

Last Status of Physical Drives

Example for SCSI protocol Last Status (used by parallel SCSI and Fibre channel devices):

e. g. 0X24007005

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| | | | |
| | | | | -- 05 = SCSI-Sense key sense code / ICP Firmware Code
| | | | |
| | | | | -- 70 or 71 = SCSI-Sense Code (message from SCSI device)
| | | | | 01 = ICP Firmware Message (message from controller)
| | | | | 00 = SCSI Status (status of SCSI device)
| | | | |
| | | | | -- 00 = SCSI-ASCQ (Additional Sense Code Qualifier)
| | | | |
| | | | | -- 24 = SCSI-ASC (Additional Sense Code)
| | | | |
| | | | | -- 0x = indicates hex format

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Example for non SCSI devices (used by SATA devices)

e. g. 0XFFFF7003

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| | | | |
| | | | | -- 7003 = device medium error
| | | | |
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| | | | | -- FFFF = identifies non SCSI error (used for SATA devices)
| | | | |
| | | | | -- 0x = indicates hex format

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SCSI Status of the Device according to SCSI-II Specification

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0x00000000 STATUS GOOD
0x00000002 CHECK CONDITION - not correct processed command
0x00000004 CONDITION MET - requested operation was necessary
0x00000005 ILLEGAL REQUEST - internal device error after CHECK CONDITION
0x00000006 Combination of 0x00000002 and 0x00000004
0x00000008 SCSI Device is BUSY - the last command was not accepted
                (after 3-5 retries, no delay between retries)
                (hard disks usually do not send BUSY)
0x0000000C Drive not Ready
0x0000000D Medium Fehler
0x00000010 INTERMEDIATE - a command in a series of linked commands
0x00000014 INTERMEDIATE_CONDITION MET - comb. of INT. a. COND.
0x00000018 RESERVATION_CONFLICT - device reserved by other initiator
0x00000022 COMMAND_TERMINATED - SCSI command terminated by device
0x00000028 QUEUE_FULL - Tagged Queue list full

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ICP Firmware Message Code

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0x00000100 NO_VALID_RESULT
0x00000101 DRIVER_ERROR - internal error in SCSI kernel
0x00000102 UNEXPECTED_PHASE - change between command- and dataphase
0x00000103 UNEXPECTED_MESSAGE - vendor specific

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0x00000104 INCOMPLETE_MESSAGE
0x00000105 GROSS_ERROR - int. SIOP error (Sync Transfer: FIFO full)
0x00000106 PHASE_MISMATCH
0x00000107 SELECTION_TIMEOUT - reset: 250 msec, power on: 10 sec
0x00000108 UNEXPECTED_DISCONNECT
0x00000109 BUS_RESET - reset on SCSI bus, origin unknown
0x0000010A PARITY_ERROR
0x0000010B ABORT_CONDITION
0x0000010B WATCHDOG_TIMEOUT
0x0000010C ABORT_CONDITION
0x0000010D ILLEGAL_INSTRUCTION
0x0000010E TARGET_RESET
0x0000010F DISCONNECT_TIMEOUT - 30 sec (turn Disconnect OFF)
0x00000110 CONNECT_TIMEOUT - SIOP longer than 10 sec on SCSI bus
0x00000111 LUN_FAILURE
0x00000112 LINK_FAILURE
0x00000113 DMA_PARITY_ERROR - DMA error on internal PCI bus of GDT-Rx
0x00000114 DMA_BUS_FAULT - PCI bus fault on internal PCI bus of GDT-Rx
0x00000115 FC_MEM_ERROR - not enough memory for Fibre Channel 'P-channel'
(internal error)
0x00000116 FC_BUSY_TIMEOUT - FC-I/O's in command queue are canceled because of
a timeout
0x00000117 FC_LINK_ERROR - Physical Error und Fibre Channel (e.g. loop is open
or cable defective)
0x00000118 FC_IO_PARAM_ERROR - Inconsistencies in FC-I/O parameters
0x00000119 SBMC_DETECTED - SCSI Bus Mode Change occurred (only 53C895 LVDS SCSI
chip)
0x0000011A SBMC_TIMEOUT - after SCSI Mode Change the SCSI bus does not run
stable (only 53C895 LVDS)
0x0000011B DATA_OVERRUN_ERROR
0x0000011C SCSI_TRANSPORT_MODE_CHANGE
0x0000011D SGL_SIZE_EXCEEDED
0x0000011E DATA_UNDERRUN_ERROR
0x0000011F SGL_ELEMENT_SIZE_EXCEEDED
0x00000120 PASSIVE_BUS_RESET - aborted I/O due to SCSI bus reset, not caused
this I/O

0xFFFF???? identifies non SCSI error (used for SATA devices)
0xFFFF7003 device medium error on non-SCSI device (e.g. SATA disk)

SCSI Sense Key and Sense Code Definitions (according SCSI-II Spec.)

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- 0h NO SENSE. Indicates that there is no specific sense key information to be reported for the designated logical unit. This would be the case for a successful command or a command that received CHECK CONDITION or COMMAND TERMINATED status because one of the filemark, EOM, or ILI bits is set to one.
- 1h RECOVERED ERROR. Indicates that the last command completed successfully with some recovery action performed by the target. Details may be determinable by examining the additional sense bytes and the information field. When multiple recovered errors occur during one command, the choice of which error to report (first, last, most severe, etc.) is device specific.
- 2h NOT READY. Indicates that the logical unit addressed cannot be accessed. Operator intervention may be required to correct this condition.
- 3h MEDIUM ERROR. Indicates that the command terminated with a non recovered error condition that was probably caused by a flaw in the medium or an error in the recorded data. This sense key may also be returned if the target is unable to distinguish

- between a flaw in the medium and a specific hardware failure (sense key 4h)
- 4h **HARDWARE ERROR.** Indicates that the target detected a non-recoverable hardware failure (for example, controller failure, device failure, parity error, etc.) while performing the command or during a self test.
- 5h **ILLEGAL REQUEST.** Indicates that there was an illegal parameter in the command descriptor block or in the additional parameters supplied as data for some commands (FORMAT UNIT, SEARCH DATA, etc.). If the target detects an invalid parameter in the command descriptor block, then it shall terminate the command without altering the medium. If the target detects an invalid parameter in the additional parameters supplied as data, then the target may have already altered the medium. This sense key may also indicate that an invalid IDENTIFY message was received (6.6.7).
- 6h **UNIT ATTENTION.** Indicates that the removable medium may have been changed or the target has been reset. See 7.9 for more detailed information about the unit attention condition.
- 7h **DATA PROTECT.** Indicates that a command that reads or writes the medium was attempted on a block that is protected from this operation. The read or write operation is not performed.
- 8h **BLANK CHECK.** Indicates that a write-once device or a sequential access device encountered blank medium or format-defined end-of-data indication while reading or a write-once device encountered a non-blank medium while writing.
- 9h **VENDOR-SPECIFIC.** This sense key is available for reporting vendor specific conditions.
- Ah **COPY ABORTED.** Indicates a COPY, COMPARE, or COPY AND VERIFY command was aborted due to an error condition on the source device, the destination device, or both. (See 8.2.3.2 for additional information about this sense key.)
- Bh **ABORTED COMMAND.** Indicates that the target aborted the command. The initiator may be able to recover by trying the command again.
- Ch **EQUAL.** Indicates a SEARCH DATA command has satisfied an equal comparison.
- Dh **VOLUME OVERFLOW.** Indicates that a buffered peripheral device has reached the end-of-partition and data may remain in the buffer that has not been written to the medium. A RECOVER BUFFERED DATA command(s) may be issued to read the unwritten data from the buffer.
- Eh **MISCOMPARE.** Indicates that the source data did not match the data read from the medium.
- Fh **RESERVED.**

ASC and ASCQ assignments

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 (new - includes SCSI-III messages!)

- D- DIRECT ACCESS DEVICE (SBC) Device Column key
- . T - SEQUENTIAL ACCESS DEVICE (SSC) blank = code not used
- . . L - PRINTER DEVICE (SSC) not blank = code used
- . . P- PROCESSOR DEVICE (SPC)
- . . . W- WRITE ONCE READ MULTIPLE DEVICE (SBC)
- . . . R- CD DEVICE (MMC)
- . . . S- SCANNER DEVICE (SCSI-2)
- O- OPTICAL MEMORY DEVICE (SBC)
- M- MEDIA CHANGER DEVICE (SMC)
- C - COMMUNICATION DEVICE (SSC)

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 A- STORAGE ARRAY DEVICE (SCC)
 E- ENCLOSURE SERVICES DEVICE (SES)
 B- SIMPLIFIED DIRECT-ACCESS DEVICE (RBC)

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ASC	ASCQ	D	T	L	PWR	S	OMC	A	E	B	Description
00	00	D	T	L	PWR	S	OMC	A	E	B	NO ADDITIONAL SENSE INFORMATION
00	01		T								FILEMARK DETECTED
00	02		T	S							END- OF- PARTITION/MEDIUM DETECTED
00	03		T								SETMARK DETECTED
00	04		T			S					BEGINNING- OF- PARTITION/MEDIUM DETECTED
00	05		T	L		S					END- OF- DATA DETECTED
00	06	D	T	L	PWR	S	OMC	A	E	B	I/O PROCESS TERMINATED
00	11				R						AUDIO PLAY OPERATION IN PROGRESS
00	12				R						AUDIO PLAY OPERATION PAUSED
00	13				R						AUDIO PLAY OPERATION SUCCESSFULLY COMPLETED
00	14				R						AUDIO PLAY OPERATION STOPPED DUE TO ERROR
00	15				R						NO CURRENT AUDIO STATUS TO RETURN
00	16	D	T	L	PWR	S	OMC	A	E	B	OPERATION IN PROGRESS
00	17	D	T	L	WR	S	OM	A	E	B	CLEANING REQUESTED
01	00	D			W	0				B	NO INDEX/SECTOR SIGNAL
02	00	D			WR	OM				B	NO SEEK COMPLETE
03	00	D	T	L	W	S	0			B	PERIPHERAL DEVICE WRITE FAULT
03	01		T								NO WRITE CURRENT
03	02		T								EXCESSIVE WRITE ERRORS
04	00	D	T	L	PWR	S	OMC	A	E	B	LOGICAL UNIT NOT READY, CAUSE NOT REPORTABLE
04	01	D	T	L	PWR	S	OMC	A	E	B	LOGICAL UNIT IS IN PROCESS OF BECOMING READY
04	02	D	T	L	PWR	S	OMC	A	E	B	LOGICAL UNIT NOT READY, INITIALIZING CMD. REQUIRED
04	03	D	T	L	PWR	S	OMC	A	E	B	LOGICAL UNIT NOT READY, MANUAL INTERVENTION REQUIRED
04	04	D	T	L		0				B	LOGICAL UNIT NOT READY, FORMAT IN PROGRESS
04	05	D	T		W	OMC	A			B	LOGICAL UNIT NOT READY, REBUILD IN PROGRESS
04	06	D	T		W	OMC	A			B	LOGICAL UNIT NOT READY, RECALCULATION IN PROGRESS
04	07	D	T	L	PWR	S	OMC	A	E	B	LOGICAL UNIT NOT READY, OPERATION IN PROGRESS
04	08				R						LOGICAL UNIT NOT READY, LONG WRITE IN PROGRESS
05	00	D	T	L	WR	S	OMC	A	E	B	LOGICAL UNIT DOES NOT RESPOND TO SELECTION
06	00	D			WR	OM				B	NO REFERENCE POSITION FOUND
07	00	D	T	L	WR	S	OM			B	MULTIPLE PERIPHERAL DEVICES SELECTED
08	00	D	T	L	WR	S	OMC	A	E	B	LOGICAL UNIT COMMUNICATION FAILURE
08	01	D	T	L	WR	S	OMC	A	E	B	LOGICAL UNIT COMMUNICATION TIME- OUT
08	02	D	T	L	WR	S	OMC	A	E	B	LOGICAL UNIT COMMUNICATION PARITY ERROR
08	03	D	T	R		OM				B	LOGICAL UNIT COMMUNICATION CRC ERROR (ULTRA- DMA/32)
09	00	D	T		WR	0				B	TRACK FOLLOWING ERROR
09	01				WR	0					TRACKING SERVO FAILURE
09	02				WR	0					FOCUS SERVO FAILURE
09	03				WR	0					SPINDLE SERVO FAILURE
09	04	D	T		WR	0				B	HEAD SELECT FAULT
0A	00	D	T	L	PWR	S	OMC	A	E	B	ERROR LOG OVERFLOW
0B	00	D	T	L	PWR	S	OMC	A	E	B	WARNING
0B	01	D	T	L	PWR	S	OMC	A	E	B	WARNING - SPECIFIED TEMPERATURE EXCEEDED
0B	02	D	T	L	PWR	S	OMC	A	E	B	WARNING - ENCLOSURE DEGRADED
0C	00		T		R	S					WRITE ERROR
0C	01										WRITE ERROR - RECOVERED WITH AUTO REALLOCATION
0C	02	D			W	0				B	WRITE ERROR - AUTO REALLOCATION FAILED
0C	03	D			W	0				B	WRITE ERROR - RECOMMEND REASSIGNMENT
0C	04	D	T		W	0				B	COMPRESSION CHECK MISCOMPARE ERROR
0C	05	D	T		W	0				B	DATA EXPANSION OCCURRED DURING COMPRESSION
0C	06	D	T		W	0				B	BLOCK NOT COMPRESSIBLE
0C	07				R						WRITE ERROR - RECOVERY NEEDED
0C	08				R						WRITE ERROR - RECOVERY FAILED
0C	09				R						WRITE ERROR - LOSS OF STREAMING
0C	0A				R						WRITE ERROR - PADDING BLOCKS ADDED
0D	00										

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1C	01	D		0	B	PRIMARY DEFECT LIST NOT FOUND						
1C	02	D		0	B	GROWN DEFECT LIST NOT FOUND						
1D	00	D	T	W	0	B MISCOMPARE DURING VERIFY OPERATION						
1E	00	D		W	0	B RECOVERED ID WITH ECC CORRECTION						
1F	00	D			0	PARTIAL DEFECT LIST TRANSFER						
20	00	D	T	L	PWR	S	OMC	A	E	B	INVALID COMMAND OPERATION CODE	
21	00	D	T		WR		OM				B	LOGICAL BLOCK ADDRESS OUT OF RANGE
21	01	D	T		WR		OM				B	INVALID ELEMENT ADDRESS
22	00	D										ILLEGAL FUNCTION (USE 20 00, 24 00, OR 26 00)
23	00											
24	00	D	T	L	PWR	S	OMC	A	E	B	INVALID FIELD IN CDB	
25	00	D	T	L	PWR	S	OMC	A	E	B	LOGICAL UNIT NOT SUPPORTED	
26	00	D	T	L	PWR	S	OMC	A	E	B	INVALID FIELD IN PARAMETER LIST	
26	01	D	T	L	PWR	S	OMC	A	E	B	PARAMETER NOT SUPPORTED	
26	02	D	T	L	PWR	S	OMC	A	E	B	PARAMETER VALUE INVALID	
26	03	D	T	L	PWR	S	OMC	A	E		THRESHOLD PARAMETERS NOT SUPPORTED	
26	04	D	T	L	PWR	S	OMC	A	E	B	INVALID RELEASE OF ACTIVE PERSISTENT RESERVATION	
27	00	D	T		W		0				B	WRITE PROTECTED
27	01	D	T		W		0				B	HARDWARE WRITE PROTECTED
27	02	D	T		W		0				B	LOGICAL UNIT SOFTWARE WRITE PROTECTED
27	03			T								ASSOCIATED WRITE PROTECT
27	04			T								PERSISTENT WRITE PROTECT
27	05			T								PERMANENT WRITE PROTECT
28	00	D	T	L	PWR	S	OMC	A	E	B	NOT READY TO READY CHANGE, MEDIUM MAY HAVE CHANGED	
28	01	D	T		WR		OM				B	IMPORT OR EXPORT ELEMENT ACCESSED
29	00	D	T	L	PWR	S	OMC	A	E	B	POWER ON, RESET, OR BUS DEVICE RESET OCCURRED	
29	01	D	T	L	PWR	S	OMC	A	E	B	POWER ON OCCURRED	
29	02	D	T	L	PWR	S	OMC	A	E	B	SCSI BUS RESET OCCURRED	
29	03	D	T	L	PWR	S	OMC	A	E	B	BUS DEVICE RESET FUNCTION OCCURRED	
29	04	D	T	L	PWR	S	OMC	A	E	B	DEVICE INTERNAL RESET	
29	05	D	T	L	PWR	S	OMC	A	E	B	TRANSCEIVER MODE CHANGED TO SINGLE-ENDED	
29	06	D	T	L	PWR	S	OMC	A	E	B	TRANSCEIVER MODE CHANGED TO LVD	
2A	00	D	T	L	WR	S	OMC	A	E	B	PARAMETERS CHANGED	
2A	01	D	T	L	WR	S	OMC	A	E	B	MODE PARAMETERS CHANGED	
2A	02	D	T	L	WR	S	OMC	A	E		LOG PARAMETERS CHANGED	
2A	03	D	T	L	PWR	S	OMC	A	E		RESERVATIONS PREEMPTED	
2B	00	D	T	L	PWR	S	O	C				COPY CANNOT EXECUTE SINCE HOST CANNOT DISCONNECT
2C	00	D	T	L	PWR	S	OMC	A	E	B	COMMAND SEQUENCE ERROR	
2C	01					S						TOO MANY WINDOWS SPECIFIED
2C	02					S						INVALID COMBINATION OF WINDOWS SPECIFIED
2C	03				R							CURRENT PROGRAM AREA IS NOT EMPTY
2C	04				R							CURRENT PROGRAM AREA IS EMPTY
2D	00			T								OVERWRITE ERROR ON UPDATE IN PLACE
2E	00											
2F	00	D	T	L	PWR	S	OMC	A	E	B	COMMANDS CLEARED BY ANOTHER INITIATOR	
30	00	D	T		WR		OM				B	INCOMPATIBLE MEDIUM INSTALLED
30	01	D	T		WR		0				B	CANNOT READ MEDIUM - UNKNOWN FORMAT
30	02	D	T		WR		0				B	CANNOT READ MEDIUM - INCOMPATIBLE FORMAT
30	03	D	T									CLEANING CARTRIDGE INSTALLED
30	04	D	T		WR		0				B	CANNOT WRITE MEDIUM - UNKNOWN FORMAT
30	05	D	T		WR		0				B	CANNOT WRITE MEDIUM - INCOMPATIBLE FORMAT
30	06	D	T		W		0				B	CANNOT FORMAT MEDIUM - INCOMPATIBLE MEDIUM
30	07	D	T	L	WR	S	OM	A	E	B	CLEANING FAILURE	
30	08				R							CANNOT WRITE - APPLICATION CODE MISMATCH
30	09				R							CURRENT SESSION NOT FIXATED FOR APPEND
31	00	D	T		WR		0				B	MEDIUM FORMAT CORRUPTED
31	01	D		L	R		0				B	FORMAT COMMAND FAILED
32	00	D			W		0				B	NO DEFECT SPARE LOCATION AVAILABLE
32	01	D			W		0				B	DEFECT LIST UPDATE FAILURE
33	00			T								TAPE LENGTH ERROR
34	00	D	T	L	PWR	S	OMC	A	E	B	ENCLOSURE FAILURE	
35	00	D	T	L	PWR	S	OMC	A	E	B	ENCLOSURE SERVICES FAILURE	
35	01	D	T	L	PWR	S	OMC	A	E	B	UNSUPPORTED ENCLOSURE FUNCTION	

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35	02	D	T	L	PWR	S	OMC	A	E	B	ENCLOSURE SERVICES UNAVAILABLE
35	03	D	T	L	PWR	S	OMC	A	E	B	ENCLOSURE SERVICES TRANSFER FAILURE
35	04	D	T	L	PWR	S	OMC	A	E	B	ENCLOSURE SERVICES TRANSFER REFUSED
36	00			L							RIBBON, INK, OR TONER FAILURE
37	00	D	T	L	WR	S	OMC	A	E	B	ROUNDED PARAMETER
38	00										
39	00	D	T	L	WR	S	OMC	A	E		SAVING PARAMETERS NOT SUPPORTED
3A	00	D	T	L	WR	S	OM			B	MEDIUM NOT PRESENT
3A	01	D	T		WR		OM			B	MEDIUM NOT PRESENT - TRAY CLOSED
3A	02	D	T		WR		OM			B	MEDIUM NOT PRESENT - TRAY OPEN
3B	00			T	L						SEQUENTIAL POSITIONING ERROR
3B	01			T							TAPE POSITION ERROR AT BEGINNING- OF- MEDIUM
3B	02			T							TAPE POSITION ERROR AT END- OF- MEDIUM
3B	03				L						TAPE OR ELECTRONIC VERTICAL FORMS UNIT NOT READY
3B	04				L						SLEW FAILURE
3B	05				L						PAPER JAM
3B	06				L						FAILED TO SENSE TOP- OF- FORM
3B	07				L						FAILED TO SENSE BOTTOM- OF- FORM
3B	08			T							REPOSITION ERROR
3B	09					S					READ PAST END OF MEDIUM
3B	0A					S					READ PAST BEGINNING OF MEDIUM
3B	0B					S					POSITION PAST END OF MEDIUM
3B	0C			T		S					POSITION PAST BEGINNING OF MEDIUM
3B	0D	D	T		WR		OM			B	MEDIUM DESTINATION ELEMENT FULL
3B	0E	D	T		WR		OM			B	MEDIUM SOURCE ELEMENT EMPTY
3B	0F				R						END OF MEDIUM REACHED
3B	11	D	T		WR		OM			B	MEDIUM MAGAZINE NOT ACCESSIBLE
3B	12	D	T		WR		OM			B	MEDIUM MAGAZINE REMOVED
3B	13	D	T		WR		OM			B	MEDIUM MAGAZINE INSERTED
3B	14	D	T		WR		OM			B	MEDIUM MAGAZINE LOCKED
3B	15	D	T		WR		OM			B	MEDIUM MAGAZINE UNLOCKED
3B	16				R						MECHANICAL POSITIONING OR CHANGER ERROR
3C	00										
3D	00	D	T	L	PWR	S	OMC	A	E		INVALID BITS IN IDENTIFY MESSAGE
3E	00	D	T	L	PWR	S	OMC	A	E	B	LOGICAL UNIT HAS NOT SELF- CONFIGURED YET
3E	01	D	T	L	PWR	S	OMC	A	E	B	LOGICAL UNIT FAILURE
3E	02	D	T	L	PWR	S	OMC	A	E	B	TIMEOUT ON LOGICAL UNIT
3F	00	D	T	L	PWR	S	OMC	A	E	B	TARGET OPERATING CONDITIONS HAVE CHANGED
3F	01	D	T	L	PWR	S	OMC	A	E	B	MICROCODE HAS BEEN CHANGED
3F	02	D	T	L	PWR	S	OMC			B	CHANGED OPERATING DEFINITION
3F	03	D	T	L	PWR	S	OMC	A	E	B	INQUIRY DATA HAS CHANGED
3F	04	D	T		WR		OMC	A	E	B	COMPONENT DEVICE ATTACHED
3F	05	D	T		WR		OMC	A	E	B	DEVICE IDENTIFIER CHANGED
3F	06	D	T		WR		OMC	A	E	B	REDUNDANCY GROUP CREATED OR MODIFIED
3F	07	D	T		WR		OMC	A	E	B	REDUNDANCY GROUP DELETED
3F	08	D	T		WR		OMC	A	E	B	SPARE CREATED OR MODIFIED
3F	09	D	T		WR		OMC	A	E	B	SPARE DELETED
3F	0A	D	T		WR		OMC	A	E	B	VOLUME SET CREATED OR MODIFIED
3F	0B	D	T		WR		OMC	A	E	B	VOLUME SET DELETED
3F	0C	D	T		WR		OMC	A	E	B	VOLUME SET DEASSIGNED
3F	0D	D	T		WR		OMC	A	E	B	VOLUME SET REASSIGNED
40	00	D									RAM FAILURE (SHOULD USE 40 NN)
40	NN	D	T	L	PWR	S	OMC	A	E	B	DIAGNOSTIC FAILURE ON COMPONENT NN (80H- FFH)
41	00	D									DATA PATH FAILURE (SHOULD USE 40 NN)
42	00	D									POWER- ON OR SELF- TEST FAILURE (SHOULD USE 40 NN)
43	00	D	T	L	PWR	S	OMC	A	E	B	MESSAGE ERROR
44	00	D	T	L	PWR	S	OMC	A	E	B	INTERNAL TARGET FAILURE
45	00	D	T	L	PWR	S	OMC	A	E	B	SELECT OR RESELECT FAILURE
46	00	D	T	L	PWR	S	OMC			B	UNSUCCESSFUL SOFT RESET
47	00	D	T	L	PWR	S	OMC	A	E	B	SCSI PARITY ERROR
48	00	D	T	L	PWR	S	OMC	A	E	B	INITIATOR DETECTED ERROR MESSAGE RECEIVED
49	00	D	T	L	PWR	S	OMC	A	E	B	INVALID MESSAGE ERROR
4A	00	D	T	L	PWR	S	OMC	A	E	B	COMMAND PHASE ERROR

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4B 00 D T L PWR S OMC A E B DATA PHASE ERROR
4C 00 D T L PWR S OMC A E B LOGICAL UNIT FAILED SELF-CONFIGURATION
4D NN D T L PWR S OMC A E B TAGGED OVERLAPPED COMMANDS (NN = QUEUE TAG)
4E 00 D T L PWR S OMC A E B OVERLAPPED COMMANDS ATTEMPTED
4F 00
50 00 T WRITE APPEND ERROR
50 01 T WRITE APPEND POSITION ERROR
50 02 T POSITION ERROR RELATED TO TIMING
51 00 T 0 ERASE FAILURE
52 00 T CARTRIDGE FAULT
53 00 D T L WR S OM B MEDIA LOAD OR EJECT FAILED
53 01 T UNLOAD TAPE FAILURE
53 02 D T WR OM B MEDIUM REMOVAL PREVENTED
54 00 P SCSI TO HOST SYSTEM INTERFACE FAILURE
55 00 P SYSTEM RESOURCE FAILURE
55 01 D 0 B SYSTEM BUFFER FULL
56 00
57 00 R UNABLE TO RECOVER TABLE-OF-CONTENTS
58 00 0 GENERATION DOES NOT EXIST
59 00 0 UPDATED BLOCK READ
5A 00 D T L PWR S OM B OPERATOR REQUEST OR STATE CHANGE INPUT
5A 01 D T WR OM B OPERATOR MEDIUM REMOVAL REQUEST
5A 02 D T W 0 A B OPERATOR SELECTED WRITE PROTECT
5A 03 D T W 0 A B OPERATOR SELECTED WRITE PERMIT
5B 00 D T L PWR S OM LOG EXCEPTION
5B 01 D T L PWR S OM THRESHOLD CONDITION MET
5B 02 D T L PWR S OM LOG COUNTER AT MAXIMUM
5B 03 D T L PWR S OM LOG LIST CODES EXHAUSTED
5C 00 D 0 RPL STATUS CHANGE
5C 01 D 0 SPINDLES SYNCHRONIZED
5C 02 D 0 SPINDLES NOT SYNCHRONIZED
5D 00 D T L PWR S OMC A E B FAILURE PREDICTION THRESHOLD EXCEEDED
5D FF D T L PWR S OMC A E B FAILURE PREDICTION THRESHOLD EXCEEDED (FALSE)
5E 00 D T L PWR S O C A B LOW POWER CONDITION ON
5E 01 D T L PWR S O C A B IDLE CONDITION ACTIVATED BY TIMER
5E 02 D T L PWR S O C A B STANDBY CONDITION ACTIVATED BY TIMER
5E 03 D T L PWR S O C A B IDLE CONDITION ACTIVATED BY COMMAND
5E 04 D T L PWR S O C A B STANDBY CONDITION ACTIVATED BY COMMAND
5F 00
60 00 S LAMP FAILURE
61 00 S VIDEO ACQUISITION ERROR
61 01 S UNABLE TO ACQUIRE VIDEO
61 02 S OUT OF FOCUS
62 00 S SCAN HEAD POSITIONING ERROR
63 00 R END OF USER AREA ENCOUNTERED ON THIS TRACK
63 01 R PACKET DOES NOT FIT IN AVAILABLE SPACE
64 00 R ILLEGAL MODE FOR THIS TRACK
64 01 R INVALID PACKET SIZE
65 00 D T L PWR S OMC A E B VOLTAGE FAULT
66 00 S AUTOMATIC DOCUMENT FEEDER COVER UP
66 01 S AUTOMATIC DOCUMENT FEEDER LIFT UP
66 02 S DOCUMENT JAM IN AUTOMATIC DOCUMENT FEEDER
66 03 S DOCUMENT MISS FEED AUTOMATIC IN DOCUMENT FEEDER
67 00 A CONFIGURATION FAILURE
67 01 A CONFIGURATION OF INCAPABLE LOGICAL UNITS FAILED
67 02 A ADD LOGICAL UNIT FAILED
67 03 A MODIFICATION OF LOGICAL UNIT FAILED
67 04 A EXCHANGE OF LOGICAL UNIT FAILED
67 05 A REMOVE OF LOGICAL UNIT FAILED
67 06 A ATTACHMENT OF LOGICAL UNIT FAILED
67 07 A CREATION OF LOGICAL UNIT FAILED
67 08 A ASSIGN FAILURE OCCURRED
67 09 A MULTIPLY ASSIGNED LOGICAL UNIT

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                                laststat.txt
68 00      A      LOGICAL UNIT NOT CONFIGURED
69 00      A      DATA LOSS ON LOGICAL UNIT
69 01      A      MULTIPLE LOGICAL UNIT FAILURES
69 02      A      PARITY/DATA MISMATCH
6A 00      A      INFORMATIONAL, REFER TO LOG
6B 00      A      STATE CHANGE HAS OCCURRED
6B 01      A      REDUNDANCY LEVEL GOT BETTER
6B 02      A      REDUNDANCY LEVEL GOT WORSE
6C 00      A      REBUILD FAILURE OCCURRED
6D 00      A      RECALCULATE FAILURE OCCURRED
6E 00      A      COMMAND TO LOGICAL UNIT FAILED
6F 00
70 NN      T      DECOMPRESSION EXCEPTION SHORT ALGORITHM ID OF NN
71 00      T      DECOMPRESSION EXCEPTION LONG ALGORITHM ID
72 00      R      SESSION FIXATION ERROR
72 01      R      SESSION FIXATION ERROR WRITING LEAD-IN
72 02      R      SESSION FIXATION ERROR WRITING LEAD-OUT
72 03      R      SESSION FIXATION ERROR - INCOMPLETE TRACK IN SESSION
72 04      R      EMPTY OR PARTIALLY WRITTEN RESERVED TRACK
73 00      R      CD CONTROL ERROR
73 01      R      POWER CALIBRATION AREA ALMOST FULL
73 02      R      POWER CALIBRATION AREA IS FULL
73 03      R      POWER CALIBRATION AREA ERROR
73 04      R      PROGRAM MEMORY AREA UPDATE FAILURE
73 05      R      PROGRAM MEMORY AREA IS FULL
74 00
75 00
76 00
77 00
78 00
79 00
7A 00
7B 00
7C 00
7D 00
7E 00
7F 00
80h xxh \
Through > Vendor- specific.
FFh xxh /
xxh 80h \
Through > Vendor- specific QUALIFICATION OF STANDARD ASC.
xxh FFh /
ALL CODES NOT SHOWN ARE RESERVED.

```