

TO: X3T9.2 Committee  
 FROM: D.W. Bill Spence  
 SUBJECT: Proposed New Wording for Terminator Power (Section 7.3)  
 DATE: December 7, 1992

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### 7.3 Terminator Power

Provision shall be made to provide power from one or more sources to the TERMPWR lines of the SCSI bus. This power shall be supplied through a low forward drop diode or similar semiconductor that prevents backflow of power if one of the sources of TERMPWR is powered off.

All terminators independent of location shall be powered from the TERMPWR contact(s). The use of keyed connectors is recommended in SCSI devices.

Regulatory agencies may require limiting maximum (short circuit) current to the terminator power lines. These requirements generally mandate the use of current limiting circuits and may restrict the number of sources provided for TERMPWR utilized.

SCSI devices providing TERMPWR shall have the characteristics defined in table 7. This table does not apply to SCSI-2 A cables.

**Table 7 - Terminator power characteristics**

	TERMPWR Voltage (volts DC)		Minimum TERMPWR Source Current (milliamperes)	Recommended TERMPWR Current Limiting (Amperes)
	Minimum	Maximum		
Single-ended	4,25	5,25	1500	2,0
Differential	4,00	5,25	1000	2,0

SCSI devices shall sink no more than 1,0 mA from TERMPWR and no more than 1,0 mA from TERMPWRB except to power an optional internal terminator.

It is recommended that the terminator power lines be decoupled at each terminator with at least a 2.2 microfarad high-frequency capacitor for the terminator to function properly.