



# ***10G 1310 nm FP (1200-SM-LC-L?)***

## ***Conference-call summary***

1/16/03

Tom Lindsay

**Full minutes sent to reflectors 1/16/03**

Innovation In Optical Communications

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## *Attendees*

- ◆ Dubravko Babic
- ◆ Eric Borisch, JDSU
- ◆ Randy Clark, Piers Dawe, Agilent
- ◆ Hossien Hashemi, Emulex
- ◆ Dave Lewis, Tom Lindsay, E2O
- ◆ Christian Urricariet, Dane Kane, Finisar
- ◆ Dan Yang, Stratos Lightwave



## *Market/motivation*

- ◆ Fibre Channel, support to SONET VSR if “free”
- ◆ Distance usage
  - ◆ ~80%  $\leq$  82 meters
  - ◆ ~98%  $\leq$  1000 meters
- ◆ Need lower cost serial solution for mid-reach than 10 km DFB
- ◆ Reluctance to use enhanced BW MMF
  - ◆ Expensive
  - ◆ Concern about mixing in field
  - ◆ Requires controlled launch



## *Market/motivation, cont'd*

- ◆ To be successful
  - ◆ Useful up to ~1 km at lower cost than DFB
  - ◆ Cost-competitive with other mid-reach options
  - ◆ Simple, easy to use, conventional, not confusing, robust
  - ◆ Do not push technical specs



## *Initial technical directions*

- ◆ Same Rx specs, definitions, test methods as 1200-SM-LL-L
- ◆ SMF only (no support for MMF)
- ◆ Distance ~1 km
- ◆ MPN is significant penalty term
  - ◆ Present assumption  $k=1$ , but under study
- ◆ Low-coherence lasers should reduce penalty for reflection noise (under study)
- ◆ TBD – RIN, rise/fall times, spectral properties, OMA



## *Project management*

- ◆ Randy Clark – link model spreadsheet
  - ◆ For configuration management
  - ◆ Base on 802.3ae science
  - ◆ No revision yet released for this project
- ◆ Dave Lewis – editor (for this project only)
- ◆ Tom Lindsay – host con-calls, minutes, summaries



## *Near-term procedural steps*

- ◆ E2O – submit draft SD3 for FC-PI-3
  - ◆ Formally kickoff project
- ◆ Test/analyze/review data for key parameters
- ◆ Apply spreadsheet tool
- ◆ Conference calls
  - ◆ Determine values, work required, etc.
  - ◆ Need T11.2 authorization, dates/times TBD