



**P802.3ae PMD Track Report to  
802.3 WG**

IEEE Plenary – La Jolla  
13 July 2000

# Presentations

- Updated Link Model spreadsheet
- Updates on PMDs optimized for 25-300m
  - 850nm CWDM, 850nm Serial, Parallel fiber
  - Could be large part of the market
  - Debate about supporting *installed* 62.5  $\mu$ m 160MHz $\cdot$ km MMF vs. migrating to newer high bandwidth fiber
  - Active debate on optimal PMDs for this market
- Updated Clause 38 equivalent tables for 1310nm 4- $\mu$  WWDM, 1310nm/1550nm serial
- Advocacy presentations on relative merits of defined PMD sets—some more controversial than others
  - 3 PMD set—1310nm 4- $\mu$  WWDM, 1310nm/1550nm serial
  - 5 PMD set—850 4- $\mu$  CWDM, 850 serial, 1310nm 4- $\mu$  WWDM, 1310/1550 serial

# PMD Motion Madness

- 45 minute discussion on “best process” to vote on PMDs for inclusion in P802.3ae draft D1.0
  - Motion to vote only on sets of PMDs failed
  - Started by voting on each PMD proposal individually
  - Eventually voted on almost every conceivable combination/permutation
  - Two PMD proposals voted in
- 100m on installed MMF and 300m on MMF objectives not satisfied—more work needed to build consensus on solution

# PMD Track Motion #16

Move that the P802.3ae Task Force adopt the 1310nm serial PMD as presented in hanson\_1\_0500 as the basis for one of the PMDs in draft D1.0.

Technical: >75%      PASSES

Moved: W. Thirion	802.3 Voters	Y: 102	N: 14	A: 4
Second: T. Dineen	Attendees	Y: 171	N: 3	A: 24

# PMD Track Motion #18

Move that the P802.3ae Task Force adopt the 1550nm serial PMD as presented in hanson\_1\_0500 as the basis for one of the PMDs in draft D1.0.

Technical: >75%      PASSES

Moved: W. Thirion	802.3 Voters	Y: 102	N: 0	A: 23
Second: T. Dineen	Attendees	Y:	N:	A:

# PMD Motions

#	Motion	Yes	No	Abs	%
14	850 serial	59	45	13	57
14a	850 serial + 1310 serial + 1550 serial	28	66	17	30
15	850 CWDM	67	38	20	64
16	1310 serial	102	14	4	88
17	1310 WWDM	61	45	21	58
18	1550 serial	102	0	23	100
19	4 fiber VSR	28	45	33	38
22	850 serial + 850 CWDM + 1310 WWDM	57	47	19	55
23	850 CWMD + 1310 WWDM	59	41	14	59
24	850 serial + 1310 WWDM	48	49	7	49