IEEE 802.3ae Interim Meeting
Santa Rosa, CA
February 13-14, 2002

Minutes:
Dave and Jonathan made introductory comments and thanked the host Greg LeChemnant fr
om Agilent for organizing the meeting.
The agenda was accepted
Stretch presented the Results of the "Plug Fest"
See Agilent presentation

Plugfest Summary:
8 companies tested components
RX issues:
About 1/3 of the modules showed an error floor when tested with the new stressed pat
tern (PRBS -31, sinusoidal + amplitude)
at low power, and 1 at moderate power.
The test pattern seems to be too stringent. (It could be the CR). The details are be
ing worked out.
 TX issues:
Main issues discussed where around the PDT in regards to the OMA

Santa Rosa Presentations:
Serial PMD summary   Piers Dawe   Agilent
Plugfest results summary   Stretch   Agilent
Questions and outstanding items   Tom Lindsay   Stratos
New methodology editing summary   Piers Dawe   Agilent
Return loss clarification   David Kabal   Picolight
Budget calculation   Tom Lindsay   Stratos
To drop Tx and Rx power   Bob Zona   Intel

EFM P2P Dinner Meeting:
During dinner, Vipul Bhatt requested the group's guidance on the EFM P2P 1 lambda v
s. 2 lambda issue.
The group was more in favor of the 2 lambda version.

Straw Poles:

Clarifying Backreflections:
A 1st proposal to clarify the return loss by adding additional rows in the tables,
 did not pass.   Y6 - N5
The second proposal to add a footnote to the table was accepted. Y8 - N0

Transmitter Mask options:
Mask1 got y13 and final y2

Mask 2 got y11 and final y13

Mask 3 got y3

Mask 4 got y4

Next interim meeting
same city as Fibre Channel:
In favor of Vancouver: Y14 N1
Thu-Fri before: Y3
Sun-Mon: Y6
Thu-Fri: Y10
Jonathan will try to arrange for April 11-12

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Rx Sensitivity Test
As is                                                          0
Normative Simple; Informative Unstressed                       12
Normative Simple and Unstressed                                0
Informative Simple & Normative Unstressed + Jitter Tolerance   13
Normative Unstressed + Jitter Tolerance                        13

Rx Sensitivity Test:
Normative Simple with Sine sweep; Informative Unstressed                   13;
15 (7)
Normative Unstressed + No-Edge-Rate-Stressed Jitter Tolerance              9; 1
2 (7)
Normative Simple without Sine sweep + No-Edge-Rate-Stressed Jitter Tolerance    7


MOTIONS:

Motion 1
Move to simplify the stressed Rx sensitivity as a basis for Draft 4.1
(802.3)
Y: 15 (10)
N: 0 (0)
A: 8 (4)
Motion: Tom Lindsay
Second: David Kabal

Motion 2
Use slide 9 of Dawe-1-0202.pdf as the basis for the simplified stressed Rx specifica
tion; modify to add sine wave
electrically (with a note that the addition could also be done optically) for D4.1.
Y: 22
N: 0
A: 6
Motion: Tom Lindsay
Second: Tim Warland

Motion 3
Move that the Tx power and Rx Sensitivity specifications for 10GBASE-E be adjusted d
own by 1 dB to match SONET 40 km
specifications
Change Launch power (min) in OMA minus TDP from "-1.4" dBm to "-2.4" dBm in table 52
-17
Change Receiver sensitivity (max) in OMA from "0.046" mW and "-13.4" dBm to "0.036"
mW and "-14.4" dBm in table 52-18
Change Stressed receiver sensitivity (max) in OMA from "0.093" mW and "-10.3" dBm to
 "0.074" mw and "-11.3" dBm in table
52-18
Moved: Bob Zona Second: Schelto Van Doorn
Y: 11    N: 1          A: 10

Motion 4
Replace the jitter bathtub specification for transmitter and receiver by a combinati
on of eye mask and transmitter and
dispersion penalty (TDP) specification as proposed in DAWE_1_0102.pdf, "Eye mask and
 TDP proposal to replace jitter bathtub."
Moved: David Kabal
Seconded: Steve Joiner
Y: 17
N: 0
A: 11
Motion 5
Adopt optical budget values presented in Swanson_1_0202.
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Moved: Swanson
Seconded: Schelto VanDoorn

Passed by acclamation

Motion 6
For 10GBASE-S, define Transmit and Dispersion Penalty (TDP) as:
TDP (max) = OMA (min) + 7.7 dBm at the respective wavelength and spectral width as s
pecified in Table 52-8
Note: This is intended to make minimal changes (< 0.2 dB) to the existing power spec
ifications

Moved: Piers Dawe
Second: David Kabal

Approved by acclamation
Motion 7
The clause editors are authorized to make editorial changes prior to submission for
Sponsor Ballot recirculation.

Moved: Robert Grow
Second: Schelto Van Doorn

Approved by acclamation

Motion 8
For 10GBASE-L, define Transmit and Dispersion Penalty (TDP) as:
TDP (max) = OMA (min) + 6.4 dB + 0.0036*(lambda - 1310), at the respective wavelengt
h and spectral width as specified in
Table 52-12 where lambda is in nm.
Note: This is intended to make minimal changes (< 0.2 dB) to the existing power spec
ifications

Moved: Piers Dawe
Second: David Kabal

Approved by Acclamation