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**IEEE 802.3**

**Backplane Ethernet Study Group**

**Opening Plenary Meeting Report**

Lake Buena Vista, FL

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# Reflector and Web

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- To subscribe to the Backplane Ethernet Study Group reflector send an email to:

*[majordomo@ieee.org](mailto:majordomo@ieee.org)*

with the following in the body of the message:

***[subscribe stds-802-3-blade <your email address>](#)***

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



# Interim Meeting

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- January 12 & 13, 2004
- Vancouver, BC
- ~50 attendees, ~20 companies
  
- 9 technical presentations
  - market potential
  - system requirements
  - technical feasibility
  - objectives



# Interim Meeting Results

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- We have a draft PAR:

[http://www.ieee802.org/3/bladesg/public/jan04/par\\_0104.pdf](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](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](http://www.ieee802.org/3/bladesg/public/jan04/objectives_0104.pdf)



# Backplane Ethernet Objectives

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- **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

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- 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.



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Thank You!