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Platform Level Data Model (PLDM) IDs and Codes Specification

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Foreword

51 The *Platform Level Data Model (PLDM) IDs and Codes Specification* (DSP0245) was prepared by the
52 Platform Management Components Intercommunications (PMCI) Working Group.

53 DMTF is a not-for-profit association of industry members dedicated to promoting enterprise and systems
54 management and interoperability.

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Introduction

56 This document describes a collection of IDs and codes that are used across Platform Level Data Model
57 (PLDM) specifications. PLDM is designed to be an effective interface and data model that provides
58 efficient access to low-level platform inventory, monitoring, control, event, and data/parameters transfer
59 functions. For example, temperature, voltage, or fan sensors can have a PLDM representation that can
60 be used to monitor/control the platform using a set of PLDM messages. PLDM defines data
61 representations and commands that abstract the platform management hardware.

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Platform Level Data Model (PLDM) IDs and Codes Specification

1 Scope

The *Platform Level Data Model (PLDM) IDs and Codes Specification* describes IDs and codes that are used across Platform Level Data Model (PLDM) specifications. Only IDs and codes that are required by a particular PLDM type-specific specification should be included in that specification. ID and code definitions that are provided in this specification should not be duplicated in other specifications.

The sets of codes and identifiers (enumeration values) that are specified in this document are as follows:

- **PLDM Type codes**
Collection of the PLDM Type codes used for PLDM messages
- **Transport Protocol Type codes**
Collection of the Transport Protocol Type codes used for PLDM messages

2 Normative References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

DMTF DSP0240, *Platform Level Data Model (PLDM) Base Specification*,
http://www.dmtf.org/standards/published_documents/DSP0240_1.0.0.pdf

DMTF DSP0241, *Platform Level Data Model (PLDM) over MCTP Binding Specification*,
http://www.dmtf.org/standards/published_documents/DSP0241_1.0.0.pdf

DMTF DSP0246, *Platform Level Data Model (PLDM) for SMBIOS Data Transfer Specification*,
http://www.dmtf.org/standards/published_documents/DSP0246_1.0.0.pdf

DMTF DSP0247, *Platform Level Data Model (PLDM) for BIOS Control and Configuration Specification*,
http://www.dmtf.org/standards/published_documents/DSP0247_1.0.0.pdf

DMTF DSP0248, *Platform Level Data Model (PLDM) for Platform Monitoring and Control Specification*,
http://www.dmtf.org/standards/published_documents/DSP0248_1.0.0.pdf

DMTF DSP0257, Platform Level Data Model (PLDM) for FRU Data Specification

ISO/IEC Directives, Part 2, *Rules for the structure and drafting of International Standards*,
<http://isotc.iso.org/livelink/livelink.exe?func=ll&objId=4230456&objAction=browse&sort=subtype>

OMG, *Unified Modeling Language (UML) from the Open Management Group (OMG)*, <http://www.uml.org/>

3 Terms and Definitions

Refer to [DSP0240](#) for terms and definitions that are used across the PLDM specifications.

94 4 Symbols and Abbreviated Terms

95 Refer to [DSP0240](#) for symbols and abbreviated terms that are used across the PLDM specifications.

96 5 Conventions

97 Refer to [DSP0240](#) for conventions and data types that are used across the PLDM specifications.

98 6 PLDM Type Codes

99 Table 1 defines the values of the PLDM Type field for different PLDM types.

100

Table 1 – PLDM Types

PLDM Type	PLDM Type Code	Description
PLDM Messaging Control and Discovery	000000b	PLDM Messages used to support communication control and discovery operations for PLDM NOTE: PLDM Messaging Control and Discovery is defined in DSP0240 .
PLDM for SMBIOS	000001b	PLDM Messages used to support SMBIOS data transfer NOTE: PLDM for SMBIOS Data Transfer is defined in DSP0246 .
PLDM for Platform Monitoring and Control	000010b	PLDM Messages used to support platform monitoring and control NOTE: PLDM for Platform Monitoring and Control is defined in DSP0248 .
PLDM for BIOS Control and Configuration	000011b	PLDM Messages used to support BIOS control and configuration data transfer between the BIOS and the MC NOTE: PLDM for BIOS Control and Configuration is defined in DSP0247 .
PLDM for FRU Data	000100b	PLDM Messages used to support FRU data transfer NOTE: PLDM for FRU Data is defined in DSP0257 .
Reserved	000101b-111110b	
OEM Specific	111111b	Reserved for OEM-specific PLDM commands

101 7 Transport Protocol Type Codes

102 [DSP0247](#) uses a transport protocol type (the transportProtocolType field) in the commands for setting
103 and getting the event receiver information. Table 2 defines the values of the transport protocol type for
104 different transport bindings.

105 **Table 2 – Transport Protocol Type Values**

Transport Protocol Type (transportProtocolType)	Value	Description
MCTP	0x00	See DSP0241 for information about PLDM over MCTP binding.
Vendor Specific	0xFF	Vendor-specific transport protocol binding

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**Annex A
(informative)**107
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110
111**Change Log**

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Version	Date	Description
1.0.0 a	2008-09-17	1.0.0a Preliminary release.
1.0.0	2009-04-23	DMTF Standard Release
1.1.0	2011-01-26	Added PLDM Type Code for PLDM for FRU data

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