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# **Platform Level Data Model (PLDM) IDs and Codes Specification**

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## Foreword

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

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

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## Introduction

59 This document describes a collection of IDs and codes that are used across Platform Level Data Model  
60 (PLDM) specifications. PLDM is designed to be an effective interface and data model that provides  
61 efficient access to low-level platform inventory, monitoring, control, event, and data/parameters transfer  
62 functions. For example, temperature, voltage, or fan sensors can have a PLDM representation that can  
63 be used to monitor/control the platform using a set of PLDM messages. PLDM defines data  
64 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.

### 2.1 Approved References

DMTF DSP0240, *Platform Level Data Model (PLDM) Base Specification*,  
[http://www.dmtf.org/standards/published\\_documents/DSP0240\\_1.0.0.pdf](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](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](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](http://www.dmtf.org/standards/published_documents/DSP0247_1.0.0.pdf)

### 2.2 References under Development

DMTF DSP0248, *Platform Level Data Model (PLDM) for Platform Monitoring and Control Specification*

### 2.3 Other References

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/>

### 96 3 Terms and Definitions

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

### 98 4 Symbols and Abbreviated Terms

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

### 100 5 Conventions

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

### 102 6 PLDM Type Codes

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

104

**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 <a href="#">DSP0240</a> .
PLDM for SMBIOS	000001b	PLDM Messages used to support SMBIOS data transfer  NOTE: PLDM for SMBIOS Data Transfer is defined in <a href="#">DSP0246</a> .
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 <a href="#">DSP0248</a> .
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 <a href="#">DSP0247</a> .
Reserved	000100b-111110b	
OEM Specific	111111b	Reserved for OEM-specific PLDM commands



## 105 7 Transport Protocol Type Codes

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

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

Transport Protocol Type (transportProtocolType)	Value	Description
MCTP	0x00	See <a href="#">DSP0241</a> for information about PLDM over MCTP binding.
Vendor Specific	0xFF	Vendor-specific transport protocol binding

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## **Annex A (informative)**

### **Change Log**

<b>Version</b>	<b>Date</b>	<b>Author</b>	<b>Description</b>
1.0.0a	9/17/2008	Hemal Shah	1.0.0a Preliminary release
1.0.0	4/23/2009		DMTF Standard Release

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