IEEE 802.3
Backplane Ethernet Study Group
Opening Plenary Meeting Report

Lake Buena Vista, FL

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Reflector and Web

- To subscribe to the Backplane Ethernet Study Group reflector send an email to:
    - *majordomo@ieee.org*

    with the following in the <u>body of the message</u>:
    - *subscribe stds-802-3-blade <your email address>*

- Ethernet Backplane Study Group web page URL:
    - *http://www.ieee802.org/3/bladesg/*

Interim Meeting

- January 12 & 13, 2004
- Vancouver, BC
- ~50 attendees, ~20 companies

- 9 technical presentations
  - market potential
  - system requirements
  - technical feasibility
  - objectives

Interim Meeting Results

- ## We have a draft PAR:

  http://www.ieee802.org/3/bladesg/public/jan04/par_0104.pdf

- ## We have draft responses to the 5 Criteria:

  http://www.ieee802.org/3/bladesg/public/jan04/critters_0104.pdf

- ## We have a set of Objectives:

  http://www.ieee802.org/3/bladesg/public/jan04/objectives_0104.pdf

Backplane Ethernet Objectives

- **Preserve the 802.3/Ethernet frame format at the MAC Client service interface.**

- **Preserve min. and max. frame size of current 802.3 Std.**

- **Support existing media independent interfaces.**

- **Support operation over a single lane across 2 connectors over copper traces on FR-4.**

- **Define a single lane 1 Gb/s PHY that would support links consistent with lengths up to at least 40 inches of FR-4.**

- **Define a single lane 10 Gb/s PHY that would support links consistent with lengths up to at least 40 inches of FR-4.**

- **Consider auto-negotiation.**

- **Support BER of 1E-12.**

- **Meet CISPR/FCC Class A.**

Plan for the Week

- Hear presentations
  - 11 technical presentations
  - Support and refine objectives
  - Topics include system requirements, backplane channel definition, auto-negotiation, enhancements to flow control

- Address comments on the PAR, 5 Criteria, and Objectives.

- Seek 802.3 approval of PAR, 5 Criteria, and Objectives.

Thank You!