Proposed Draft

Serial ATA International Organization

Version 2
August 10, 2015

Serial ATA Revision 3.2 Technical Proposal #073
Title : IDENTIFY DEVICE Revision Updates

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Document History

Version	Date	Comments
0	July 27, 2015	Initial release.
1	August 3, 2015	Changed D203 to D204, removed PCIe from IDENTIFY PACKET DEVICE.
2	August 10, 2015	Member review, changed D204 to 073.

Introduction

Add new revision reporting in IDENTIFY DEVICE Word 222 and IDENTIFY PACKET DEVICE Word 222.

1 Technical Specification Changes

1.1 <Title of section being changed>

[editor note: Existing text is black. New text is marked as underlined in blue color. Material to be deleted ~~is red with strikethrough markings.~~]

Table 100 – IDENTIFY DEVICE information (part 4 of 4)

Word	O/M	F/V			
222			Transport Major Revision 0000h or FFFFh = device does not report version		
			Bits	**Description**	
		F	15:12	Transport Type 0h = Parallel 1h = Serial 2h..Dh = Reserved Eh = PCIe Fh = Reserved	
				Serial	**PCIe**
		R	11:~~8~~9	Reserved	Reserved
		F	8	SATA Rev 3.3	Reserved
		F	7	SATA Rev 3.2	Reserved
		F	6	SATA Rev 3.1	Reserved
		F	5	SATA Rev 3.0	Reserved
		F	4	SATA Rev 2.6	Reserved
		F	3	SATA Rev 2.5	Reserved
		F	2	SATA II: Extensions	Reserved
		F	1	SATA 1.0a	Reserved
		F	0	ATA8-AST	Reserved
223		F	Transport Minor Revision		
224..255			Set as indicated in ACS-~~3~~4		

Key:
M = Support of the Word is mandatory.
O = Support of the Word is optional.
F = the content of the bit, field, or Word is fixed and does not change. For removable media devices, these values may change if media is removed or changed.
V = the contents of the bit, field, or Word is variable and may change depending on the state of the device or the commands processed by the device.
R = the content of the bit, field, or Word is reserved and shall be cleared to zero.

Table 101 – IDENTIFY PACKET DEVICE information (part 3 of 3)

Word	O/M	F/V	
88			15~~..~~:6 Set as indicated in ACS-3
		F	5 Ultra DMA mode 5 and below are supported
		F	4 Ultra DMA mode 4 and below are supported
		F	3 Ultra DMA mode 3 and below are supported
		F	2 Ultra DMA mode 2 and below are supported
		F	1 Ultra DMA mode 1 and below are supported
		F	0 Ultra DMA mode 0 is supported
89..92			Set as indicated in ACS-3
93		V	COMRESET result. The contents of this Word shall be cleared to zero.
94..221			Set as indicated in ACS-3
222			Transport Major Revision 0000h or FFFFh = device does not report version **Bits** **Description** 15:12 Transport Type 0h = Parallel 1h = Serial 2h..Fh = Reserved **Serial**
		R	11:~~8~~9 Reserved
		F	8 SATA Rev 3.3
		F	7 SATA Rev 3.2
		F	6 SATA Rev 3.1
		F	5 SATA Rev 3.0
		F	4 SATA Rev 2.6
		F	3 SATA Rev 2.5
		F	2 SATA II: Extensions
		F	1 SATA 1.0a
		F	0 ATA8-AST
223		F	Transport Minor Revision
224..255			Set as indicated in ACS-3

Key:
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R = the content of the bit, field, or Word is reserved and shall be cleared to zero.