Key	Description
2	Not Ready
4	Hardware Error
5	Illegal Request
6	Unit Attention
Bh	Aborted Command

Element Descriptor Exceptions

Emul	ASC	ASQ	Condition
Qual E10e E10i E120	83h --- --- 83h	00h --- --- 00h	Label information is questionable. The volume tag may contain data but this data may not be correct. Note that this exception does not occur on a unit without a bar code reader or in EXABYTE 10e or 10i error emulation.
Qual E10e E10i E120	83h --- --- 83h	01h --- --- 01h	Label error. A label was scanned but was in error. Note that this exception does not occur on a unit without a bar code reader or in EXABYTE 10e or 10i error emulation.
Qual E10e E10i E120	83h 90h 90h 83h	02h 02h 02h 02h	Magazine not present.
Qual E10e E10i E120	83h 90h 90h 83h	03h 03h 03h 03h	Full and label information questionable. The last known data is returned but may not be correct.
Qual E10e E10i E120	83h 83h 83h 83h	04h 04h 04h 04h	Drive not present.
Qual E10e E10i E120	83h 90h 90h 83h	07h 03h 03h 03h	Full information questionable. The last known data is returned but may not be correct. This exception is returned instead of Full and Label information questionable on units without a bar code reader.
Qual E10e E10i E120	83h --- --- 83h	09h --- --- 01h	No label information. The cartridge in this element has no label (or has a label sufficiently damaged that the scanner could not detect its presence). Note that this exception does not occur on a unit with no bar code reader or in EXABYTE 10e or 10i error emulation.
Qual E10e	83h 83h	0Ah 0Ah	Information incomplete due to more than one cartridge in the handlers and/or shuttle. This can only happen on dual-sided

E10i	83h	0Ah	units. The information returned will be for the first full
E120	83h	0Ah	location from: L.H.., R.H.., and ..S..

General							
Emul	Key	ASC	ASQ	C/D	Field	Bit	Error
Qual E10e E120	2	04h	00h				Logical Unit Not Ready, Cause Not Reportable. Operation aborted by operator.
Qual E10e E10i E120	2	04h	01h				Logical Unit Is In Process Of Becoming Ready: I/O Port is busy, Inventory scan in progress, Sequential mode operation in progress.
Qual E10e E10i E120	2 2 2 2	04h 04h 04h 04h	83h 85h 85h 83h				Front Door is open.
Qual E10e E10i E120	2	04h	82h				I/O Port is extended.
Qual E10e E10i E120	4	00h	00h				General unit hardware failure.
Qual E10e E10i E120	5	20h	00h	1	0000h		Invalid Command Operation Code
Qual E10e E10i E120	5	24h	00h	1	????h	?	Invalid Field In CDB. Usually a reserved bit set.
Qual E10e E10i E120	5	25h	00h				Logical Unit Not Supported. A CDB for a LUN other than the configured LUN was received.
Qual E10e E10i E120	5	3Dh	00h				Invalid bits in Identify message.
Qual E10e E10i	6	28h	00h				Not Ready To Ready Transition, Medium May Have Changed.

E120							
Qual E10e E10i E120	6	28h	01h				Import or Export Element Accessed.
Qual E10e E10i E120	6	29h	00h				Power-On reset or Bus Device Reset occurred.
Qual E10e E10i E120	Bh	43h	00h				Message error. Initiator sent an improper message sequence.
Qual E10e E10i E120	Bh	47h	00h				SCSI Parity Error.
Qual E10e E10i E120	Bh	48h	00h				Initiator Detected Error Message Received.
Qual E10e E10i E120	Bh	4Eh	00h				Overlapped commands attempted. The initiator sent a CDB while it was disconnected from a previous CDB.

EXABYTE 120

	Key	ASC	ASQ	C/D	Field	Bit	Error
	6	28h	01h				Not Ready To Ready Transition, Entry/Exit port was extended then retracted.

EXABYTE 4x0

	Key	ASC	ASQ	C/D	Field	Bit	Error
	6	28h	01h				Not Ready To Ready Transition, Entry/Exit port was extended then retracted.

EXCHANGE MEDIUM

Emul	Key	ASC	ASQ	C/D	Field	Bit	Error
Qual E10e E120	2	04h	00h				Logical Unit Not Ready, Cause Not Reportable. No free slot available or operation aborted by operator.
Qual E10e E10i E120	5 5 5 5	21h 24h 24h 21h	01h 80h 80h 01h	1 1 1 1	0002h 0002h 0002h 0002h		Invalid Element Address. Invalid Transport element address.
Qual E10e E10i E120	5 5 5 5	21h 24h 24h 21h	01h 80h 80h 01h	1 1 1 1	0004h 0004h 0004h 0004h		Invalid Element Address. Invalid Source element address.
Qual E10e E10i E120	5 5 5 5	21h 24h 24h 21h	01h 80h 80h 01h	1 1 1 1	0006h 0006h 0006h 0006h		Invalid Element Address. Invalid 1st Destination element address.
Qual E10e E10i E120	5 5 5 5	21h 24h 24h 21h	01h 80h 80h 01h	1 1 1 1	0008h 0008h 0008h 0008h		Invalid Element Address. Invalid 2nd Destination element address.
Qual E10e E120	5	3Bh	0Dh	1	0008h		Medium Destination Element Full. 2nd Destination element full.
Qual E10e E120	5	3Bh	0Eh	1	0004h		Medium Source Element Empty.
Qual E10e E120	5 5 5	3Bh 3Bh 3Bh	90h 83h 83h	1 1 1	0004h 0004h 0004h		Tape is not ejected from drive. Could be Source or 1st Destination.
Qual E10e E120	5 5 5	80h 80h 80h	00h 00h 00h	1 1 1	0006h 0006h 0006h		1st Destination Element empty.
Qual E10e E120	5 5 5	80h 80h 3Bh	01h 01h 80h	1 1 1	0002h 0002h 0002h		Handler full.
Qual E10e E120	5 2 5	80h 04h 80h	03h 86h 03h				Source magazine not installed.

Qual	5	80h	04h				Destination magazine not installed.
E10e	2	04h	86h				
E120	5	80h	04h				
Qual	5	80h	05h				Source Drive not installed.
E10e	5	3Bh	83h				
E120	5	80h	05h				
Qual	5	80h	06h				Destination Drive not installed.
E10e	5	3Bh	84h				
E120	5	80h	06h				
Qual	5	80h	07h	1	0004h		I/O Port access or Import prohibited by
E10e	5	80h	07h	1	0004h		configuration, Attempted use as Source
E120	5	80h	07h	1	0004h		element. (or 1st dest for Import).
Qual	5	80h	07h	1	0006h		I/O Port access or Import/Export prohibited
E10e	5	80h	07h	1	0006h		by configuration, Attempted use as 1st
E120	5	80h	07h	1	0006h		Destination element. (or 2nd for Export)
Qual	5	80h	07h	1	0008h		I/O Port access or Export prohibited by
E10e	5	80h	07h	1	0008h		configuration, Attempted use as 2nd
E120	5	80h	07h	1	0008h		Destination element.

INITIALIZE ELEMENT STATUS							
EXABYTE 210 EXABYTE 4x0							
	Key	ASC	ASQ	C/D	Field	Bit	Error
	5	85h	01h				Configuration Problem: No bar code scanner is installed.

INITIALIZE ELEMENT RANGE with RANGE

Emul	Key	ASC	ASQ	C/D	Field	Bit	Error
Qual E10e E120	5	85h	01h	1	0009h	7	No bar code reader installed.

EXABYTE 120

	Key	ASC	ASQ	C/D	Field	Bit	Error
	5	21h	01h	1	0002h		Invalid Element Address.

EXABYTE 210
EXABYTE 4x0

	Key	ASC	ASQ	C/D	Field	Bit	Error
	5	21h	01h	1	0002h		Invalid Element Address.
	5	85h	01h				Configuration Problem: No bar code scanner is installed.

MODE SELECT

Emul	Key	ASC	ASQ	C/D	Field	Bit	Error
Qual E10e E120	5	1Ah	00h	1	0004h		Parameter List Length Error.
Qual E10e E120	5	26h	00h	0	????h		Invalid Field In Parameter List.
Qual E10e E120	5	26h	00h	0	????h	7	Invalid Field In Parameter List. Save Page bit set on non-savable page.

MODE SENSE

Emul	Key	ASC	ASQ	C/D	Field	Bit	Error
Qual E10e E120	5	24h	00h	1	0002h	5	Invalid Field In CDB. Unsupported page code.

MOVE MEDIUM

Emul	Key	ASC	ASQ	C/D	Field	Bit	Error
Qual	2	04h	00h				Logical Unit Not Ready, Cause Not Reportable.
E10e							No free slot available or operation aborted
E120							by operator.
Qual	5	21h	01h	1	0002h		Invalid Element Address. Invalid Transport
E10e	5	24h	80h	1	0002h		element address.
E10i	5	24h	80h	1	0002h		
E120	5	21h	01h	1	0002h		
Qual	5	21h	01h	1	0004h		Invalid Element Address. Invalid Source
E10e	5	24h	80h	1	0008h		element address.
E10i	5	24h	80h	1	0004h		
E120	5	21h	01h	1	0004h		
Qual	5	21h	01h	1	0006h		Invalid Element Address. Invalid Destination
E10e	5	24h	80h	1	0006h		element address.
E10i	5	24h	80h	1	0006h		
E120	5	21h	01h	1	0006h		
Qual	5	3Bh	0Dh	1	0006h		Medium Destination Element Full.
E10e							
E120							
Qual	5	3Bh	0Eh	1	0004h		Medium Source Element Empty.
E10e							
E120							
Qual	5	3Bh	90h	1	0004h		Tape is not ejected from source drive.
E10e	5	3Bh	83h	1	0004h		
E120	5	3Bh	83h	1	0004h		
Qual	5	53h	02h				Medium Removal Prevented. Entry/Exit
E10e							Port cannot be extended because
E120							medium removal is prevented.
Qual	5	80h	01h	1	0002h		Handler full.
E10e	5	80h	01h	1	0002h		
E120	5	3Bh	80h	1	0002h		
Qual	5	80h	03h				Source magazine not installed.
E10e	2	04h	86h				
E120	5	80h	03h				
Qual	5	80h	04h				Destination magazine not installed.
E10e	2	04h	86h				
E120	5	80h	04h				

Qual	5	80h	05h				Source Drive not installed.
E10e	5	3Bh	83h				
E120	5	80h	05h				
Qual	5	80h	06h				Destination Drive not installed.
E10e	5	3Bh	84h				
E120	5	80h	06h				
Qual	5	80h	07h	1	0004h		I/O Port access or Import prohibited by configuration, Attempted use as Source element.
E10e	5	80h	07h	1	0004h		
E120	5	80h	07h	1	0004h		
Qual	5	80h	07h	1	0006h		I/O Port access or Export prohibited by configuration, Attempted use as Destination element.
E10e	5	80h	07h	1	0006h		
E120	5	80h	07h	1	0006h		
Qual	5	80h	07h	1	000Bh	7	I/O Port access prohibited by configuration. Attempted extension or retraction.
E10e	5	80h	07h	1	000Bh	7	
E120	5	80h	07h	1	000Bh	7	

EXABYTE 10e

	Key	ASC	ASQ	C/D	Field	Bit	Error
	2	04h	86h				Magazine not installed.
	4	3Bh	87h				Could not grab cartridge.
	5	24h	80h	1	0002h		Invalid transport element address.
	5	24h	80h	1	0004h		Invalid source element address.
	5	24h	80h	1	0006h		Invalid destination element address.
	5	3Bh	0Dh				Destination element occupied.
	5	3Bh	0Eh				Source element empty.
	5	3Bh	80h				Gripper occupied.
	5	3Bh	83h				Source CTS door closed.
	5	3Bh	84h				Destination CTS door closed.

EXABYTE 10i

	Key	ASC	ASQ	C/D	Field	Bit	Error
	2	04h	86h				Magazine not installed.
	4	3Bh	87h				Could not grab cartridge.
	5	24h	80h	1	0002h		Invalid transport element address.

5	24h	80h	1	0004h		Invalid source element address.
5	24h	80h	1	0006h		Invalid destination element address.
5	3Bh	0Dh				Destination element occupied.
5	3Bh	0Eh				Source element empty.
5	3Bh	80h				Gripper occupied.
5	3Bh	83h				Source CTS door closed.
5	3Bh	84h				Destination CTS door closed.

EXABYTE 120

Key	ASC	ASQ	C/D	Field	Bit	Error
5	3Bh	0Dh				Destination element occupied.
5	3Bh	0Eh				Source element empty.
5	3Bh	83h				Source CTS door closed.
5	3Bh	84h				Destination CTS door closed.
5	3Bh	85h				Destination cannot be CHM.
5	3Bh	86h				Source cannot be CHM.
5	3Bh	87h				Data cartridge stuck in CTS.
5	53h	02h				Medium Removal Prevented. Entry/Exit Port cannot be extended because medium removal is prevented.
5	53h	80h				Data cartridge in Entry/Exit Port was rejected because it was incorrectly loaded.
5	80h	03h				Source ten-pack not installed.
5	80h	04h				Destination ten-pack not installed.
5	80h	05h				Source CTS not installed.
5	80h	06h				Destination CTS not installed.

EXABYTE 210
EXABYTE 4x0

Key	ASC	ASQ	C/D	Field	Bit	Error

	5	3Bh	0Dh				Destination element occupied.
	5	3Bh	0Eh				Source element empty.
	5	3Bh	85h				Destination cannot be CHM.
	5	3Bh	86h				Source cannot be CHM.
	5	3Bh	87h				Data cartridge stuck in CTS.
	5	80h	03h				Source magazine not installed.
	5	80h	04h				Destination magazine not installed.
	5	80h	05h				Source CTS not installed.
	5	80h	06h				Destination CTS not installed.

POSITION TO ELEMENT

Emul	Key	ASC	ASQ	C/D	Field	Bit	Error
Qual	5	21h	01h	1	0002h		Invalid Element Address. Invalid Transport element address.
E10e	5	24h	80h	1	0002h		
E10i	5	24h	80h	1	0002h		
E120	5	21h	01h	1	0002h		
Qual	5	21h	01h	1	0004h		Invalid Element Address. Invalid Destination element address.
E10e	5	24h	80h	1	0004h		
E10i	5	24h	80h	1	0004h		
E120	5	21h	01h	1	0004h		

EXABYTE 10e

Key	ASC	ASQ	C/D	Field	Bit	Error
5	24h	80h	1	0002h		Invalid Transport element address.
5	24h	80h	1	0004h		Invalid Destination element address.
5	3Bh	85h				Requested a park with gripper full.
5	3Bh	86h				Requested a CTS with gripper full and CTS door closed.

EXABYTE 10i

Key	ASC	ASQ	C/D	Field	Bit	Error
5	24h	80h	1	0002h		Invalid transport element address.
5	24h	80h	1	0004h		Invalid destination element address.
5	3Bh	85h				Requested a park with gripper full and CTS door open.
5	3Bh	86h				Requested a CTS with gripper full and CTS door closed.

EXABYTE 120

Key	ASC	ASQ	C/D	Field	Bit	Error
5	21h	01h	1	0002h		Invalid Element Address. Invalid Transport element address.
5	21h	01h	1	0004h		Invalid Element Address. Invalid Destination element address.

	5	80h	04h				Destination ten-pack not installed.
	5	80h	06h				Destination CTS not installed.

EXABYTE 210
EXABYTE 4x0

	Key	ASC	ASQ	C/D	Field	Bit	Error
	5	21h	01h	1	0002h		Invalid Element Address. Invalid Transport element address.
	5	21h	01h	1	0004h		Invalid Element Address. Invalid Destination element address.
	5	80h	04h				Destination ten-pack not installed.
	5	80h	06h				Destination CTS not installed.

READ ELEMENT STATUS

EXABYTE 10e

	Key	ASC	ASQ	C/D	Field	Bit	Error
	5	21h	01h	1	0002h		Invalid Element Address. Invalid Starting element address.

EXABYTE 120

	Key	ASC	ASQ	C/D	Field	Bit	Error
	5	21h	01h	1	0002h		Invalid Element Address. Invalid Starting element address.

EXABYTE 210
EXABYTE 4x0

	Key	ASC	ASQ	C/D	Field	Bit	Error
	5	21h	01h	1	0002h		Invalid Element Address. Invalid Starting element address.

REQUEST VOLUME ELEMENT ADDRESS							
Emul	Key	ASC	ASQ	C/D	Field	Bit	Error
Qual E10e E120	5	2Ch	00h				Command Sequence Error. The last SEND VOLUME TAG was not a FIND action or no previous SEND VOLUME TAG command has been executed.
EXABYTE 210 EXABYTE 4x0							
	Key	ASC	ASQ	C/D	Field	Bit	Error
	5	85h	01h				Configuration Problem: No bar code scanner is installed.

RESERVE

Emul	Key	ASC	ASQ	C/D	Field	Bit	Error
Qual E10e E120	5	1Ah	00h	1	0003h		Parameter List Length Error.
Qual E10e E120	5	26h	00h	0	????h		Invalid Field In Parameter List. Reserved field set.
Qual E10e E120	5	26h	02h	0	????h		Parameter Value Invalid. Invalid elment address.

EXABYTE 10e

	Key	ASC	ASQ	C/D	Field	Bit	Error
	5	1Ah	00h	1	0003h		Parameter List Length Error.
	5	26h	00h	0	????h		Invalid Field In Parameter List. Reserved field set.
	5	26h	02h	0	????h		Parameter Value Invalid. Invalid elment address, or overlapped element addresses.

EXABYTE 10i

	Key	ASC	ASQ	C/D	Field	Bit	Error
	5	1Ah	00h	1	0003h		Parameter List Length Error.
	5	26h	00h	0	????h		Invalid Field In Parameter List. Reserved field set.
	5	26h	02h	0	????h		Parameter Value Invalid. Invalid elment address, or overlapped element addresses.

EXABYTE 120

	Key	ASC	ASQ	C/D	Field	Bit	Error
	5	1Ah	00h	1	0003h		Parameter List Length Error.
	5	26h	00h	0	????h		Invalid Field In Parameter List. Reserved field set.
	5	26h	02h	0	????h		Parameter Value Invalid. Invalid elment address, or overlapped element addresses.

EXABYTE 210
EXABYTE 4x0

	Key	ASC	ASQ	C/D	Field	Bit	Error
	5	1Ah	00h	1	0003h		Parameter List Length Error.
	5	26h	00h	0	????h		Invalid Field In Parameter List. Reserved field set.
	5	26h	02h	0	????h		Parameter Value Invalid. Invalid elment address, or overlapped element addresses.

SEND DIAGNOSTIC

Emul Qual E10e E120	Key	ASC	ASQ	C/D	Field	Bit	Error

EXABYTE 10e
EXABYTE 120
EXABYTE 210
EXABYTE 4x0

	Key	ASC	ASQ	C/D	Field	Bit	Error

SEND VOLUME TAG

Emul	Key	ASC	ASQ	C/D	Field	Bit	Error
Qual E10e E120	5	1Ah	00h	1	0008h		Parameter List Length Error.
Qual E10e E10i E120	5 5 5 5	21h 24h 24h 21h	01h 80h 80h 01h	1 1 1 1	0002h 0002h 0002h 0002h		Invalid Element Address. Invalid Starting element address.
Qual E10e E120	5	3Ah	00h	1	0002h		Medium Not Present. An ASSERT, REPLACE or UNDEFINE action was attempted on an empty element.

EXABYTE 120

	Key	ASC	ASQ	C/D	Field	Bit	Error
	5	1Ah	00h	1	0008h		Parameter List Length Error.
	5	21h	01h	1	0002h		Invalid Element Address. Invalid Starting element address.

EXABYTE 210
EXABYTE 4x0

	Key	ASC	ASQ	C/D	Field	Bit	Error
	5	1Ah	00h	1	0008h		Parameter List Length Error.
	5	21h	01h	1	0002h		Invalid Element Address. Invalid Starting element address.
	5	85h	01h				Configuration Problem: No bar code scanner is installed.

WRITE BUFFER							
Emul	Key	ASC	ASQ	C/D	Field	Bit	Error
Qual E10e E120	4 4 4	3Fh 3Fh 3Fh	80h 80h 80h				Flash prom programming error.
Qual E10e E120	5	26h 	02h 	0	0000h 		Parameter Value Invalid. Bad firmware data packet.