Bibliography for HIPPI and Related Topics

published by the

HIPPI Networking Forum

Providing the worldwide promotion and support of HIPPI interfaces as the technology of choice for implementing gigabit networks.

Rev 0.1
7/20/94

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REVISION RECORD

Revision	Description
0.1 07/20/94	Initial distribution for comments. Distribution made available via anonymous ftp site ftp.network.com. Notification sent to the HIPPI community via hippi-ext@think.com.

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Acknowledgments

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Don Tolmie	Los Alamos National Laboratories
Jim Toy	Broadband Communications Product, Inc.

Table of Contents

Standards, Proposed Standards, and *de facto* Standards

[S1] ANSI X3T9.3 ISO/IEC 9318-3, Information technology - Intelligent Peripheral Interface. Part 3: Device generic command set for magnetic and optical disk drives.

This working draft contains details on the proposed standard for defining how the IPI-3 command set would operate over various physical interfaces. The three specifically defined are Intelligent Peripheral Interface, High Performance Parallel Interface, and Fibre Channel.

A version of the working draft is available in PostScript form from: `ftp:ftp.network.com:/hippi/hippi-ph_8.2.ps.`

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This is a working document of the ANSI X3T11 Technical Committee. The main purpose of this document is to describe the methodology for encapsulating HIPPI-PH packets over ATM equipment, i.e. tunneling through ATM.

A copy of the working draft, dated July 6, 1994, is available in PostScript form from: `ftp:ftp.network.com:/hippi/hippi-atm_1.1.ps`.

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This Internet Draft describes an experimental portion of the MIB which is being proposed as a standard for HIPPI MIBs.

A copy of the draft, dated September 28, 1992, is available in PostScript form from: `ftp:ftp.network.com:/hippi/draft-miller-hippimib-01.ps`.

Articles, Presentations, and Published Papers

[A1] W.R. Franta and J.P. Hughes, “Geographic Extension of HIPPI Channels via High Speed SONET”, *IEEE Network*, May/June 1994.

[A2] D.E. Tolmie, “HIPPI, Fibre Channel, and ATM as Gigabit LANs”, *Networld+Interop ‘94 Engineer’s Conference*, Las Vegas, Nevada, May 5, 1994.

Postscript versions of the slides used for this presentation are available electronically from: `ftp:info-server.lanl.gov:/pub/hippi/general/Tolmie.Interop.ps`.

[A3] B. Beattie, M. Halvorson, C. Idler, J. Kravitz, M. Sukalski, R. Thomsen, “SHIP: Simple Host Intersocket Protocol Vers. 076”, *unpublished*, April 18, 1994.

SHIP is a protocol designed to provide socket level application interface support for devices that may not be suited to full protocol stack implementations such as massively parallel machines and disk arrays. It is intended to provide “network accessibility” to a class of devices that may have traditionally required a HOST channel attachment.

A Postscript version of this paper is available electronically from: `ftp:info-server.lanl.gov:/pub/hippi/CBI/shipv076.ps`

[A4] D.E. Tolmie, “HIPPI, and Relationship to Fibre Channel and ATM”, a presentation at the *1994 Silicon Valley Networking Conference and Exhibition*, San Jose, California, April 5-7, 1994.

Postscript versions of the slides used for this presentation are available electronically from: `ftp:info-server.lanl.gov:/pub/hippi/general/det-slides-4_94.ps`.

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[A15] B. Hastings, “HSSI and HPPI Open up Data Highways to High-Speed Traffic”, *Network World*, vol. 10 iss. 37 p 91, September 13, 1993.

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[A19] R. Cummings, “HIPPI and Fibre Channel Coexistence”, a presentation at *Interface ‘93*, May 6, 1993.

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Textbooks

B1 D.E. Tolmie and A. Tantawy (ed.), *High Performance Networks - Technology and Protocols*, Norwell, Massachusetts, Kluwer Academic Publishers, 1994, “High Performance Parallel Interface (HIPPI)”.

Also contains excellent chapters on ATM and SONET.

B2 William Stallings, *Advances in Local and Metropolitan Area Networks*, Los Alamitos, California, IEEE Computer Society Press 1994.

B3 Craig Partridge, *Gigabit Networking*, Addison-Wesley, 1994.

Miscellaneous Information

[M1] "RD13 Data Acquisition System User's Guide", CERN, Geneva, Switzerland, July 4, 1994.

This User's Guide is for the RD13/6/34 test-beam built at CERN. This device uses HIPPI interfaces. This document is accessible via:
`http://rd13doc.cern.ch/home1/public/doc/Note44.html.`

[M2] C.P. Bee, S. Buono, et. al., "Status Report of A Scalable Data Taking System at a Test Beam for LHC CERN/DROC 94-24", European Organization for Nuclear Research (CERN), Geneva, Switzerland, May 9, 1994.

This collaboration update is available via:
`http://rd13doc.cern.ch/home1/public/doc/Note117.html.`

[M3] "The Enable-Machine: A Second Level Trigger for Transition Radiation Detector TRD of the LHC", CERN, Geneva, Switzerland.

This information describes a collaboration effort involving CERN where HIPPI is used in a project to develop a massively parallel computer for high-speed pattern recognition. The information is accessible via:
`http://mp-sun1.informatik.uni-mannheim.de/projects/enable.html.`

[M4] Cutler & Company, "Assessment of High Bandwidth Applications Demand on Research Data Networks", Australian Science and Technology Council, May 1994.

This is a consultants report in response to a directive from the Minister Assisting the Prime Minister for Science to define the requirements of Australia's research data networks. This report examines HIPPIs role in these networks versus other technologies such as ATM. This information is accessible via:
`http://info.aarnet.edu.au/aarnet/documents/astec-consult.html.`

[M5] LLNL "Advanced Telecommunications Program (ATP)", April 15, 1994.

This documentation describes the Advanced Telecommunications Program under way at LLNL. Information is contained within the document that describes the role of HIPPI in this effort. The information is accessible via:
`http://www-atp.llnl.gov/atp.`

[M6] Gigabit Networking - XUNET and Project BLANCA, University of Illinois

This provides information about the BLANCA testbed. This document also describes the effort to provide HIPPI to XUNET interfaces as part of the BLANCA effort. This information is available via:
`http://choices.cs.uiuc.edu/blanca/blanca.html.`

[M7] ANSI X3T11 Committee Meeting Minutes.

While these minutes are not a single actual document, but rather a collection of documents, the editor felt it was important to note the location of the information in this collection. The following meeting minutes are available.

February 16, 1994 @ Red Lion Hotel, Austin, Texas from:
`ftp:ftp.network.com:/X3T11/minutes/x3t11_minutes_94.02.ps.`

April 20, 1994 @ Hyatt Regency Hotel, Bellevue, Washington from:
`ftp:ftp.network.com:/X3T11/minutes/x3t11_minutes_94.02.ps.`

[M8] HIPPI-802 Working Group Meeting Minutes.

Like the ANSI X3T11 meeting minutes, these are collections of notes documenting the events of the specified meetings. The following meeting minutes are available:

July 9, 1990 @ Rochester, Minnesota from:
`gopher://gopher.es.net/11/pub/`
`high-speed-networking/hippi/hippi-le-minutes-oct-90.ps.`

October 16, 1990 @ Fort Lauderdale, Florida from:
`gopher://gopher.es.net/11/pub/`
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[M9] A. Nicholson, Minutes of the IP over HIPPI BOF, IETF Meeting, March, 1992.

These notes cover the IETF BOF meeting to discuss the proposed draft version of RFC-1374. This has been included for reference only. An ASCII version of this document can be retrieved from:
`ftp:cnri.reston.va.us:/ietf/92mar/hippi-minutes-92mar.txt.`

[M10] IETF-HIPPI Mailing List Archives

This file contains archives of the mail distributed via the IETF-HIPPI mailing list. It covers the time period from January 20, 1992 through November 20, 1992. This ASCII text file can be retrieved from:
`ftp:relay.cs.toronto.edu:/lists.1992/ietf-hippi.gz.`

Vendor Literature

NOTE: This section is still under construction.

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1. Product Specification : NS 1971, April 1994, *HIPPI-SONET*

   This document is a four page specification describing the NSC HIPPI-SONET Gateway. This device gateways an 800 Mbit/sec HIPPI channel over a 622 Mbit/sec OC-12/STS-12c SONET link.

2. Product Manual : 461009-01, June 1994, *ES-1 Switch User Guide*

   This manual describes the ES-1 HIPPI switch. It has sections on the hardware, installation, switch routing philosophy, user interface, switch management, performance and troubleshooting.

Obtaining Reprints

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