

To:

Jim Jones, Chair, OIF Technical Committee
David Stauffer, Chair, OIF Physical Layer WG

From:

Robert M. Grow, Chair, IEEE 802.3 Working Group
John D'Ambrosia, Chair, IEEE 802.3 HSSG

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.

The 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 currently determining 5 criteria, goals, and objectives. Once completed and authorized as a project, the HSSG will become a Task Force. At that time, 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 service interface.
- Preserve minimum and maximum FrameSize of current 802.3 Std

Best Regards,

Robert M. Grow, IEEE 802.3 Working Group

John D'Ambrosia, IEEE 802.3 HSSG Chair