

**Platform Management Components Intercommunications
Working Group Charter
Dated 2014-03-28**

The information provided below is subject to change and reflects the current state of the Working Group charter within the DMTF.

Management Problem(s) and Environment

The need to monitor and control a system is not constrained to scenarios where an operating system (OS) is always available or functioning. A good example of this is the time in which a system is booting, before the OS has loaded, or when the OS is inoperable.

Also, system vendors are faced with the task of designing manageability hardware for servers, clients, and mobile systems, which do not share platform management subsystem designs and components.

Platform management interfaces need to operate in full power, low power, and varying speed environments. Specifications are needed for transport and management protocols that can be delivered over a variety of platform interconnect media to meet power-states and bandwidth needs of particular applications.

The Platform Management Components Intercommunications Working Group (PMCI WG) defines the standards to address “inside the box” communication and functional interfaces between the components of the platform management subsystem. The PMCI standards and technologies are complementary to DMTF Common Information Model (CIM) profiles and remote access protocols that are defined in the other DMTF subcommittees and working groups such as Server, Desktop, and Mobile Platforms Working Group (SDMPWG).

Working Group Charter

The focus of PMCI WG is to enable intercommunications between different management components of a platform management subsystem in a standard manner across any implementation of a management component, independent of the operating system state and platform management subsystem implementation.

The PMCI WG reports to the Platform Management Subcommittee.

The PMCI WG is chartered to provide specifications for:

- Protocols and Interfaces for intercommunication between management components (e.g., management controllers, network controllers, processors, management devices, sensors, system firmware) to carry out management operations involving multiple types of traffic across platform interconnects.
- Mappings between the low-level data models and CIM-based external data models. Management controller to secondary management controller interface – hardware bus, message protocol, and data models.
- Management controller interfaces to specific sensors – hardware signals/buses, and message protocol that the management controller uses to connect to standard sensors including power-on/off, reset, temperature, and voltage sensors.
- Common data model for use over internal messaging protocol.
- An optional standardized interface between the local runtime software and the platform management hardware.

The PMCI WG is also chartered to coordinate and maintain the following:

- Sub-ID numbers under the DMTF “DMT” PlugNPlay Vendor ID
- Peripheral Component Interconnect Express Vendor Defined Messages (PCIe VDM) definitions under the DMTF PCIe Vendor ID
- Specification of Interface Type/Protocol Type Values used in System Management BIOS (SMBIOS) Structure Type 42 (Management Controller Host Interface Structure)
- Specification and maintenance of the Management Controller Host Interface (MCHI) Description Table used by Advanced Configuration and Power Interface (ACPI)
- Specification of the usage of the Advanced Systems Format (ASF) bit in System Management Bus (SMBus) Unique Device Identifier (UDID)

Reliance/Coordination with other DMTF Groups

The PMCI WG will work, as required, with the SDMP WG and SMBIOS WG to ensure the internal interfaces and protocols defined by the PMCI WG enable and support the production of the external interfaces and protocols defined by these other working groups.

DMTF Contacts

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To join the DMTF and/or the Platform Management Components Intercommunications Working Group, see <http://www.dmtf.org/join/> and <http://members.dmtf.org/apps/org/workgroup/pmci/>.