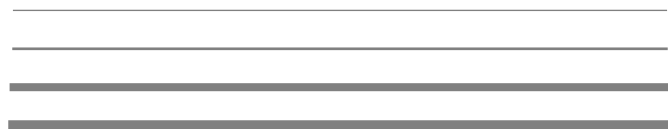
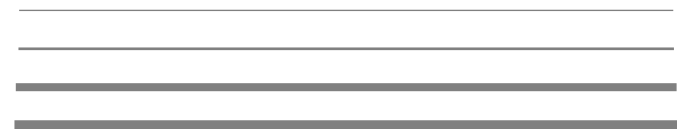


IEEE 802.3z Gigabit Task Force

Coeur d'Alene, ID
9-September-1996

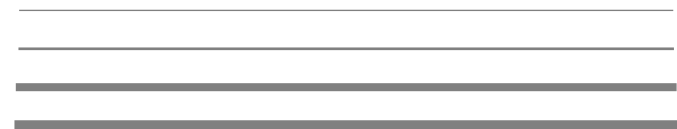
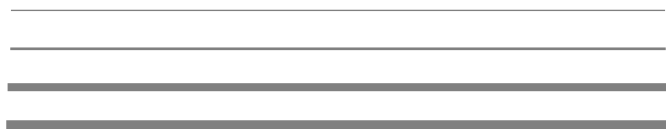


802.3z TF



Agenda

1. Welcome and introductions
2. Select recording secretary
3. P802.3z status report
4. Email reflector and web/ftp site
5. Standards development timeline
6. Review HSSG objectives
7. Technical presentations
8. AOB
9. Plans for next meeting
10. Approve minutes of July meeting
11. 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

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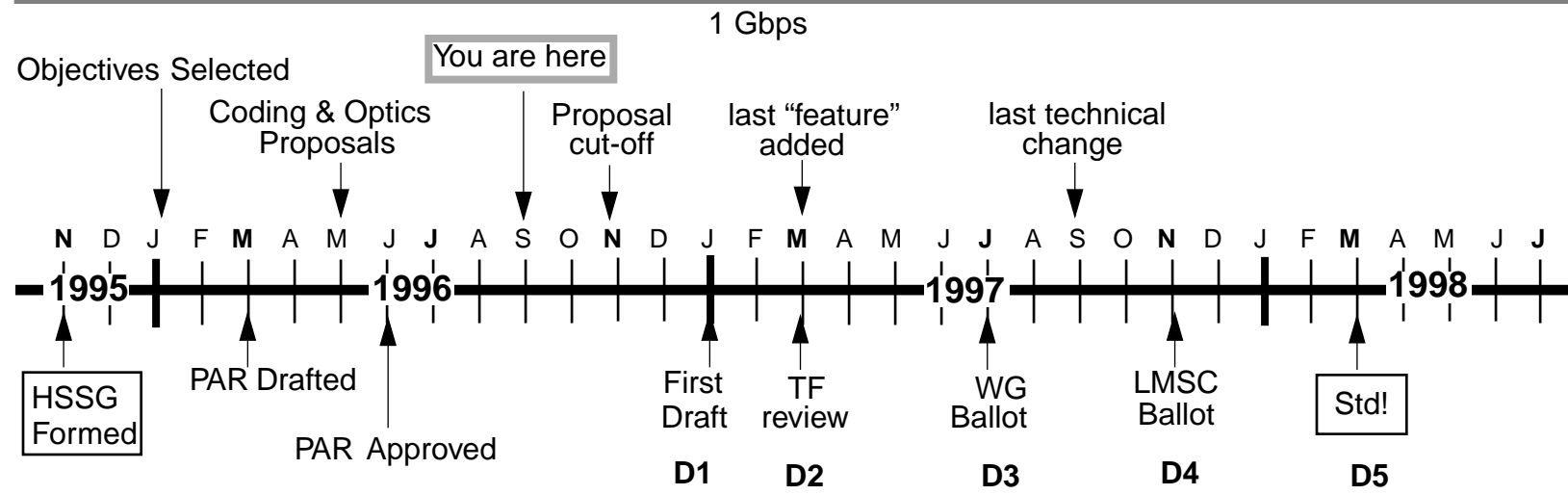
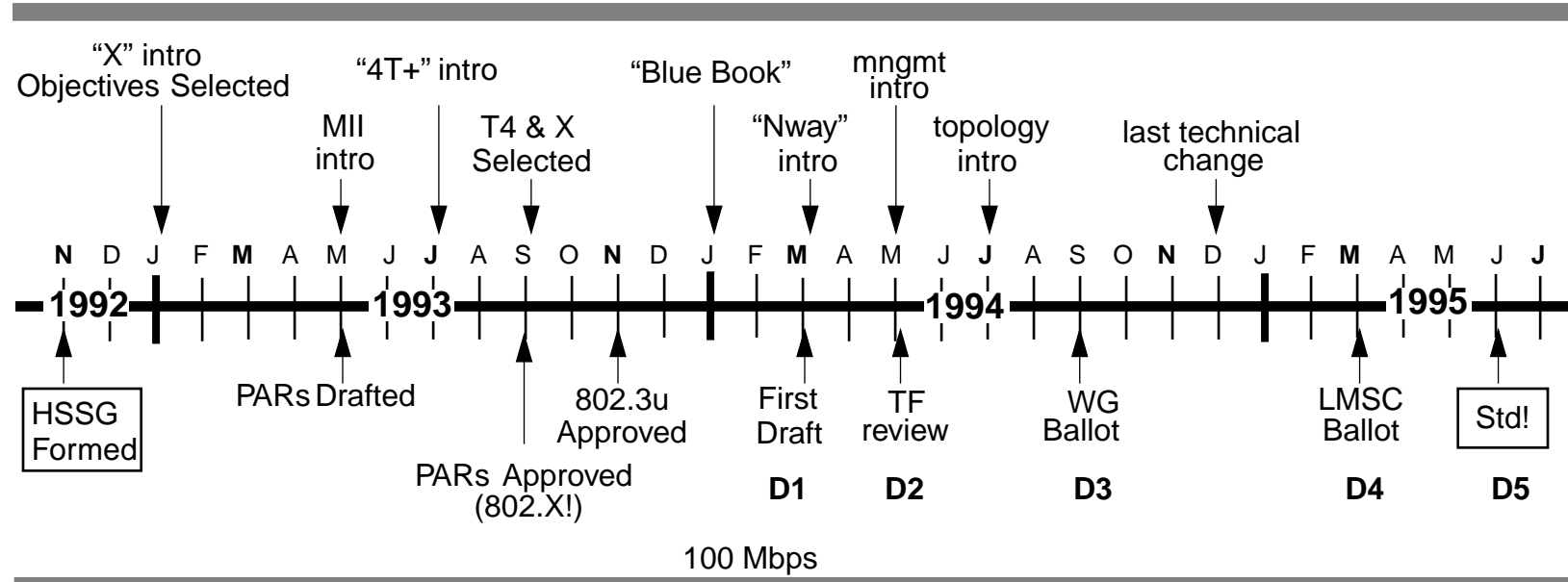
E-mail reflector

- The IEEE has set up a reflector for this task force:
stds-802-3-hssg@mail.ieee.org
- There are currently ~350 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 following line:
subscribe stds-802-3-hssg <your email address>
to either
majordomo@mail.ieee.org or howard.frazier@sun.com
- Subscriptions are on an individual basis only
No proxy requests or reflectors will be subscribed

Web/FTP site

- The IEEE has established a web/ftp site for our use:
 - ftp://stdsbbs.ieee.org/pub/802_main/802.3/gigabit
- We will archive drafts, minutes, and technical presentations on this site
 - Format for drafts is Postscript or PDF
 - 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 schedule and arrangements
- Please send requests for uploads to this site to:
 - howard.frazier@eng.sun.com

Standards development timeline



802.3z TF

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 500 m on multimode fiber
 - b. At least 25 m on copper (100 m preferred)
 - c. At least 2 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**

Technical presentations

■ Overview

- 1. Architecture and Organization of the Standard Howie Johnson 30

■ User Requirements

- 2. A User's View of Gigabit Ethernet Bob Fink 15

■ Repeater/Topology/MAC

- 3. Review and Update of Carrier Extension Proposal Howard Frazier 20
- 4. Review and Update of CSMA/CD Bit budget Steve Haddock 30
- 5. 1000M Repeater-Gigabuffer Lite Proposal Mark Feuerstraeter 30
- 6. Enhanced CSMA/CD Moti Weizman 20
- 7. CSMA/CD in a Box Bernard Daines 60
- 8. CSMA/CD Distance discussion Gideon Prat 20
- 9. Differential credit presentation Gideon Prat 30

■ MII

- 10. Review and Update of Gigabit MII proposal Bob Grow 45
- 11. MII For GigaBit Ethernet Jacob Twersky 20
- 12. Pluggable Modules Tom Lindsay 15

Technical presentations

■ PCS

- | | | |
|---|--|----|
| 13. Review and Update of 8B/10B PCS proposal | Howie Johnson | 10 |
| 14. Serial Link Codes Revision 4 | Rich Taborek | 15 |
| 15. Architectural Layering of the PCS and TSC | Alak Deb | 15 |
| 16. TSC Ordered Set | Igor Zhovnirovsky | 20 |
| 17. Extreme Applications for TSC | Igor Zhovnirovsky/Alak Deb/Alan Albrecht | 30 |
| 18. Test/Maintenance Mode Alternative | Rich Taborek | 20 |

■ Long Haul Copper PHY

- | | | |
|---|--------------|----|
| 19. Copper PHY Evaluation Criteria | Sailesh Rao | 15 |
| 20. NEXT Loss models | Bob Campbell | 15 |
| 21. Split-Band Proposal for Gigabit Ethernet over UTP-5 | Sailesh Rao | 60 |
| 22. Gigabit Cat5 Copper 100m PHY | TJ Shan | 45 |

■ Short Haul Copper PHY

- | | | |
|---|----------------|----|
| 23. Short-haul UTP-5 Gigabit PHY | Barry Hagglung | 40 |
| 24. Short Copper Links for Gigabit | Haluk Aytac | 20 |
| 25. Short-haul copper links | Herb Schneider | 20 |
| 26. Fibre Channel Jitter Study Group Status | Del Hanson | 10 |

■ Optical PMD

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|--|-------------------|----|
| 27. Choosing the Right Optical PMD solutions | Paul Kolesar | 20 |
| 28. Review and Update of Optical proposals | Jonathan Thatcher | 30 |

Plans for next meeting

- Next meeting will be held during 802 LMSC Plenary Week
- November 11-15, 1996 Vancouver, BC.
- For details:
 - ftp://stdsbbs.ieee.org/pub/802_main/802_Announcements/nov96_meeting/meeting_announcement.html
- Proposal Cut-Off Time!