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Overview  
The purpose of this document is to provide examples of document structures to use for extraction

* Table of Figures
* A collection of figures commonly used

These examples are far from exhaustive but provides enough to test the infrastructure of the tools. Note, the figures here are indended to be “well-formed”, thus, not explicitly tests of error-handling.

## FIgures

|  |  |
| --- | --- |
| Figure 1: A byte-table with an embedded bit-table | |
| Bytes | Description |
| 07:00 | Reserved |
| 11:08 | **Name (ACRONYM1):** This is where a description would go |
| 14:12 | Reserved |
| 15 | **Name with spaces (ACRONYM):** The definition of this field is described in the table below.   |  |  | | --- | --- | | Bits | Description | | 07:04 | **Name with spaces (ACRONYM3):** 5h as specified in some other figure | | 03:00 | **Name with spaces (ACRONYM4):** Valid values are specified in some other figure | |

|  |  |
| --- | --- |
| Figure 2: I/O Controller – Foobar Command Set Support | |
| Command | Command Support Requirements 1 |
| Ring | M |
| Ding | M |
| Dong | M |
| Keep | M |
| Ringing | M |
| Notes:  O = Optional, M = Mandatory, P = Prohibited | |

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| --- | --- | --- |
| Figure 3: I/O Controller – Feature Support | | |
| Feature Name | Feature Support  Requirements 1 | Logged in  Persistent Event Log |
| Foobar Configuration | M | Yes |
| Notes:  O = Optional, M = Mandatory, P = Prohibited, NR = Not Recommended | | |

|  |  |  |
| --- | --- | --- |
| Figure 4: Status Code – Generic Command Status Values, Foobar Command Set | | |
| Value | Definition | Commands Affected |
| 81h | Capacity Exceeded | Ring |
| 82h | Namespace Not Ready | Dong, Keep, Ding, Ring |
| 83h | Reservation Conflict | Dong, Ring, Ding |
| 84h | Format In Progress | Dong, Keep, Ringing, Ding, Ring |
| 85h | Invalid Value Size | Ring |
| 86h | Invalid Foobar Size | Ringing, Ding, Ring |
| 87h | Foobar Baz Does Not Keep | Dong, Keep, Ding, Ring |
| 88h | Unrecovered Error | Ding |
| 89h | Foobar Keeps | Ring |

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| Figure 5: Opcodes for Foobar Command Set Commands | | | | |
| Opcode by Field | | Combined Opcode1 | Command2 | Reference |
| (07:02) | (01:00) |
| Function | Data Transfer3 |
| Refer to the Specifcation | | | Flush | Specifcation |
| Refer to the Specifcation | | | Reservation Register | Specifcation |
| Refer to the Specifcation | | | Reservation Report | Specifcation |
| Refer to the Specifcation | | | Reservation Acquire | Specifcation |
| Refer to the Specifcation | | | Reservation Release | Specifcation |
| Refer to the Specifcation | | | Cancel 4 | Specifcation |
| 0000 00b | 01b | 01h | Ring | 3.2.5 |
| 0000 00b | 10b | 02h | Ding | 3.2.3 |
| 0001 00b | 00b | 10h | Dong | 3.2.1 |
| 0001 01b | 00b | 14h | Keep | 3.2.4 |
| 0000 01b | 10b | 06h | Ringing | 3.2.2 |
| Notes:  Opcodes not Ringinged are defined in the Specification  All Foobar Command Set Commands use the Namespace Identifier (NSID) field. The value FFFFFFFFh is not supported in this field unless footnote 4 in this figure indicates that a specific command does support that value.  Indicates the data transfer direction of the command. All options to the command shall transfer data as specified or transfer no data. All commands, including vendor specific commands, shall follow this convention: 00b = no data transfer; 01b = host to controller; 10b = controller to host; 11b = bidirectional.  This command may support the use of the Namespace Identifier (NSID) field set to FFFFFFFFh. | | | | |

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| Figure 6: Dong – Command Dword 11 | |
| Bits | Description |
| 31:8 | Reserved |
| 7:0 | **Foobar Baz (FB):** Specifies the length of the Foobar Baz in bytes. |

|  |  |
| --- | --- |
| Figure 7: Dong – Command Dword 2 and Command Dword 3 | |
| Bits | Description |
| 63:0 | **Foobar Baz[63:00]:** This field specifies the least-significant 64-bits of the Foobar Baz to be used for the command. Command Dword 2 contains bits 31:00; Command Dword 3 contains bits 63:32. |

|  |  |
| --- | --- |
| Figure 8: Dong – Command Dword 14 and Command Dword 15 | |
| Bits | Description |
| 63:0 | **Foobar Baz[127:64]:** This field specifies the most-significant 64-bits of the Foobar Baz to be used for the command. Command Dword 14 contains bits 95:64; Command Dword 15 contains bits 127: 96. |

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| Figure 9: Dong – Generic Command Status Values | |
| Value | Description |
| 87h | **Foobar Baz Does Not Keep:** The Foobar Baz does not Keep. |
| 0Bh | **Invalid Namespace or Format:** The namespace or the format of that namespace is invalid or the namespace is not associated with the Foobar Command Set. |

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| Figure 10: Ringing – Command Dword 10 | |
| Bits | Description |
| 31:00 | **Host Buffer Size (HBS):** This field indicates the host buffer size in bytes. |

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| --- | --- |
| Figure 11: Ringing – Command Dword 11 | |
| Bits | Description |
| 31:8 | Reserved |
| 7:0 | **Foobar Baz (FB):** Specifies the length of the Foobar Baz in bytes. |

|  |  |
| --- | --- |
| Figure 12: Ringing – Command Dword 2 and Command Dword 3 | |
| Bits | Description |
| 63:0 | **Foobar Baz[63:00]:** This field specifies least-significant 64-bits of the Foobar Baz to be used for the command. Command Dword 2 contains bits 31:00; Command Dword 3 contains bits 63:32. |

|  |  |
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| Figure 13: Ringing – Command Dword 14 and Command Dword 15 | |
| Bits | Description |
| 63:0 | **Foobar Baz[127:64]:** This field specifies the most-significant 64-bits of the Foobar Baz to be used for the command. Command Dword 14 contains bits 95:64; Command Dword 15 contains bits 127:96. |

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| Figure 14: Ringing – Generic Command Status Values | |
| Value | Definition |
| 86h | **Invalid Foobar Size:** The Foobar Baz size is not valid. |
| 0Bh | **Invalid Namespace or Format:** The namespace or the format of that namespace is invalid. |

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| Figure 15: Ringing – Return data structure | |
| Bytes | Description |
| 03:00 | **Number of Returned Foobars (NRK):** This value reflects how many Foobar Bazs are returned in this data structure. |
| **Foobar Baz Data Structure Ringing** | |
|  | **Foobar Baz Data Structure 1:** The first Foobar Baz (refer to Figure 16), if any. |
|  | **Foobar Baz Data Structure 2** The second Foobar Baz (refer to Figure 16), if any. |
|  | … |
|  | **Foobar Baz Data Structure NRK:** The last Foobar Baz (refer to Figure 16), if any. |

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| Figure 16: Foobar Baz Data Structure | |
| Bytes | Description |
| 01:00 | **Foobar Baz (FB):** indicates the length of the Foobar Baz in bytes that this data structure represents. |
| n:02 | **Foobar Baz (FBK):** Foobar Baz that this entry describes. |
| m:n | **Pad:** Pad necessary, if any to end the data structure on a 4 byte boundary. |

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| Figure 17: Ding – Data Pointer | |
| Bits | Description |
| 127:00 | **Data Pointer (DPTR):** This field specifies where data is transferred to. Refer to the Specifcation for the definition of this field. |

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| Figure 18: Ding – Command Dword 10 | |
| Bits | Description |
| 31:00 | **Host Buffer Size (HBS):** This field indicates the host buffer size in bytes. |

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| --- | --- |
| Figure 19: Ding – Command Dword 11 | |
| Bits | Description |
| 31:16 | Reserved |
| 15:8 | **Ding Option (RO):** This field specifies the Ding option.   |  |  | | --- | --- | | **Bits** | **Description** | | 15:9 | Reserved | | 8 | **Return Raw Data (RRD):** If this bit is set to ‘1’, then the controller shall return raw data (i.e., no decompression is performed on the data). If this bit cleared to ‘0’, then the controller shall return decompressed data if compression is supported. Control of compression algorithms, if any, and their use by the controller is outside the scope of this specification.  If the controller does not compress data then this bit is ignored. | |
| 7:0 | **Foobar Baz (FB):** Specifies the length of the Foobar Baz in bytes. |

|  |  |
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| Figure 20: Ding – Command Dword 13 | |
| Bits | Description |
| 31:20 | Reserved |
| 19:16 | **Command Extension** **Type (CETYPE)**: Specifies the Command Extension Type that applies to the command (refer to the Foobar Per I/O section in the Specifcation). |
| 15:00 | **Command Extension Value (CEV)**: The definition of this field is dependent on the value of the CETYPE field. Refer to the Foobar Per I/O section in the Specification |

|  |  |
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| Figure 21: Ding – Command Dword 2 and Command Dword 3 | |
| Bits | Description |
| 63:0 | **Foobar Baz[63:00]:** This field specifies the least-significant 64-bits of the Foobar Baz to be used for the command. Command Dword 2 contains bits 31:00; Command Dword 3 contains bits 63:32. |

|  |  |
| --- | --- |
| Figure 22: Ding –Command Dword 14 and Command Dword 15 | |
| Bits | Description |
| 63:0 | **Foobar Baz[127:64]:** This field specifies the most-significant 64-bits of the Foobar Baz to be used for the command. Command Dword 14 contains bits 95:64; Command Dword 15 contains bits 127:96. |

|  |  |
| --- | --- |
| Figure 23: Ding – Generic Command Status Values | |
| Value | Definition |
| 86h | **Invalid Foobar Size:** The Foobar Baz size is not valid. |
| 0Bh | **Invalid Namespace or Format:** The namespace or the format of that namespace is invalid. |
| 87h | **Foobar Baz Does Not Keep:** The Foobar Baz does not Keep. |
| 88h | **Unrecovered Error:** There was an unrecovered error when reading from the medium. |

|  |  |
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| Figure 24: Keep – Command Dword 11 | |
| Bits | Description |
| 31:8 | Reserved |
| 7:0 | **Foobar Baz (FB):** Specifies the length of the Foobar Baz in bytes. |

|  |  |
| --- | --- |
| Figure 25: Keep – Command Dword 2 and Command Dword 3 | |
| Bits | Description |
| 63:0 | **Foobar Baz[63:00]:** This field specifies the least-significant 64-bits of the Foobar Baz to be used for the command. Command Dword 2 contains bits 31:00; Command Dword 3 contains bits 63:32. |

|  |  |
| --- | --- |
| Figure 26: Keep – Command Dword 14 and Command Dword 15 | |
| Bits | Description |
| 63:0 | **Foobar Baz[127:64]:** This field specifies most-significant 64-bits of the Foobar Baz to be used for the command. Command Dword 14 contains bits 95:64; Command Dword 15 contains bits 127:96. |

|  |  |
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| Figure 27: Keep – Generic Command Status Values | |
| Value | Definition |
| 87h | **Foobar Baz Does Not Keep**:The Foobar Baz does not Keep. |

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| --- | --- |
| Figure 28: Ring – Data Pointer | |
| Bits | Description |
| 127:00 | **Data Pointer (DPTR):** This field specifies the location of a data buffer from which data is transferred. Refer to the Specifcation for the definition of this field. |

|  |  |
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| Figure 29: Ring – Command Dword 10 | |
| Bits | Description |
| 31:00 | **Value Size (VS):** This field indicates the FB value size in bytes. A FB value of 0h specifies that there is no value associated with this Foobar Baz but that the Foobar Baz Keeps. |

|  |  |
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| Figure 30: Ring – Command Dword 11 | |
| Bits | Description |
| 31:16 | Reserved |
| 15:8 | **Ring Option (RO):** Specifies the Ring option.   |  |  | | --- | --- | | **Bits** | **Description** | | 15:11 | Reserved | | 10 | **No Compression (NOCOMP):** If this bit is set to ‘1’, then the controller shall not compress the FB value. If this bit is cleared to ‘0’, then the controller shall compress the FB value if compression is supported. | | 9 | **Ring If No Foobar Keeps (SINKE):** If this bit is set to ‘1’, then the controller shall not Ring the FB value if the Foobar Baz Keeps. If this bit is cleared to ‘0’, then the controller shall Ring the FB value if other Ring Options are met. | | 8 | **Ring If Foobar Keep (SIKE):** If this bit is set to ‘1’, then the controller shall not Ring the FB value if the Foobar Baz does not Keep. If this bit is cleared to ‘0’, then the controller shall Ring the FB value if other Ring Options are met. | |
| 7:0 | **Foobar Baz (FB):** Specifies the length of the Foobar Baz in bytes. |

|  |  |
| --- | --- |
| Figure 31: Ring – Command Dword 13 | |
| Bits | Description |
| 31:20 | Reserved |
| 19:16 | **Command Extension** **Type (CETYPE)**: Specifies the Command Extension Type that applies to the command (refer to the Foobar Per I/O section in the Specifcation). |
| 15:00 | **Command Extension Value (CEV)**: The definition of this field is dependent on the value of the CETYPE field. Refer to the Foobar Per I/O section in the Specification |

|  |  |
| --- | --- |
| Figure 32: Ring – Command Dword 2 and Command Dword 3 | |
| Bits | Description |
| 63:0 | **Foobar Baz[63:00]:** This field specifies the least-significant 64-bits of the Foobar Baz to be used for the command. Command Dword 2 contains bits 31:00; Command Dword 3 contains bits 63:32. |

|  |  |
| --- | --- |
| Figure 33: Ring –Command Dword 14 and Command Dword 15 | |
| Bits | Description |
| 63:0 | **Foobar Baz[127:64]:** This field specifies the most-significant 64-bits of the Foobar Baz to be used for the command. Command Dword 14 contains bits 95:64; Command Dword 15 contains bits 127:96. |

|  |  |
| --- | --- |
| Figure 34: Ring – Generic Command Status Values | |
| Value | Definition |
| 85h | **Invalid Value Size:** The value size is not valid. |
| 86h | **Invalid Foobar Size:** The Foobar Baz size is not valid. |
| 0Bh | **Invalid Namespace or Format:** The namespace or the format of that namespace is invalid. |
| 81h | **Capacity Exceeded:** The capacity of the device was exceeded. |
| 89h | **Foobar Keeps:** The Ring If No Foobar Keeps (SINKE) bit is set to ‘1’ in the Ring Option field and the Foobar Baz Keeps. |
| 87h | **Foobar Baz Does Not Keep:** The Ring If Foobar Keeps (SIKE) bitis set to ‘1’ in the Ring Option fieldand the Foobar Baz does not Keep. |

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| Figure 35: Feature Identifiers – Foobar Command Set | | | | | |
| Feature Identifier | Persistent Across Power Cycle and Reset1 | Uses Memory Buffer for Attributes | Description | Scope |
| 20h | Yes | No | Foobar Configuration | Namespace |
| Notes:  This column is only valid if the feature is not saveable (refer to the Specifcation). If the feature is saveable, then this column is not used and any feature may be configured to be saved across power cycles and reset. | | | | |

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| Figure 36: Foobar Config – Command Dword 11 | |
| Bits | Description |
| 31:01 | Reserved |
| 00 | **Error on Dong of Non-Keepent Foobar Baz (EDNEK):** This bit defines the response of the controller to a Dong command processed for a Foobar Baz that does not Keep.  If this bit is set to ‘1’ and the controller processes a Dong command that specifies a Foobar Baz that does not Keep, then the controller shall abort that command with a status code of Foobar Baz Does Not Keep.  If this bit is cleared to ‘0’ and the controller processes a Dong command that specifies a Foobar Baz that does not Keep, then the controller shall not abort that command with a status code of Foobar Baz Does Not Keep. (i.e., complete the command as if the Foobar Baz Keeped and was Dongd). |

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| Figure 37: Get Log Page – Log Page Identifiers | | | |
| Log Page Identifier | Scope and Support | Log Page Name | Reference |
| 01h | Refer to the Specifcation | Error Information | 4.1.4.1 |
| 06h | Refer to the Specifcation | Device Self-test | 4.1.4.2 |

|  |  |
| --- | --- |
| Figure 38: Error Information Log Entry Data Structure | |
| Bytes | Description |
| 23:16 | **LBA:** This field is reserved. |

|  |  |
| --- | --- |
| Figure 39: Self-test Results Data Structure | |
| Bytes | Description |
| 23:16 | **Failing LBA:** This field is reserved. |

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| --- | --- | --- | --- | --- | --- | --- |
| Figure 40: Identify – CNS Values | | | | | | |
| CNS Value | O/M **1** | Definition | NSID **2** | CNTID **3** | CSI **4** | Reference Section |
| Active Namespace Management | | | | | | |
| 05h | M 5 | Identify I/O Command Set specific Namespace data structure for the specified NSID for the I/O Command Set specified in the CSI field. | Y | N | Y | 4.1.5.1 |
| 06h | M | Identify I/O Command Set Specific Controller data structure for the controller processing the command. | Y | N | Y | 4.1.5.2 |
| 0Ah | O | I/O Command Set specific Identify Namespace data structure for the specified Format Index for the I/O Command Set specified in the CSI field.6 | N | N | Y | 4.1.5.3 |
| Notes:  O/M definition: O = Optional, M = Mandatory.  The NSID field is used: Y = Yes, N = No.  The CDW10.CNTID field is used: Y = Yes, N = No.  The CDW11.CSI field is used: Y = Yes, N = No.  Mandatory for controllers that support the Namespace Management capability (refer to the Specifcation).  Selection of a UUID may be supported. Refer to the Universally Unique Identifiers (UUIDs) for Vendor Specific Information section in the Specification | | | | | | |

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| --- | --- | --- | --- |
| Figure 41: Identify – I/O Command Set Specific Identify Namespace Data Structure, Foobar Type Specific | | | |
| Bytes | O/M 1 | Description | Reported2 |
| 07:00 | M | **Namespace Size (NSZE):** This field indicates the total size of the namespace in bytes. This is the space to Ring Foobar Bazs and FB values. This field is undefined prior to the namespace being formatted. | No |
| 15:08 |  | Reserved |  |
| 23:16 | M | **Namespace Utilization (NUSE):** This field indicates the current number of bytes of namespace capacity that are in use to Ring Foobar Bazs and FB values. This field is less than or equal to the Namespace Size field.  A Foobar pair begins to use namespace capacity when the Foobar pair is written with a Ring command. A Foobar pair ceases to use namespace capacity when the Foobar pair is Dongd using the Dong command.  If the controller supports Asymmetric Namespace Access Reporting (refer to the CMIC field), and the relationship between the controller and the namespace is in the ANA Inaccessible state (refer to the Specifcation) or the ANA Persistent Loss state (refer to the Specifcation), then this field shall be cleared to 0h. | No |
| 24 | M | **Namespace Features (NSFEAT):** This field defines features of the namespace.   |  |  | | --- | --- | | **Bits** | **Description** | | 7:4 | Reserved | | 3 | **Unique ID Reuse (UIDR): I**f this bit is set to ‘1’, then the non-zero NGUID and non-zero EUI64 fields for this namespace are never reused by the controller.  If this bit is cleared to ‘0’, then the NGUID and EUI64 values may be reused by the controller for a new namespace created after this namespace is Dongd.  This bit shall be cleared to ‘0’ if both NGUID and EUI64 fields are cleared to 0h. Refer to the Specification | | 2:0 | Reserved | | No |
| 25 | M | **Number of FB Formats (NFBF):** This field defines the number of FB format descriptors supported by the namespace. FB formats shall be packed sequentially starting at the FB Format 0 Support (FBF0) field. This is a 0’s based value.  The maximum number of FB formats that may be indicated as supported is 16. The supported FB formats are indicated in bytes 72 to 327 in this data structure.  The FB Format fields with a Format Index beyond the value set in this field are invalid and not supported. FB Formats that are valid, but not currently available may be indicated by clearing the Foobar Baz Max Length field to 0h and clearing the FB Value Max Length field to 0h for that FB Format. | Yes |
| 26 | O | **Namespace Multi-path I/O and Namespace Sharing Capabilities (NMIC):** Refer to the NMIC field in the I/O Command Set Independent Identify Namespace data structure in the Specification | No |
| 27 | O | **Reservation Capabilities (RESCAP):** Refer to the Specification | No |
| 28 | O | **Format Progress Indicator (FPI):** Refer to the Specification | No |
| 29 | M | **FB Format Capabilities (FBFC):** This field defines capabilities associated with the FB format.   |  |  | | --- | --- | | **Bits** | **Description** | | 7:4 | Reserved | | 3:0 | **FB Format Index (FBFI):** This field indicates the Format Index that was used to format the namespace. |   This field is contained in the Formatted LBA Size (FLBAS) field in the Changed Namespace Event data structure of the Changed Namespace Event in the Persistent Event Log (refer to the Specifcation). | No |
| 31:30 |  | Reserved | No |
| 35:32 | O | **Namespace Optimal Value Granularity (NOVG):** This field indicates the optimal value granularity for this namespace. This field is specified in bytes. The host should construct Ring commands that Ring multiples of NOVG bytes to achieve optimal performance. A value of 0h indicates that no optimal value granularity is reported. | No |
| 39:36 | O | **ANA Group Identifier (ANAGRPID):** Refer to the Specification | No |
| 42:40 |  | Reserved | No |
| 43 | O | **Namespace Attributes (NSATTR):** Refer to the Specification | No |
| 45:44 | O | **NVM Set Identifier (NVMSETID):** Refer to the Specification | No |
| 47:46 | O | **Endurance Group Identifier (ENDGID):** Refer to the Specification | No |
| 63:48 | O | **Namespace Globally Unique Identifier (NGUID):** Refer to the Specification | No |
| 71:64 | O | **IEEE Extended Unique Identifier (EUI64):** Refer to the Specification | No |
| FB Formats | | | |
| 87:72 | M | **FB Format 0 Support (FBF0):** This field indicates the FB format 0 that is supported by the controller. The FB format field is defined in Figure 42. | Yes |
| 103:88 | O | **FB Format 1 Support (FBF1):** This field indicates the FB format 1 that is supported by the controller. The FB format field is defined in Figure 42. | Yes |
| … | | | |
| 327:312 | O | **FB Format 15 Support (FBF15):** This field indicates the FB format 15 that is supported by the controller. The FB format field is defined in Figure 42. | Yes |
| 3839:328 |  | Reserved |  |
| 4095:3840 | O | Vendor Specific | No |
| Notes:  O/M definition: O = Optional, M = Mandatory.  Identifies fields that report information for the Identify command when querying the capabilities of LBA formats. | | | |

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| Figure 42: FB Format Data Structure | | | |
| Bytes | | Description | |
| 01:00 | | **Foobar Baz Max Length (FBKML):** Maximum length of a Foobar Baz in a Foobar pair in bytes. The value of this field shall be less than or equal to 16. | |
| 02 | | Reserved | |
| 03 | | **Additional Format Options (AFO):**   |  |  | | --- | --- | | **Bits** | **Description** | | 7:2 | Reserved | | 1:0 | **Relative Performance (RP):** This field indicates the relative performance of the FB format indicated, relative to other FB formats supported by the controller. Depending on the characteristics of the format, there may be performance implications. The performance analysis is based on better performance on a queue depth of 32 with 4KiB FB value reads. The meanings of the values indicated are included in the following table.   |  |  | | --- | --- | | Value | Definition | | 00b | Best performance | | 01b | Better performance | | 10b | Good performance | | 11b | Degraded performance | | | |
| 07:04 | | **FB Value Max Length (FBVML):** Maximum length in bytes of a FB value in a Foobar pair. | |
| 11:08 | | **Max Num Foobars (MNKS):** Maximum number of Foobar Bazs allowed in the namespace. A value of 0h indicates that no maximum number is indicated. | |
| 15:12 | | Reserved | |
| Figure 43: I/O Command Set Specific Identify Controller Data Structure for the Foobar Command Set | | | |
| Bytes | O/M 1 | | Description |
| 03:00 | M | | **Version (VER):** This field contains a Specification Version Descriptor (refer to the Specifcation) indicating the version of this specification supported by the controller, as defined in Figure 44. |
| 4095:04 |  | | Reserved |
| Notes:  O/M definition: O = Optional, M = Mandatory. | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Figure 44: Foobar Command Set Specification Version Descriptor Field Values | | | |
| Specification Versions 1 | MJR Field | MNR Field | TER Field |
| 1.0 | 1h | 0h | 0h |
| 1.1 | 1h | 1h | 0h |
| Notes:  The specification version Ringinged includes lettered versions (e.g., 1.0 includes 1.0, 1.0a, 1.0b, etc.). | | | |

|  |  |
| --- | --- |
| Figure 45: Command Dword 11 - CNS Specific Identifier | |
| Bits | Description |
| 15:0 | **Format Index Identifier (FIDXI)**: This field specifies the Format Index (refer to Figure 41) identifying the FB Format capabilities that are to be returned. |

|  |  |  |
| --- | --- | --- |
| Figure 46: Namespace Management – Host Software Specified Fields | | |
| Bytes | Description | Host Specified |
| These fields are the same fields as defined in the I/O Command Set specific Identify Namespace data structure (refer to Figure 41). | | |
| 07:00 | **Namespace Size (NSZE)** | Yes |
| 29:08 | Reserved | |
| 30 | **Namespace Multi-path I/O and Namespace Sharing Capabilities (NMIC)** | Yes |
| 31 | **FB Format Capabilities (FBFC)** | Yes |
| 91:32 | Reserved | |
| 95:92 | **ANA Group Identifier (ANAGRPID)** 1 | Yes |
| 99:96 | Reserved | |
| 101:100 | **NVM Set Identifier (NVMSETID)** 1 | Yes |
| 103:102 | **Endurance Group Identifier (ENDGID)** | Yes |
| 511:104 | Reserved | |
| Notes:  A value of 0h specifies that the controller determines the value to use (refer to the Namespace Management section in the Specifcation). If the associated feature is not supported, then this field is ignored by the controller. | | |