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То:	T10
Subject:	SCSI cable media performance specifications for Ultra 3 and
	beyond
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Proposal for Framework for specifying a minimum set of SCSI cable media requirements:

1. Transmission line impedance aka: characteristic impedance, impedance, etc.

Add another option to the TDR tests that is based on sll frequency sweep measurement.

Clean up the TDR specification and add more detail on the measurement process (Follow SFF model for TDR measurements)

This requirement will apply only to the transmission line impedance in the cable media well away from the connectors and loads.

2. Attenuation (differential):

Require a spectrum limit mask extending from d.c. to at least 200 MHz for SPI-3:



LOG FREQUENCY

Figure 1 - Attenuation limit mask model

Add measurement details. Purely sinusoidal tests. No defined relationship to actual signals will be attempted at the cable media level.

3. Propagation velocity skew (pair to pair):

differential, 010101..... data pattern, mid point (differential zero crossing defines the time event)

Add measurement details. Budget

4. Capacitance per unit length: C1, C2, C3

Sinusoidal, 10 MHz, assumed frequency independent