IEEE 802.3z
Gigabit Task Force

Agenda and General Information

Irvine, CA
10-March-1997

Agenda

__ 1. **Welcome and introductions**
__ 2. **Select recording secretary**
__ 3. **Ground rules for connector discussions**
__ 4. **P802.3z status report**
__ 5. **Standards development timeline**
__ 6. **Email reflector and ftp/web sites**
__ 7. **Review HSSG objectives**
__ 8. **Distribution of documents**
__ 9. **Call for patents**
__ 10. **Liaison reports**
　　　　__ a. **TR41.8.1 - Chris Di Minico**
　　　　__ b. **X3T11 - Rich Taborek**
__ 11. **Room assignments**
__ 12. **Sub Task Force breakouts**
　　　　__ a. **Track I System/Repeater/MAC/Management**
　　　　__ b. **Track II GMII/PCS/Link Configuration**
　　　　__ c. **Track III Short Haul Copper/Optics/PMA**
　　　　__ d. **Track IV 1000BASE-T**
__ 13. **Connector presentations**
__ 14. **New business**
__ 15. **Plans for next meeting**
__ 16. **Approve minutes of January meeting**
__ 17. **Adjourn**

Ground rules for connector discussions

i. Rich Taborek, our liaison from Fibre Channel, will report on the recent actions in X3T11 concerning connectors.

ii. Presentations concerning connector proposals will be given before the whole of 802.3z on wednesday morning.

iii. Motions on this subject must be made during the closing session of 802.3z on wednesday afternoon.

iv. In the absence of a successful motion to the contrary, P802.3z will continue to specify the duplex SC connector for fiber optics, and the DB-9 connector for short copper.
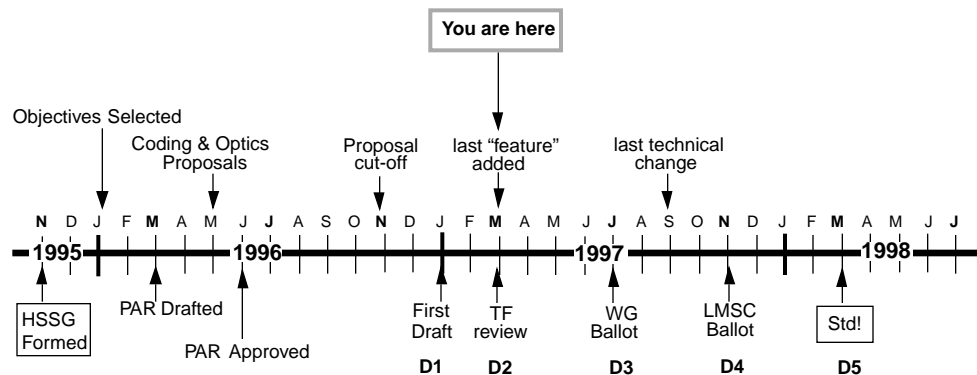
P802.3z status report

■ 802.3 WG approved P802.3z PAR on 14-Mar-96

■ 802 Exec approved P802.3z PAR on 14-Mar-96

■ NESCOM approved P802.3z PAR on 19-Jun-96

■ IEEE Standards Board approved P802.3z PAR on 20-Jun-96

■ Task Force held first meeting on 9-July-96

■ Elected H. Frazier, Chair and H. Johnson, Editor-In-Chief

■ Established voting rules

■ All those present at the time a vote is taken may vote, if they feel qualified to do so

■ > 50% majority required for procedural motions

■ >= 75% majority required for technical motions

■ Selected suite of technical proposals 13-Nov-96

■ Formed Sub Task Forces 13-Nov-96

■ Distributed draft D1 9-Jan-97

■ Distributed draft D2 24-Feb-97

Standards development timeline

You are here

Objectives Selected

Coding & Optics
Proposals

Proposal
cut-off

last "feature"
added

last technical
change

N D **J** F **M** A M J **J** A S O **N** D J F **M** A M J **J** A S O **N** D J F **M** A M J **J**

1995 **1996** **1997** **1998**

HSSG
Formed

PAR Drafted

PAR Approved

First
Draft

D1

TF
review

D2

WG
Ballot

D3

LMSC
Ballot

D4

Std!

D5

E-mail reflector

- The IEEE has set up a reflector for this task force:

  stds-802-3-hssg@mail.ieee.org

- The are currently ~660 names/addresses on the reflector

- The reflector can be used for announcements, comments, discussions, or dissemination of information related to the work of this task force

- The reflector should not be used for recruiting, advertising, soliciting, flaming, or whining

- To be added to the reflector, send an E-mail containing the line

  subscribe stds-802-3-hssg <your email address>

- to

  majordomo@mail.ieee.org

- Subscriptions are on an individual basis only

  No proxy requests or reflectors will be subscribed

FTP/Web sites

- The IEEE has established an ftp site for our use:
    - ftp://stdsbbs.ieee.org/pub/802_main/802.3/gigabit

- We archive minutes and technical presentations on this site
    - Format for minutes is ASCII text
    - Format for presentations is ASCII text or PDF

- The "802.3" and "gigabit" directories will always contain a file called "MEETING.txt" which will contain information about the next meeting's schedule and arrangements

- Please send requests for uploads to this site to:
    - spa-admin@mail.ieee.org

- The IEEE has established a web site for our use

- This site is used to archive drafts as PDF files

FTP/Web sites (cont)

- Working on web based comment collection form

Use this form to send comments about draft D2 to the IEEE P802.3z Gigabit Task Force.

Your Name: [   ]   Your email: [   ]

Your Phone #: [   ]   Your Fax #: [   ]

Clause: 01 ⊟   Subclause (e.g. 35.2.3.1.1): [   ]

Page: [   ] Line: [   ] ◇ Technical ◇ Editorial
Comment:

[   ]

Suggested Remedy:

[   ]

Please fill in all fields before clicking [submit] Click [Clear] to start over

Objectives

1. Speed of 1000 Mb/s at the MAC/PLS service interface
2. Use 802.3/Ethernet frame format
3. Meet 802 FR, with the possible exception of Hamming Distance
4. Simple forwarding between 1000, 100, 10
5. Preserve min and max FrameSize of current 802.3 Std
6. Full and Half Duplex operation
7. Support star-wired topologies
8. Use CSMA/CD access method w/ support for at least 1 repeater/collision domain
9. Support Fiber media and if possible copper media
10. Use ANSI Fiber Channel FC-1 and FC-0 as basis for work
11. Provide a family of Physical Layer specifications which support a link distance of:
    a. At least 25 m on copper (100 m preferred)
    b. At least 500 on multimode fiber
    c. At least 3 km on single mode fiber
12. Support maximum collision domain diameter of 200m
13. Support media selected from ISO/IEC 11801
14. Adopt flow control based on 802.3x
15. Include a specification for an optional Media Independent Interface

Room assignments

Day	Time	Salon E	Salon ABC	LA+Irvine	Anaheim	Salon F	Rm 212
Sun	6:00p - 10:00a		Track IV				
Mon	8:30a - 10:00a	802.3z all					
	10:00a - 12:00n		Track I	Track II			
	1:30p - 3:30p	802 opening plenary					
	3:30p - 5:00p	802.3					
	5:00p - 6:00p	Track I		Track II	Track III	Track IV	
	8:00p - 9:30p	1000BASE-T Tutorial					
Tue	8:30a -12:00n	802.3					
	1:30p - 6:00p	Track I		Track II	Track III	Track IV	
	8:00p - 9:30	P.O.F. Tutorial					
Wed	8:30a - 12:00n	802.3z all					
	1:30p - 6:00p	802.3z all					
Thu	8:30a - 12:00n	802.3					

Track I = System/Repeater/MAC/Management, Track II = GMII/PCS/Link Config

Track III = PMA/Short Cu/Optics, Track IV = 1000BASE-T

Track I - System/Repeater/MAC/Management

- ■ System/Repeater/MAC

__ 1. **D2 changes in clauses 41 and 42**   **Stephen Haddock 45**

__ 2. **Burst Timer Lengths' Simulation**   **Mohan Kalkunte 30**

__ 3. **D2 changes in clauses 3 and 4**   **Howard Frazier 45**

__ 4. **D2 changes in clause 34**   **Howard Johnson 15**

- ■ Management

__ 1. **Review of Clause 30/D2**   **Sumesh Kaul 120**

__ 2. **Management Issues**   **David Law 120**

Track II - GMII/PCS

- ■ GMII

__ 1. **D1 comment resolution**   **Bob Grow 120**

__ 2. **D2 comments**   **Bob Grow 120**

- ■ PCS and Link Configuration

__ 1. **D1 comment resolution**   **Rich Taborek 120**

__ 2. **D2 comments**   **Rich Taborek 120**

Track III - PMA/Short Haul Copper PMD/Optical PMD

- ■ Review of Draft
- __ 1. **D1 comment resolution**   **Jonathan Thatcher 120**
- __ 2. **D2 comments**   **Jonathan Thatcher 120**

- ■ PMA
- __ 1.
- __ 2.

- ■ Short Haul Copper (1000BASE-CX)
- __ 1. **Differential Voltage Issues**   **Karl Nakamura 30**
- __ 2. **Performance of DB-9 connector**   **Christine Foster 15**

- ■ Short and Long wavelength lasers (1000BASE-SX, 1000BASE-LX)
- __ 1. **3.3V Gigabit Ethernet Optical Data Link Module**   **Harry Takada 15**
- __ 2. **Experimental verification of worst case optical link model**   **Mark Nowell 20**
- __ 3. **The effects of dirty connectors on laser based MMF links**   **Mark Nowell 30**
- __ 4. **Vixel Data: Shortwave, Longwave and Copper PMD**   **Swirhun/Neumann 30**
- __ 5. **RIN measurements and Gaussian pulse shapes**   **David Smith 10**

Track IV 1000BASE-T

- __ 1. **1000BASE-T Status Report**   **Colin Mick 15**
- __ 2. **QAM-based 1000BASE-T transceiver**   **Agazzi/Hatamian 40**
- __ 3. **Progress Report on National's Dual Duplex Scheme**   **Stephen Oh 45**
- __ 4. **Partial Response Line Coding for Gigabit Copper PHY**   **Sreen Raghavan 45**
- __ 5. **Update on the CAP proposal**   **Mark Yu 45**
- __ 6. **Update on Enhanced T2/TX**   **Sailesh Rao 45**

Connector Presentations

- Connectors for Short Haul Copper
  - __ 1. **Multi-Gigabit Copper Connector Proposal for 1.25/2.5Gbs Ethernet** Ed Cady 30
  - __ 2. **High Speed Serial Data Connector** Lisa Huff 20
- Optical Connectors
  - __ 1. **User needs for fiber connectors** Bob Fink 15
  - __ 2. **The Mini-MT Connector Interface** Jim Kevern 30
  - __ 3. **The Mini-MT From Transceiver Manufacturers' Perspective** Steve Joiner 20
  - __ 4. **Galaxy optical interface/connector** Tad Szostak 60
  - __ 5. **Mechanical performance of silica clad fiber in Galaxy conn.** Thomas Hanson 30
  - __ 6. **LC Connector** Paul Kolesar 45
  - __ 7. **The Fiber Jack connector** Rick Akins 30

Plans for next meeting

- May 14-16, 1997 - Fort Lauderdale, Fl
  Hosted by Adaptec
  Fort Lauderdale Marriot North
  6650 North Andrews Avenue
  Fort Lauderdale, Fl 33309
  (954) 771-0440 or (800) 343-2459
  Group Name: IEEE 802.3z
  Rate: $125.00 plus 11.0 % room tax per night
  CUT OFF DATE: APRIL 22, 1997
- July 7-11, 1997 - 802 plenary week, Maui
- Sept, 1997 - London - hosted by 3Com
- Nov 10-14, 1997 - 802 plenary week, Montreal