IEEE 802.3z
Gigabit Task Force

Agenda and General Information

San Diego, CA
27-January-1997

Agenda

__ 1.   **Welcome and introductions**

__ 2.   **Select recording secretary**

__ 3.   **P802.3z status report**

__ 4.   **Standards development timeline**

__ 5.   **Email reflector and ftp/web sites**

__ 6.   **Review HSSG objectives & PAR**

__ 7.   **Distribution of documents**

__ 8.   **Call for patents**

__ 9.   **Review of draft**

__ 10. **Sub Task Force breakouts**

       a. Track I System/Repeater/MAC/GMII/PCS
       b. Track II Long Haul Copper
       c. Track III Short Haul Copper/Optics/PMA

__ 11. **PAR & 5 Criteria for 1000BASE-T**

__ 12. **AOB**

__ 13. **Plans for next meeting**

__ 14. **Approve minutes of November meeting**

__ 15. **Adjourn**
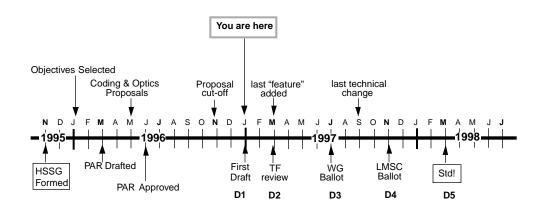
P802.3z status report

- **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**
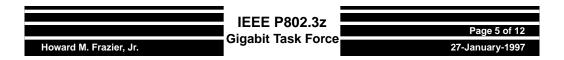- **Distributed draft D1 9-Jan-97**

Standards development timeline

E-mail reflector

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

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

- **The are currently ~620 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 password protected**
    - **Password distributed only to 802.3z TF participants**

- **This site is used to archive drafts as PDF files**

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

Sub Task Force Breakouts

Day	Time	Ballroom A	Ballroom B	Ballroom C
Monday	8:30 am - 9:30 am	**Opening Session of 802.3z**		
	9:30 am - 12:00 n	**Review of 802.3z/D1**		
	1:30 pm - 6:00 pm	**Review of 802.3z/D1**		
	8:00 pm - ???			
Tuesday	8:30 am - 12:00 n	Track I	Track II	Track III
	1:30 pm - 6:00 pm	Track I	Track II	Track III
	8:00 pm - ???			
Wednesday	8:30 am - 12:00 n	Track I	Track II	Track III
	1:30 pm - 4:30 pm	**Closing session of 802.3z**		

Track I - System/Repeater/MAC/GMII/PCS

■ System/Repeater/MAC

__ 1.	**Repeater State Diagrams**	Stephen Haddock 30
__ 2.	**Management for 1000 Mb/s**	Howard Frazier 30
__ 3.	**To Spec or NOT to Spec ...**	Moshe De-Leon 30
__ 4.	**TO spec or not to spec, II**	Howard Frazier 20

■ GMII

__ 1.	**GMII electrical survey results**	Asif Iqbal 15
__ 2.	**GMII electrical specification**	David Fifield 30

■ PCS

__ 1.	**Link monitor state diagram**	Wen-Tsung Tang 20
__ 2.	**Link monitoring and control**	Devendra Tripathi 20
__ 3.	**Link Configuration for 1000BASE-X**	Howard Johnson 20
__ 4.	**Pause Link Configuration**	Ariel Hendel 15
__ 5.	**Pause Link Configuration**	Howard Frazier 20
__ 6.	**PMA Issues**	Michael Yam 15

Track II - Long Haul Copper PHY

__ 1.	**1000BASE-T Status Report**	Colin Mick 15
__ 2.	**Cat 5 Channel FEXT**	Chris Di Minico 15
__ 3.	**Line Coding for GBit Copper PHY**	Sreen Raghavan 30
__ 4.	**Implementation Study of a Gigabit Copper Ethernet Receiver**	Stephen Oh 30
__ 5.	**Simulation Results on QAM-Based 1000BASE-T**	Agazzi/Hatamian 60
__ 6.	**Update on Enhanced Tx/T2 approach for 1000BASE-T**	Sailesh Rao 60
__ 7.	**Study of possible line codes for 1000BaseT**	Kamran Azadet 60
__ 8.	**Objectives, PAR & 5 Criteria**	Eisler/Mick 120

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

Plans for next meeting

- **During 802 plenary meeting week, March 10th-14th, 1997**
- **Marriot Hotel Irvine, CA**
- **Resolve comments from Task Force review of draft**
- **Breakouts organized by Sub Task Force**
- **Final Review of PAR and 5 Criteria for 1000BASE-T**
- **Tutorial on 1000BASE-T: Monday evening, 8:00 pm**

- **Future meetings in:**
- **May 14-16, 1997 - east coast - volunteers?**
- **July 7-11, 1997 - 802 plenary week, Maui**
- **Sept, 1997 - London - hosted by 3Com**
- **Oct, 1997 - ???**