Reconciliation of comments 69 (by Sudeep Bhoja) and comments 70 and 122 (by Tom Lindsay).

Summary:

These three comments all relate to the 68.6.6.2 Simple stressed receiver sensitivity and overload test (informative). The comments represent two different philosophies on how specify the test signal.

The key philosophical issue is whether the test signal should be described by a specified filter which dominates the system impulse response, or by one parameter of the system impulse response with some tie to the same specified filter to flesh out the other characteristics of the impulse response.

The comments are:

Comment 69 by Sudeep Bhoja:

Table 68- 4 Currently there is a TBD in the Simple stressed receiver test section for the Bandwidth of Bessel- Thomson filter. Per the November & December TP3 conference call discussions on this item, propose that we insert the agreed 2GHz value based on the PIE-D statistics from the adopted fiber model.

Suggested Remedy

Change the TBD for the value of the bandwidth of the Bessel Thomson- filter in Table 68-4 to "2.0"

Comment 70 by Tom Lindsay:

Table 68- 4: We should specify the signal characteristics, not the implementation. *Suggested Remedy*

Per the previous comment, change this line to Rise and fall times, 20- 80% 129 ps Note, per the previous comment, the test description gets specific about the filter response type (Bessel-Thomson) and the background for the value.

Comment 122 by Tom Lindsay:

The informative sensitivity test requires specification of the filter and the final test condition.

Per the next comment, I decided to focus on the signal characteristics, not the Implementation.

Suggested Remedy

1. Remove "" rise/ fall times,"" from line 33.

2. Replace the first sentence of the last paragraph of this sub-clause with its own paragraphs:

The rise and fall times of the test signal shall meet the requirements given in Table 68- 4 and have the approximate time- properties of a 4th Bessel-Thomson filter. The value for the rise and fall times is based on a simplified channel model having a 2 GHz Bessel-Thomson filter and driven by a simplified source model having a

Gaussian impulse response with a step response of 47.1 ps, 20-80%, rise and fall times.

The rise and fall time values are to be measured and calibrated with a 7.5 GHz Bessel-Thomson filter and with the 10 bit pattern used for OMA calibration for the comprehensive stress test.

Other implementations may be used provided that the resulting signal in the optical domain meets the requirements at TP3.

Consensus remedy:

Comment 69 be withdrawn.

Comment 70 be expanded to add a footnote to table 68-4 which adds the information about the signal being consistent with a 2 GHz 4BT filter:

The test signal shall have the approximate time-properties of a 4th-order, 2 GHz 3 dB bandwidth Bessel-Thomson filter.

Re-word comment 122 slightly:

The rise and fall times of the test signal shall meet the requirements given in Table 68-4, and the test signal shall have the approximate time-properties of a 4th-order Bessel-Thomson filter. The value for the rise and fall times is based on a simplified channel model having a 4th-order, 2 GHz 3 dB bandwidth Bessel-Thomson filter driven by a simplified source model comprising an ideal NRZ transmitter followed by a Gaussian filter with a 47.1 ps 20-80% rise/fall time step response.