

Date: July 20, 1994
 To: Mr. John Lohmeyer, Chairman, X3T10
 From: Mr. Ken Cummings, IBM, Tucson
 Subject: Request for a New ASC/ASCQ Code

This request is for a set of ASC/ASCQ codes that describe the actions applicable to data magazines, defined here to be "a removable collection of storage cells". A magazine may be designed for the transportation and storage of tape cartridges or cassettes, or diskettes: optical or magnetic. A magazine may be inserted into, or removed from, a medium changer logical unit. The magazine may be empty, partially full, or completely full, when inserted into or removed from the medium changer logical unit. The medium in the magazine may be used, partially used, or unused when inserted into or removed from the medium changer logical unit. Magazines may be locked or unlocked for loading/ unloading, security, transportation, etc..

These ASC codes are appropriate for a Medium Changer device type. They may also be used in any removable storage medium device type.

- D - Direct Access Device
- . T - Sequential Access Device
- .. L - Printer Device
- ... P - Processor Device
- W - Write Once Read Multiple Device
- R - Read Only (CD-ROM) Device
- S - Scanner Device
- O - Optical Memory Device
- M - Media Changer Device
- C - Communication Device
-

ASC	ASCQ	D	T	L	P	W	R	S	O	M	C	Description
3Bh	11h	D	T			W	R		O	M		MEDIUM MAGAZINE NOT ACCESSIBLE
3Bh	12h	D	T			W	R		O	M		MEDIUM MAGAZINE REMOVED
3Bh	13h	D	T			W	R		O	M		MEDIUM MAGAZINE INSERTED
3Bh	14h	D	T			W	R		O	M		MEDIUM MAGAZINE LOCKED
3Bh	15h	D	T			W	R		O	M		MEDIUM MAGAZINE UNLOCKED

MEDIUM MAGAZINE NOT ACCESSIBLE indicates that the device cannot access the magazine. MEDIUM MAGAZINE REMOVED indicates that the device sensed that the magazine was there and now has been removed, or, the device was asked to access an

address that is within its proper address range, but the magazine is not there at this time. MEDIUM MAGAZINE INSERTED indicates that a magazine that was not installed is now installed. MEDIUM MAGAZINE LOCKED indicates that a lock-able magazine is locked (when it must be unlocked for the command) and MEDIUM MAGAZINE UNLOCKED indicates that a magazine has been asked to perform a command that requires the magazine be locked before executing the command..

Please address your comments to me:

Ken Cummings
KCummings@vnet.ibm.com
(602) 799-2182