



PCI-SIG ENGINEERING CHANGE NOTIFICATION

TITLE:	PCI Code & ID Assignment Specification Update
DATE:	November 11, 2010
AFFECTED DOCUMENT:	<i>PCI Code and ID Assignment Specification</i>
SPONSOR:	AMD, Intel, Microsoft

Part I

1. Summary of the Functional Changes

This document describes updates to the *PCI Code and ID Assignment Specification*. The updates cover the addition of Protocol Multiplexing extended capability ID, updates to the use of Null Capability, and clarification of flash based storage controllers.

2. Benefits as a Result of the Changes

The document will contain the latest update to class codes, capability IDs, and subclass codes. These updates will aid in the design of future PCI devices and software, without any adverse impact on existing systems.

3. Assessment of the Impact

No impact to hardware, software, or documentation.

4. Analysis of the Hardware Implications

No impact to existing hardware designs.

5. Analysis of the Software Implications

No impact to existing software designs.

6. Analysis of the C&I Test Implications

No impact to test designs.

Part II

Detailed Description of the change

Change section 1.2 as follows:

Base Class	Sub-Class	Programming Interface	Meaning
01h	08h	00h	Flash Controller vendor specific interface <u>Solid State Storage Controller</u>
		01h	Flash Controller <u>Solid State Storage Controller</u> --NVMHCI 1.0 interface
		<u>02h</u>	<u>Solid State Storage Controller – Enterprise NVMHCI</u>

Change Section 2, Table 2-1 as follows:

ID	Capability
<u>00h</u>	Reserved <u>Null Capability – This capability contains no registers other than those described below. It may be present in any Function. Functions may contain multiple instances of this capability.</u> <u>The Null Capability is 16 bits and contains an 8-bit Capability ID followed by an 8-bit Next Capability Pointer.</u>

Change Section 3, Table 3-1 as follows:

ID	Extended Capability
0000h	Reserved <u>Null Capability – This capability contains no registers other than those in the Extended Capability Header. It may be present in any Function. Functions may contain multiple instances of this capability.</u> <u>The Null Extended Capability is 32 bits and contains only an Extended Capability Header. The Capability Version field of a Null Extended Capability is not meaningful and may contain any value.</u>
<u>001Ah</u>	<u>Protocol Multiplexing (PMUX)</u>