X3T9.2/88-145
Rev 1

AT&T

subject: **Power-on and Reset Response.**

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A) This proposal is in response to an action item from the November working group meeting asking for further definition of document 88-145. The purpose is to recommend a minimum power-up response time as well as a maximum response time to respond in the event of a SCSI bus reset. It is preposed that the following section be added for power-on.

Section 4.9 Initial Power-on Response

Each SCSI device, as it is powered on, should perform appropriate internal reset operations and internal test operations. Once powered on, all controllers that have target capability should be prepared to respond to a selection within a system specific time. It is recommended that this time does not exceed 10 seconds. On selection, the device is recommended to have the ability to return the appropriate status and sense data as described in table 7-52.

It is important to systems which do dynamic configuration on power up that they can expect a response within a known limit. This addition is being recommended with the knowledge that certain SCSI devices presently on the market do not (and cannot) meet this recommended value. However, some devices on the market could have been designed to meet this goal if a recommended value existed in previous standards. It is important to include this note so as to give guidance to future devices developers. This is not a SCSI requirement, but it can give target vendors a feeling that the time of response after power up is an issue to consider.

B) In addition, the following text is proposed to be added to the second paragraph of section 5.2.2 "Reset Condition".

It is recommended that a device be able to respond to a request within 250 milli-seconds following a SCSI bus reset.

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