MMF Objectives

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New Orleans

Jonathan Thatcher

jonathan@worldwidepackets.com

Media Objectives

Provide Physical Layer specifications which support link distances of:

- **At least 100 m over installed MMF**
- **At least 300 m over MMF**
- At least 2 km over SMF
- At least 10 km over SMF
- At least 40 km over SMF

Issues

The MMF objectives may be part of the problem holding us back….

Many people have said that the MMF objectives are upside down….

What we really want?

300 meters over installed MMF

A short distance, low cost, jumper (<100 meters)

Extension of Haddock Pres.

Four Spaces

1. **WAN / MAN**
2. **Campus**
3. **Premise Wiring**
4. **Equipment to Equipment (E2E)**

Why change?

- Might well break the stalemate
- We know more now than we did when we initially negotiated the objectives
- Feedback seems to indicate that this is really what we want.

Motion

Modify the distance objectives for MMF PMDs to:

- At least 300 meters over installed* MMF
- At least 65 meters over MMF**

*** Installed = all MMF specified in 802.3z (62.5 micron 160/500 MHz*km FDDI-grade is the worst case).**

**** Implies that the solution is cost optimized for this distance.**

M: Tom Dineen

S: Mack McCarron

Y: 76 N: 8 A: 7 Passes (Technical 75%)

Y: 147 N: 23 A: 31 (straw poll of all present)

Motion

Move that, to complete the objectives the P802.3ae Task Force adopt the set of MMF PMDs comprised of:

- 1310nm WDM PMD as presented in hanson_1_0500, and
- 850nm serial PMD as presented in jewell_1_0900

as the basis for two of the PMDs in draft D1.1.

M: Paul Bottorff

S: Joel Goergen

Y: 71 N: 15 A: 7 Passes (Technical 75%)

Y: 136 N: 31 A: 38 (straw poll of all present)

Motion to amend as follows

Move that the P802.3ae Task Force adopt the following PMD:

- 1310nm WWDM PMD as presented in hanson_1_0500

as the basis for a PMD in draft D1.1.

M: Bill Wiedemann S: Howard Frazier

Y: 22 N: 60 A: 10 Amendment Fails (Tech 75%)

Y: 57 N: 104 A: 43 (straw poll of all present)

Motion

Move that the P802.3ae Task Force adopt the 850nm CWDM PMD as presented in wiedemann_1_0700 as the basis for a PMD in draft D1.1.

M: Bill Wiedemann S: Stefan Wurster

Y: 29 N: 35 A: 27 Fails (Tech 75%)

Y: 70 N: 64 A: 68 (straw poll of all present)