Welcome

WELCOME TO THE INAGURAL
MEETING OF THE 802.3 HIGH SPEED
STUDY GROUP (a.k.a. 10GIG)

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Coeur d'Alene, Idaho

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IEEE 802.3
High Speed Study Group

Agenda

- < **Welcome and Introductions**
- < **Select Recording Secretary**
- < **Document Distribution**
- < **E-mail Reflector, Web Site, and Miscellaneous**
- < **What is a PAR / 5 Criteria / Objectives**
- < **Objectives for This Week**
- < **Presentations**
  - < **NCITS T11.2 Assistance to HSSG**
  - < **Requirements and Objectives**
  - < **Architecture**
  - < **New MII**
  - < **Coding**
  - < **PHY**
- < **Discussion on Objectives / Issues**
- < **Plans for July Meeting**
- < **Approve Minutes of March Meeting**
- < **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

< **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**

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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.

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Future Meetings

< July 5-9 Queen Elizabeth Hotel, Montreal, Canada

Hotel cut-off is June 2 for July Plenary:

see http://grouper.ieee.org/groups/802/meeting

< Interrum meeting in York on 9/27-29/99

< Interrums Jan 2000 and beyond are not scheduled

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

< Other plenary meetings can be found in:

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

Objectives for This Week

- Begin to define the OBJECTIVES for the HSSG

  - It is traditional for 802.3 to derive objectives from market requirements. This means market pull, not technology push

- Put a Plan together to REFINE the OBJECTIVES

- Improve understanding of TECHNICAL PROPOSALS

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Presentations (1 of 3)

- **NCITS T11.2 Assistance to HSSG**
  - Rich Taborek (20 minutes)
- **Requirements and Objectives**
  - Bruce Tolley -- Market Requirements (15 min)
  - Tad Szostak -- Fiber Survey: BICSI (20 min)
  - Bill St. Arnaud -- 10XGbE in WAN (15 min)
  - Roy Bynum -- Extended Users Perspective (20 min)
  - Mike Bennett -- User perspective on 10 Gig (15 min)
  - Nader Vijeh -- Requirements for MAN (10 min) => Wed
  - Bob Grow -- Objectives for Higher Speed 802.3 (30 min)
- **Architecture**
  - Mike Salzman -- 10 Gig Architecture and Objectives (25 min)
  - Shimon Muller -- Architecture for a 10-Gigabit Ethernet Standard (45 min)
  - David Law -- Architecting the Standard (20 min)
  - Rich Taborek -- Auto Negotiation (20 min)

- **New MII**
  - **Richard Dugan -- Electrical board-level signal rates and multiplex issues for 10GbE (20 min)**
  - **Shawn Rogers -- GMII "Clay Pigeons" (10 min)**
  - **Bob Grow -- MII Issues for 10Gbps Operation (30)**
- **Coding**
  - **Changoo Lee -- mB810 Coding (5 min)**
  - **Paul Bottorf -- Scrambling (45)**
  - **John Ewen -- 10 Gig PHY and Coding (30)**
  - **Rich Taborek -- MAS Technology and Applications (60)**

Presentations (3 of 3)

- PHY
  - **Vipul Bhatt -- WWDM for Metropolitan Area Applications of 10GbE (10 min)**
  - **Jaime E. Kardontchik -- 10 Gigabit BASE-T (30 min)**
  - **Brian Peters -- 8x1.25 Gbps WDM for 10G Ethernet (10 min)**
  - **Brian Lemoff -- WWDM Transceiver Module (30 min)**
  - **Lisa Buckman -- DFB Laser Source Study (15 min)**
  - **Paul Kolesar -- 10 Gig Multimode System Update (25 min)**
  - **Ed Cornejo -- Serial Optical PMD Proposals (20 min)**
  - **Fred Weniger -- 10 Gig Serialization (10 min)**
  - **Piers Dawe, Serial 10 Gb/s Transceiver Link Performance Analysis (20 min)**
  - **Rob Marsland -- A Review of the DARPA sponsored Optical Link for Radar Digital Processor program (20 min)**