



IEEE 802.3 CSMA/CD (Ethernet) Working Group

November 16, 2006

From: IEEE 802.3 Working Group

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Subject: Response to the OIF Liaison letter to IEEE 802.3

Dear Colleagues:

Thank you for giving IEEE 802.3 a brief outline of the Common Electrical Interface, 25 Gbps (CEI-25). Common Electrical Interface specifications from the Optical Internetworking Forum, Physical Link Layer, have been both helpful and informative in past IEEE 802.3 projects.

IEEE 802.3 approved a Higher Speed Study Group, (HSSG), in July, 2006, to look into the feasibility of Ethernet using higher speeds. This effort is still in the early stages and is not an approved standards project at this time.

The HSSG is primarily focused on starting a standards development project, including defining project scope, and objectives. Once authorized as a project, the HSSG will become a Task Force. At that time, technology selections will be actively pursued and discussions regarding CEI-25 will be more appropriate.

In brief, the following objectives have been established at this time:

- Support a speed of 100 Gb/s at the MAC/PLS service interface.
- Support full-duplex operation only.
- Support at least 10km on SMF.
- Support at least 100 meters on OM3 MMF.
- Preserve the IEEE 802.3 / Ethernet frame format at the MAC Client interface.
- Preserve minimum and maximum FrameSize of current 802.3 Std

Sincerely,

Robert M. Grow
Chair, IEEE 802.3 Working Group