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Fiber Ad Hoc



September 28, 1999



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Members

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- Regis Colla Alcatel
- Len Young Corning
- Gerard Kuyt Plasma Optical Fibre
- Allen Dixon Siecor

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Installed base fiber

- 62.5 um
 - LED bandwidth:
160/200 or 200/500
MHz-km
 - Cabled Attenuation:
3.75/1.5 dB/km
 - All other parameters
from IEC 11801
- 50 um
 - LED bandwidth:
400/400 or 500/500
MHz-km
 - Cabled attenuation:
3.5/1.5 dB/km
 - All other parameters
from IEC 11801

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Installed base fiber

- Single-mode fiber
 - Cabled attenuation:
1.0 dB/km
 - All other parameters
from IEC 11801

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10 GbE New Fiber Installs

- Single-mode
 - All parameters from IEC 11801
- Multimode
 - Cabled attenuation: 3.5/1.5 dB/km
 - LED bandwidth: 500/500 MHz-km
 - No external conditioning
 - Minimum laser bandwidth: 2200/500 MHz-km*
 - Requires work item from TIA for fiber test with launch condition based on required source.
 - Algorithm using DMD measurement to determine laser BW

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New questions

- 1300 nm bandwidth?
- Launch conditions for source?
- Effect of connectors on underfilled launch?
- Effect of underfilled launch on connector insertion loss spec?
- All will require work items through appropriate liaison.