
Report of the Optical PMD STF

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EFM Meeting, Vancouver, July 2002

Optical PMD STF Meeting

- Held July 9, July 10, in the Columbia room.
- Beginning point was: D0.9 was in place, reflecting all the baseline proposals selected in earlier meetings.
- Goals were: (1) To verify accurate reproduction of baseline proposals, (2) To replace some placeholders with key issues and specifications.
- Result: Good success on both counts.
- Our policy was: move forward aggressively, but thoughtfully.

Decisions common to 58,59,60

- Made MDI definition generic.
- Adopted Table 53-14 as a basis for defining fiber types.
- Flagged link budget tables as informative.
- For jitter, kept TP 1 thru 4, but parameter unspecified. TP2 and TP3 normative.

Decisions specific to Clause 58

- Set two PMD burst mode parameters as “target values”. (16 ns ONT, 50 ns OLT)
- Changed clock tolerance references from 100 ppm to TBD.

Decisions specific to Clause 59

- Adopted Table 38-1 as a basis for specifying SIGNAL_DETECT.

Decisions specific to Clause 60

- Adjusted 1550 nm wavelength window.
- Adopted Eye mask (dawe_optics_1_0702), in conjunction with a frame level test pattern (radcliffe_optics_1_0702).
- Removed rise and fall time specifications in favor of eye mask and other methods.

Other issues explored, left open

- Making Extinction Ratio values less restrictive.
- Adopting the OMA method.
- Reducing the OMA uncertainty associated with measuring P_{avg} .
- Specifying both component and system level test methods.
- Identifying the clock acquisition speed of a P2MP OLT if it uses legacy PMA devices. What are our options if the value is unacceptably high?

Optics Motion 1

- *Adopt clause 58 of 802.3ah/D0.9 as the basis for clause 58 of 802.3ah/D1.0, with the changes reflected in notestotheeditor_clause58_0702.doc.*

Moved: W. Diab Second: W. Soto

For: 22 Against: 0 Abstain: 6

Motion passed

Optics Motion 2

- *Adopt clause 59 of 802.3ah/D0.9 as the basis for clause 59 of 802.3ah/D1.0, with the changes reflected in notestotheeditor_clause59_0702.doc.*

Moved: J. Tatum Second: W. Soto

For: 24 Against: 0 Abstain: 3

Motion passes

Optics Motion 3

- *Adopt clause 60 of 802.3ah/D0.9 as the basis for clause 60 of 802.3ah/D1.0, with the changes (last revised, July 10, 2002, 4 pm) reflected in notestotheeditor_clause60_0702.doc.*

Moved: P. Dawe Second: J. Radcliffe

For: 19 Against: 0 Abstain:3

Motion passes