



Welcome

to the

Sept, 1999

MEETING OF THE 802.3 HIGH SPEED
STUDY GROUP (a.k.a. 10GbE)

York, England

Jonathan Thatcher
jonathan@picolight.com

**Thanks to 3COM for hosting
this meeting.**

**Special thanks to
David Law,
Terry Lockyer,
Lisa Salo**

Agenda

- < **Welcome and Introductions**
- < **Select Recording Secretary**
- < **Review / Approve Agenda**
- < **Document Distribution**
- < **E-mail Reflector, Web Site, and Miscellaneous Information**
- < **Objectives for This Week**
- < **Call for Patents**
- < **Presentations related to Objectives (PAR & 5 Criteria)**
- < **Motions related to Objectives**
- < **Other Presentations**
- < **New Business**
- < **Plans for Sept Meeting**
- < **Approve Minutes of Montreal Meeting**
- < **Review New Action Items**
- < **Adjourn**

E-mail Reflector

- < **The IEEE has set up a reflector for this study group:**
stds-802-3-hssg@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-hssg <your email address>](#)
to
[majordomo@ mail.ieee.org](mailto:majordomo@mail.ieee.org)
- < **To send a message to the HSSG reflector use the email address:**
stds-802-3-hssg@ieee.org
- < **Subscriptions are on an individual basis only**
- < **No proxy requests or reflectors will be subscribed**

IEEE Web Site

- < **Typical Plenary Meeting Plan (HSSG will meet during “Task Force” slots):**

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

- < **802.3z 5 Criteria:**

<http://grouper.ieee.org/groups/802/3/z/public/misc/5criteria.pdf>

- < **802.3z PAR:**

<http://grouper.ieee.org/groups/802/3/z/public/misc/PAR.txt>

- < **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**

Future Meetings

< November 8-12 Hyatt Regency Kauai, Koloa, HI.

< Jan 18-20, 2000 scheduled for Dallas Texas

< Anything to say Shawn?

< Other plenary meetings can be found in:

<http://grouper.ieee.org/groups/802/minutes/mar1999/meetschd.pdf>

< No other interim mtg's planned; Request for hosts:

< If you would like to host a meeting for 2000: May, Sept,
2001: Jan, May, Sept,

< Get authorization from your company and volunteer at
November

Objectives for This Week

Priority One:

- < **Finalize the OBJECTIVES for the HSSG**
- < **Finalize the PAR and 5 Criteria**
- < **Plan the November Tutorial**
- < **Submit draft to SEC**

Priority Two:

- < **Begin to Organize the Work**

HSSG Objectives Passed (1 of 2)

- Preserve the 802.3/Ethernet frame format at the MAC Client service interface. (acclamation)
- Meet 802 Functional Requirements, with the possible exception of Hamming Distance. (Y: 63 N: 2 A: 16)
- Preserve minimum and maximum FrameSize of current 802.3 Std. (acclamation)
- Support full-duplex operation only. (acclamation)
- Support star-wired local area networks using point-to-point links and structured cabling topologies. (Y: 55 N: 11 A: 17)
- Specify an optional Media Independent Interface. (Y: 52 N: 0 A: 6)
- Support proposed standard P802.3ad, Link Aggregation (acclamation)
- Select only one of 10.000 Gb/s or 9.58464 Gb/s to standardize as the MAC/PLS data rate (For: 113; Against: 3; Abstain: 10)

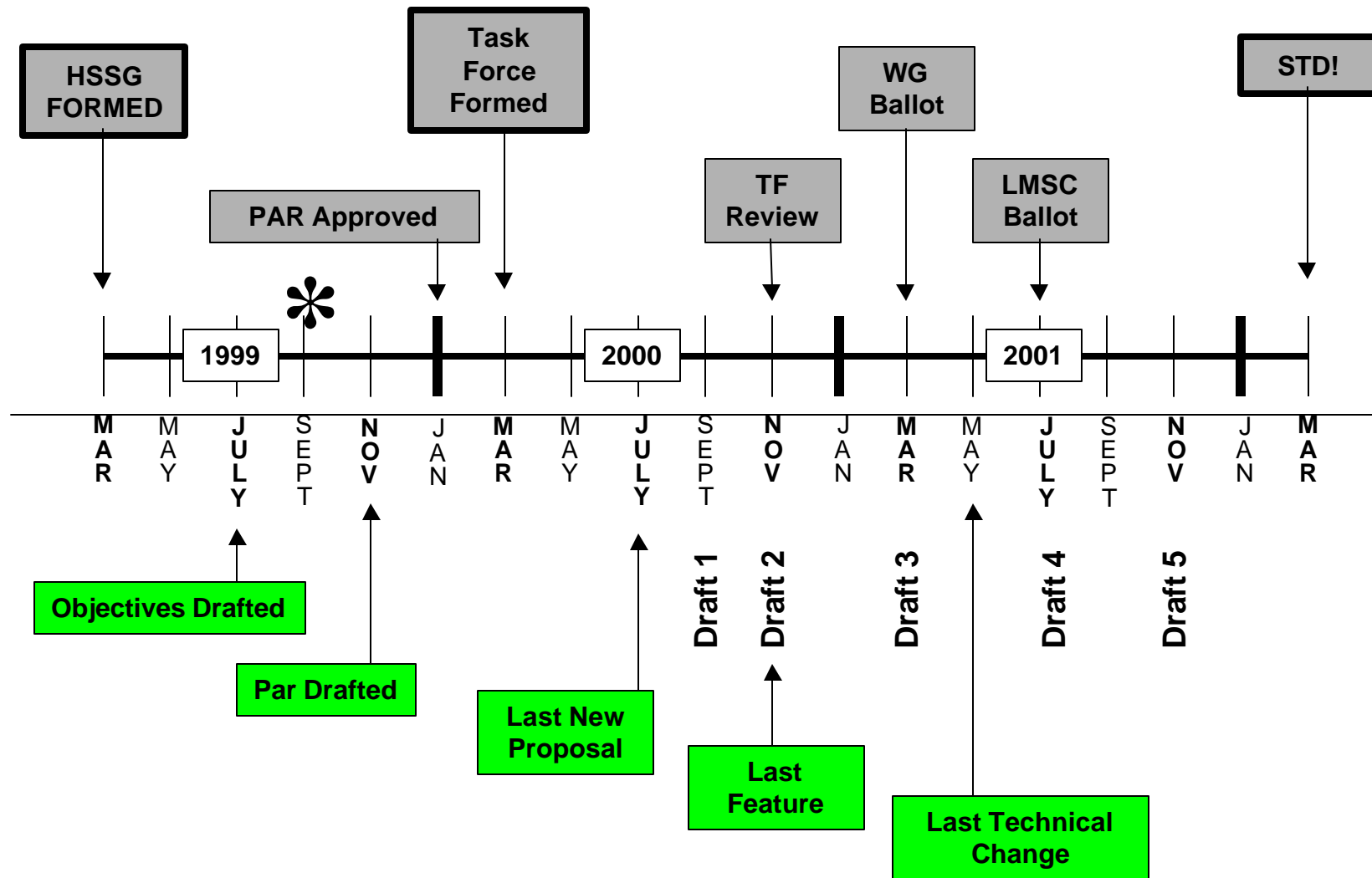
HSSG Objectives Passed (2 of 2)

- Support fiber media selected from the second edition of ISO/IEC 11801 (802.3 to work with SC25/WG3 to develop appropriate specifications for any new fiber media). For: 119; Against: 0; Abstain: 1
- Provide a family of Physical Layer specifications which support a link distance of:
 - At least 2 km over SMF (For: 105; Against: 0; Abstain: 0)
 - At least 10 km over SMF (For: 93; Against: 5; Abstain: 7)
 - At least 100 m over installed MMF (For: 73; Against:13; Abstain: 21)
 - At least 300 m over MMF (For: 83; Against: 3; Abstain: 12)
 - At least 40 km over SMF (For: 68; Against: 4; Abstain:

Short Term Schedule

- < York Meeting on 9/27-29/99
 - < Complete Objectives (If not complete in Montreal)
 - < Complete PAR and 5 Criteria
 - < Submit draft to the SEC (Sponsor Executive Committee)
 - < Prepare Tutorial for November Meeting
- < Kauai 802.3 Plenary Meeting on November 8-12
 - < Execute PAR approval process
 - < 802.3 Approve PAR for forwarding to 802 SEC
 - < SEC approve and forward to NesCom
- < Jan, 2000
 - < NesCom: Approve PAR
 - < Interim Meeting: location TBD
- < 802.3 Plenary Meeting on March, 2000
 - < First official meeting of task force

Long Term Schedule



IEEE 802.3

High Speed Study Group

Request For Presentations

- < PHY/PMD Evaluation Criteria
- < Work Action Plans
 - < MAC
 - < Management
 - < PHYs
 - < PMDs
 - < Fiber
 - < Other?

Focus Items

1. Long Term Activities
2. Slam Dunk Activities

Remaining Business

HSSG Motion at July Plenary....

- < In response to the motion passed in the HSSG, requests that the 802.3 Chair sign an appropriate letter addressed to 802.3 members that enlists their support in administering a cabling survey developed within the HSSG to support 802.3 standards effort.

(Supported in HSSG: For 71; Against: 3; Abstain: 9)

Closing Discussions

- < **Last minute requests for presentations**
 - < Can't adequately plan ahead
 - < Too much material; too little
- < **Providing materials for the meeting**
 - < Some groups require advance materials
 - < Some groups have much more advanced on-line documentation
- < **Use (abuse?) of reflector**
- < **Future meeting schedules**
 - < Request for no Monday Interim Meetings
 - < Conflicts with other task forces