

TO: John Lohmeyer
 Chairman, X3T9.2

FROM: Peter Johansson

DATE: August 28, 1987

RE: Differentiation of Controller BUSY and LUN BUSY

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 The Colorado Springs discussions about medium not present, medium present but not ready, logical unit ready and so on have prompted me to make the suggestion that SCSI-2 needs the means of differentiating a controller BUSY condition from a LUN BUSY condition. It was clear that some participants historically view the BUSY status as signalling a controller BUSY (e.g. the firmware is occupied) condition while others favor a LUN BUSY (e.g. the medium is becoming ready) interpretation. I suggest that bit 5 of the status byte be utilized to differentiate controller and LUN busy conditions. It is possible that this difference may be applicable to some of the other status values, but I leave that to future discussions.

The following table is submitted as a replacement for Table 6-7 on page 6-9 of Revision 2 of the working draft:

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 Bits of Status Byte

7	6	5	4	3	2	1	0	Status Represented
R	R	R	0	0	0	0	R	GOOD
R	R	R	0	0	0	1	R	CHECK CONDITION
R	R	R	0	0	1	0	R	CONDITION MET/GOOD
R	R	0	0	1	0	0	R	CONTROLLER BUSY
R	R	1	0	1	0	0	R	LUN BUSY
R	R	R	1	0	0	0	R	INTERMEDIATE/GOOD
R	R	R	1	0	1	0	R	INTERMEDIATE/CONDITION MET/GOOD
R	R	R	1	1	0	0	R	RESERVATION CONFLICT

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