

Standards Committee: **ISO/IEC JTC1 SC25/WG3 – Structured Cabling**

Date: February 7-11, 2000 in Sydney, Australia

Next meeting: June 12-15 in Norway

Reported by: Steve Swanson, Corning Incorporated

**Meeting Summary:**

- **Attendance** – 60+ representing ~20 countries
- **Documents** – 111 contributions were generated in Sydney
- **Classification of optical links (and fibers)** - the WG reached consensus to develop optical classes based on Sydney 105 (SES proposal).
- **Fiber decisions** –
  - The WG agreed that the minimum bandwidth specified for 62.5 um fiber in the next revision will be 200/500.
  - The WG agreed that the classification of optical links would include a new multimode optical fiber to support short wavelength multi-gigabit applications up to 300 m.
  - The WG agreed that SM fiber will go into the horizontal as an alternative fiber
  - The WG agreed that neither MMF is preferred (50 or 62.5)
  - The WG agreed that the fiber link model will not include splices in the horizontal model
  - There was no support for blown fiber
  - There was no support for plastic optical fiber
- **Liaison to IEC 86A** - A liaison letter was approved to be sent to IEC 86A requesting that the development of laser launch test methods be prioritized.
- **Resolution of comments** - the WG resolved a number of optical fiber related comments in Sydney 15b and proposed resolutions to the editor in Sydney 108. The WG agreed to produce a working draft by end of April and requested comments to the working draft by the 2<sup>nd</sup> of June.
- **Return loss of single-mode connector** – a proposal to increase single-mode connector return loss to 35 dB (from 26 dB) was considered in light of Sydney 68 (IEEE liaison) and Sydney 92 (ETSI document) and approved by the WG.
- **SFF connectors at the TO** - The ad hoc reviewed Sydney 39 (TIA developments regarding use of SFF connectors at the TO) but decided to maintain the SC-D at the TO.
- **Liaison letter from IEEE regarding Gigabit Ethernet unallocated margin** - The WG discussed utilizing the unallocated margin in the GbE standard for additional cabling plant. The IEEE chair noted that the only way to change the GbE Standard was to request a maintenance item and submit the work. Since there was no volunteer to request a maintenance item, the item was dropped.
- **Centralized Optical Cabling** - The WG decided to delete the maximum length of 300 m and allow copper implementations. Centralized Cabling is now link and media independent.

For pull-through implementations, the maximum horizontal cable length shall be limited to 90 m (text and drawing in Sydney 106).

- **Connector attenuation** - The WG agreed to change the maximum connector attenuation to 0.5 dB, and to modify Note 2 of Table 37 to include the following text: "The specified attenuation is intended to reflect initial mating conditions." "Absolute maximum attenuation shall be 0.75 dB, reflecting worst case factors for aging and environmental conditions."