

## NVM Express Technical Errata

<b>Errata ID</b>	<b>028</b>
<b>Change Date</b>	<b>4/25/2012</b>
<b>Affected Spec Ver.</b>	<b>NVM Express 1.0c</b>
<b>Corrected Spec Ver.</b>	

### Submission info

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The value returned for the Interrupt Vector Configuration Feature as part of a Get Features command is clarified.

Several typos are corrected in the specification.

Description of the specification technical flaw:

**Modify section 5.12.1.9 as shown below:**

This Feature configures settings specific to a particular interrupt vector. The settings are specified in Command Dword 11.

By default, coalescing settings are enabled for each interrupt vector. Interrupt coalescing is not supported for the Admin Completion Queue.

If a Get Features command is issued for this Feature, the attributes specified in Figure 85 are returned in Dword 0 of the completion queue entry for that command **for the Interrupt Vector specified in Command Dword 11**.

**Figure 85: Interrupt Vector Configuration – Command Dword 11**

Bit	Description
31:17	Reserved
16	<b>Coalescing Disable (CD):</b> If set to '1', then any interrupt coalescing settings shall not be applied for this interrupt vector. If cleared to '0', then interrupt coalescing settings apply for this interrupt vector.
15:00	<b>Interrupt Vector (IV):</b> This field specifies the interrupt vector for which the configuration settings are applied.

**Modify byte 27 in Figure 68 as shown below:**

27	M	<b>Metadata Capabilities (MC):</b> This field indicates the capabilities for metadata.  Bits 7:2 are reserved.  Bit 1 if set to '1' indicates the namespace supports the metadata being transferred as part of a separate buffer that is specified in the Metadata Pointer. Bit 1 if cleared to '0' indicates that the <b>namespace controller</b> does not support the metadata being transferred as part of a separate buffer.  Bit 0 if set to '1' indicates that the namespace supports the metadata being transferred as part of an extended data LBA. Specifically, the metadata is transferred as part of the data PRP Lists. Bit 0 if cleared to '0' indicates that the namespace does not support the metadata being transferred as part of an extended data LBA.
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**Modify the second paragraph of section 5.12 as shown below:**

The Set Features command uses the PRP Entry 1, **PRP Entry 2**, Command Dword 10, and Command Dword 11 fields. All other command specific fields are reserved.

## Disposition log

4/25/2012	Erratum captured.
6/12/2012	Erratum ratified.

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