7.x READ MEDIA SERIAL NUMBER command

The READ MEDIA SERIAL NUMBER command (see table Y) reports the media serial number reported by the device and the currently mounted media.

Table Y — READ MEDIA SERIAL NUMBER command

Bit / Byte	7	6	5	4	3	2	1	0
0	OPERATION CODE (ABh)							
1	Reserved			SERVICE ACTION (01h)				
2	Reserved							
3	Reserved							
4	Reserved							
5	Reserved							
6	(MSB)							
7	ALLOCATION LENGTH							
8								
9								(LSB)
10	Reserved							
11	CONTROL							

The ALLOCATION LENGTH field specifies how many bytes have been allocated for the returned parameter data. If the length is not sufficient to contain the entire parameter data, the first portion of the data shall be returned. This shall not be considered an error.

The MEDIA SERIAL NUMBER parameter data format is shown in Table B.

Table B — READ MEDIA SERIAL NUMBER response format

Bit / Byte	7	6	5	4	3	2	1	0
0	(MSB)	SERIAL NUMBER LENGTH (4n-4)						
3								(LSB)
	Serial Number							
4								
	MEDIA SERIAL NUMBER							
4n-1								

The SERIAL NUMBER LENGTH field shall contain the number of bytes in the MEDIA SERIAL NUMBER field. The serial number length shall be a multiple of four. The allocation length shall not be adjusted due to an insufficient allocation length.

The MEDIA SERIAL NUMBER field shall contain the vendor specific serial number of the media currently installed. If the number of bytes in the vendor specific serial number is not a multiple of four, up to three bytes containing zero shall be appended to the highest number bytes in the MEDIA SERIAL NUMBER field.

If the MEDIA SERIAL NUMBER is not available (e.g., the currently installed media has no valid serial number) zero shall be returned in the SERIAL NUMBER LENGTH field.

If there is currently no media in the device, the command shall be terminated with a CHECK CONDITION status, the sense key shall be set to NOT READY, and the additional sense code shall be set to MEDIUM NOT PRESENT.