
  - Geoff Thompson
- Create new D3.3 and recirculate
- Prepare for D4.0 Sponsor Ballot
- Review balloting timeline

# Objectives for this Meeting

- Other business
  - Interim Meeting Survey
  - Approve Chelmsford minutes
  - Adopt D3.2 resolutions and charter D3.3.

# Objectives for this Meeting

- Tuesday
  - Editors present updated E and T resolutions with list of “Accept” comments
  - Resolve “accepted” E comments “in the bucket”
  - Lunch break 12PM –2PM
  - Make “bucket” for accepted T comments during extended lunch break
  - Resolve accepted T comments “in the bucket”

# Objectives for this Meeting

- Wednesday
  - Resolve T and TRs
- Thursday
  - Finish up
  - Approve minutes from Chelmsford
  - Charter Editors to produce D3.3

# Future Meetings

November Plenary – Hyatt Regency  
Kauai, HI

November 11 - 15, 2002

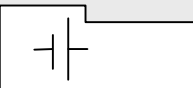
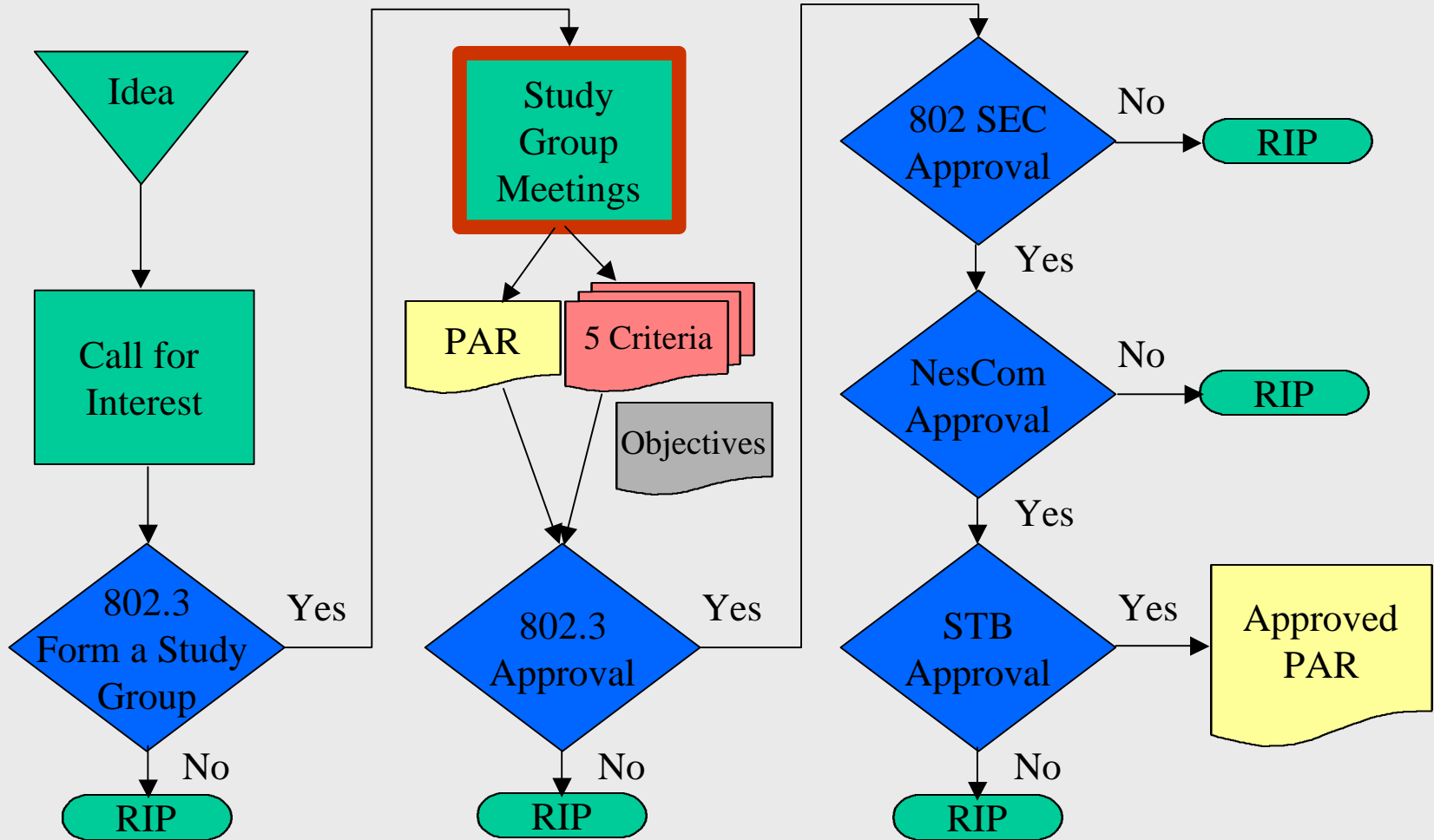
Other plenary meetings can be found in:

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

January Interim – Hotel Vancouver, Vancouver, BC  
January 7 - 9, 2002

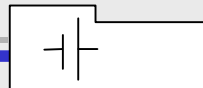
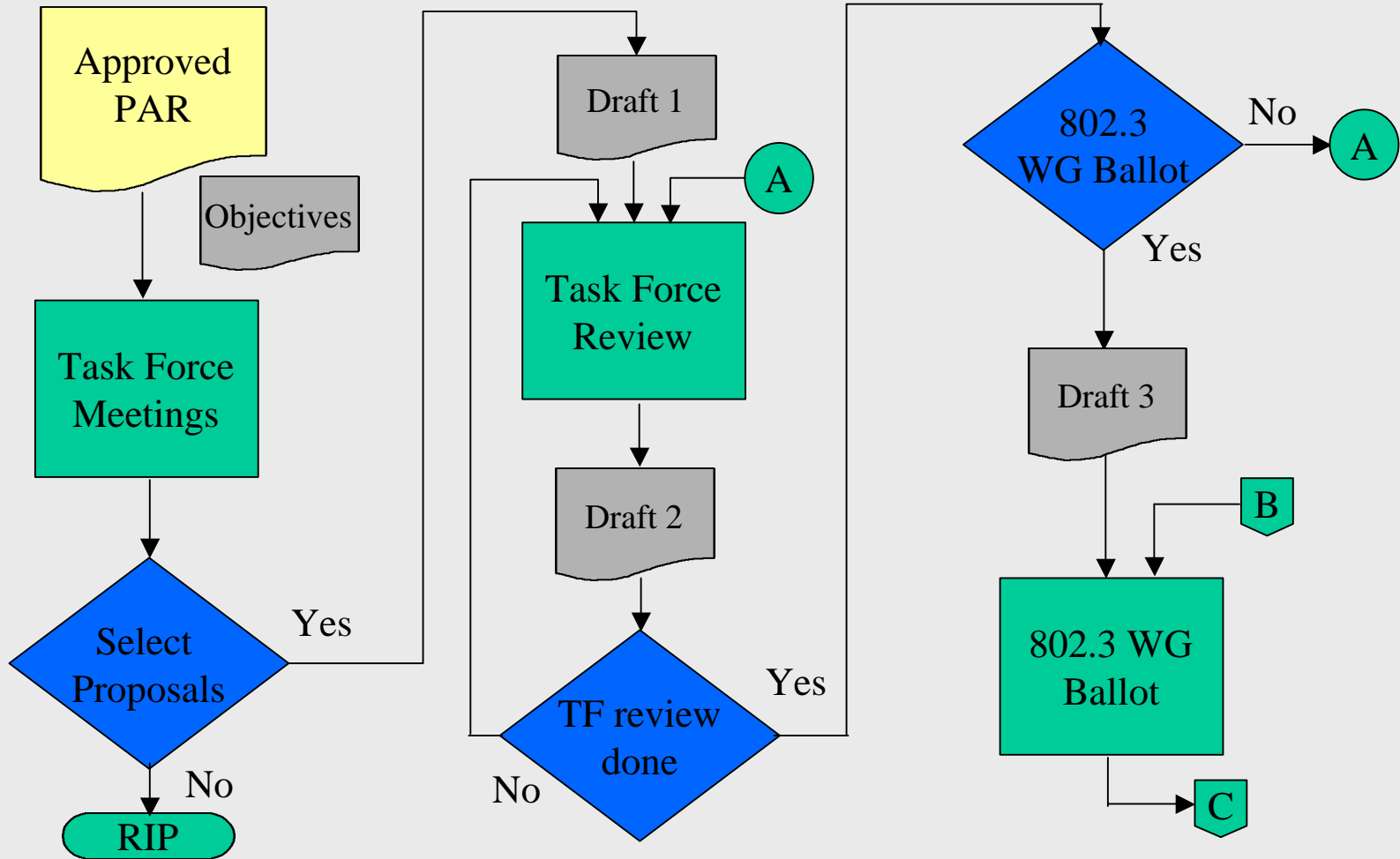
Co-locate with 802.3ah, 802.1

# IEEE Standards Process

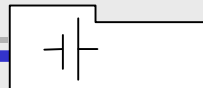
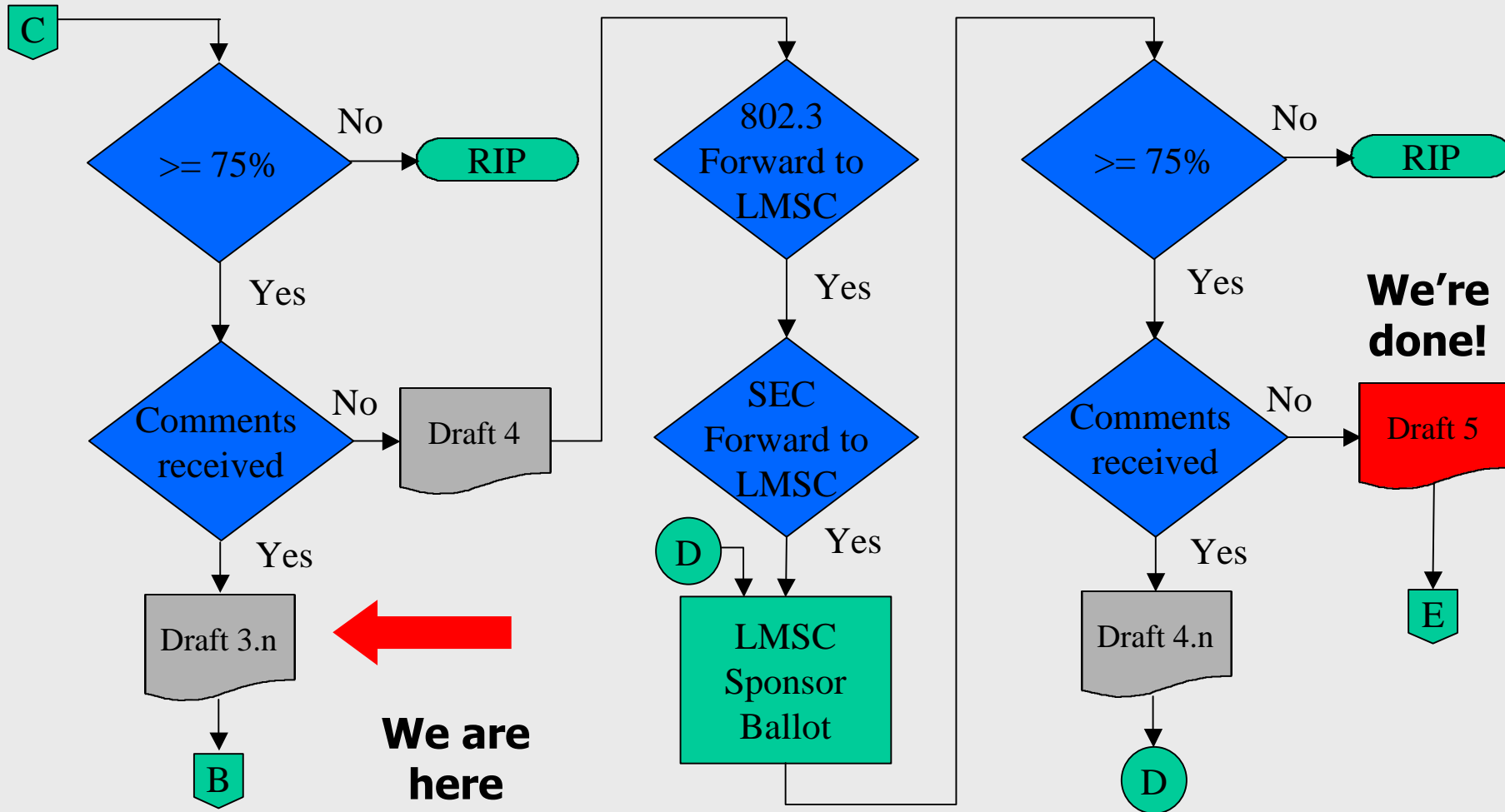




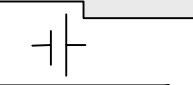
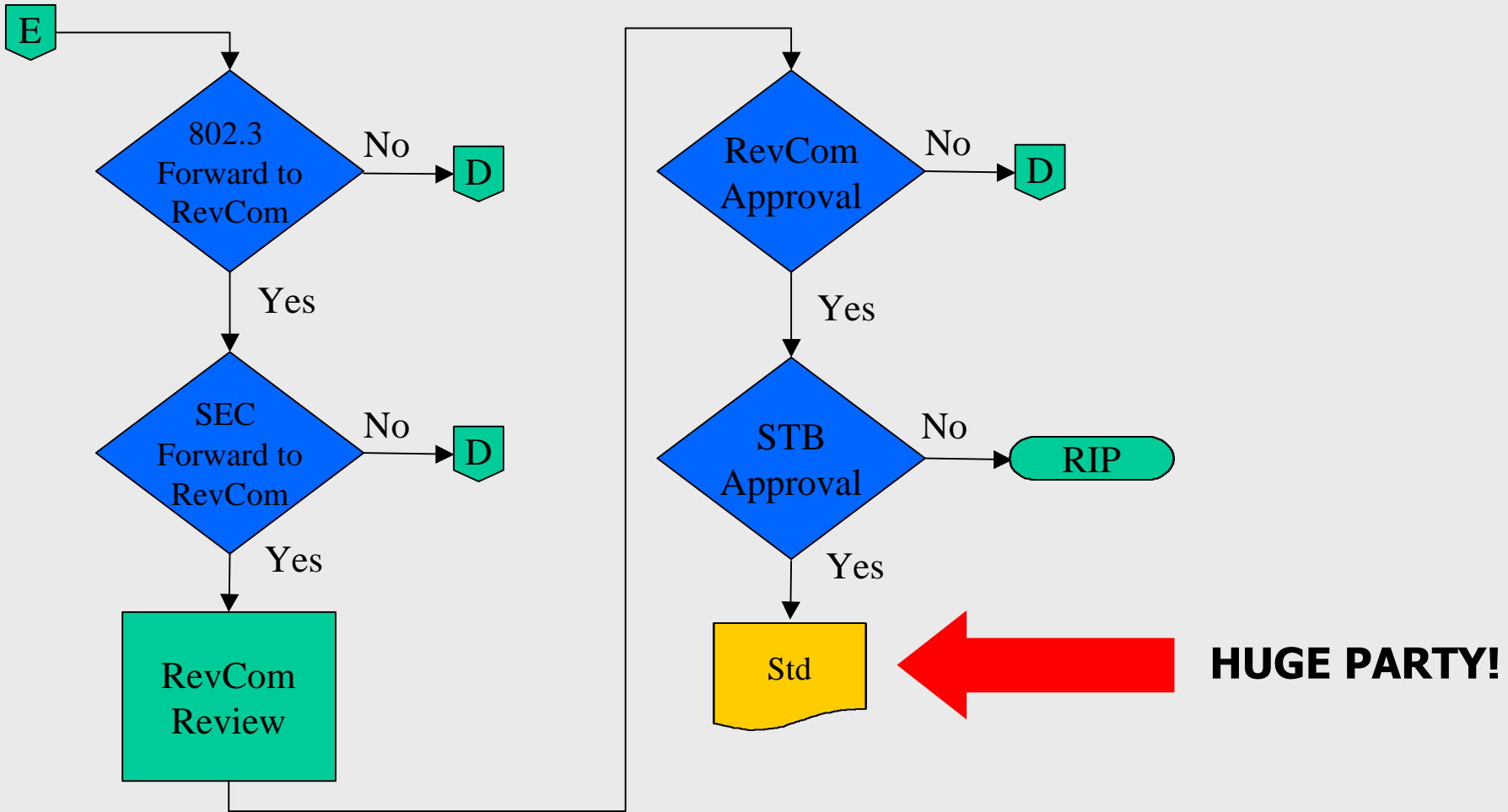
# IEEE Standards Process



# IEEE Standards Process



# IEEE Standards Process



# 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](mailto: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](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](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