TEXAS INSTRUMENTS

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MEMORANDUM

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TO: John Lohmeyer, Chairman X3T9.2

FROM: Bill Spence, Texas Instruments

SUBJECT: CODIFICATION OF TEST-UNIT-READY STATUS RETURNS AND SENSE DATA

According to my understanding, the first premise of this proposal was accepted: namely, that since the TUR command often functions as a quasi-inquiry command, its status and sense data responses should be codified in the command description. We also achieved agreement as to what those responses should be, at least to the extent that everyone gave up arguing any more on the subject. According to my notes, here is the agreed-upon form of the PROPOSAL:

1. In Scn 7.1.10, p 7-35 of Rev 2, delete the last sentence of the first paragraph.

2. Add the following paragraph:

"Preferred target responses to the TEST UNIT READY command are as follows:

Condition	Status	Sense Key	Add'l Sense (By 12)	Sense (By 13)
Logical unit (LU) not supported by target	CHECK	5h	25h	00h
LU does not respond to selection	CHECK	2h	05h	00h
Medium not present in removable-medium LU	CHECK	2h	3Ah	00h
LU not ready, cause not reportable	CHECK	2h	04h	00h
LU not ready, manual intervention required	CHECK	2h	04h	01h
LU not ready, I/F command required	CHECK	2h	04h	02h
LU in progress to becoming ready	CHECK	2h	04h	03h
LU ready	GOOD	0h	00h	00h"

3. (This was not agreed upon at Wichita but is suggested as being desirable) Add the following Implementors Note:

"IMPLEMENTORS NOTE: Some system self-configuring routines are predicated on an immediate response to the TEST UNIT READY command, without disconnect or arbitrary delay."

It is pointed out that this proposal, if adopted, affects the Additional Sense Code tables of essentially all chapters. The wording above for the sense codes used with Sense Key 2h appear to be the most compatible with all uses--or at least, it did in the discussions at Wichita. Accordingly, it is recommended that it be adopted as the basis for the byte 12 or byte 13 codes, as appropriate, in all chapters.