## TEXAS INSTRUMENTS

**D. W. (Bill) Spence**
Member, Group Technical Staff
Computer Systems Division
Data Systems Group

12501 Research Boulevard • PO. Box 2909 • MS 2091 • Austin, Texas 78769
512 250-6627 • Fax 512 250-7479 • TWX 910 867-4702 • Telex 73324

MEMORANDUM

07 May 1989

TO:           John Lohmeyer, Chairman X3T9.2

FROM:         Bill Spence, Texas Instruments

SUBJECT:      REQUEST-SENSE RESPONSE TO SELECTION OF AN INVALID LU


We recently have had the exhilirating experience of listening to a disk
vendor's justification for his utterly unique (in our experience) decision
to return no sense-data bytes but only CHECK status to a REQUEST-SENSE
command to an LU not supported.

The fact that the SCSI-2 draft document, in 6.5.3, prescribes fully the
proper responses for a SCSI-2 target in this condition does not automatic-
ally correct this situation, of course. (Nor, it turns out, do appeals
to the seemingly adequate language in SCSI-1.) But the search of SCSI-2
turned up a slight problem.

The half page of text in 6.5.3 is almost wholly concerned with the appro-
priate INQUIRY and REQUEST SENSE responses to the selection of invalid
LU's. It seems well done to me and is in an appropriate place for this
type of exposition. But the fact that one can read on the REQUEST SENSE
command in vain for this information seems unfortunate.

PROPOSAL

Just before the last paragraph of 7.2.14 on page 7-43 of Rev 8, insert
the following:

"NOTE:  For the case of a REQUEST SENSE command to an invalid LU, see
       6.5.3."

A similar note could be inserted in the INQUIRY command description for
symmetry, but in my opinion the INQUIRY command is self-contained and
adequately clear as is.

I regard this as a purely editorial matter and do NOT request floor debate
on it. I accept in advance the editor's decision--as long, of course, as
he agrees with me. Or even if he doesn't.

203