

MIPI/ DMTF Work Register

Version 1.1

Date Initiated: 10/1/2019

Contacts updated: 8/14/2020

The DMTF Work Register is created between the DMTF and an Alliance Partner to formally define the objectives, scope, benefits, and deliverables of the alliance partnership. The register helps both organizations coordinate efforts to achieve the stated goals and objectives.

Alliance Organizations

The [MIPI Alliance](#) and the [DMTF](#).

MIPI Alliance

MIPI Alliance is a collaborative global organization serving industries that develop mobile and mobile-influenced devices. The focus of the organization is to design and promote hardware and software interfaces that simplify the integration of components built into a device, from the antenna and modem to peripherals and the application processor. MIPI Alliance crafts all of its specifications to meet the stringent operating conditions required in mobile devices: high-bandwidth performance, low power consumption, and low electromagnetic interference (EMI).

DMTF

The DMTF is an industry standards organization working to simplify the manageability of network accessible technologies through open and collaborative efforts by leading technology companies. DMTF creates and drives the international adoption of interoperable management standards, supporting implementations that enable the management of diverse traditional and emerging technologies including cloud, virtualization, network and infrastructure.

Specifically, DMTF's PMCI workgroup produces the Management Component Transport Protocol (MCTP) and Security Protocol and Data Model (SPDM) standards.

Alliance Benefits and Goals

MIPI would like:

- Enable a standard for binding MCTP over I3C
- To evaluate SPDM1.x specifications for suitability in MIPI security specifications

MIPI will benefit from:

- The availability of a standard for MCTP over I3C binding
- Access to MCTP expertise within the DMTF and its membership
- Access to SPDM expertise within the DMTF and its membership

DMTF will benefit from:

- The availability of a standard for MCTP over I3C binding
- Feedback from MIPI Alliance on the SPDM specification and use cases applicable to devices which will support the MIPI security specification

This alliance will provide the following benefits:

- Cross-promote DMTF and MIPI work products and events to their member companies.
- Activities to coordinate and align DMTF's MCTP and MIPI's I3C work products.

Activities

The following activities are expected to occur during the duration of this work register.

MIPI:

- Provides expertise on I3C and how MCTP can be mapped to I3C
- Provides expertise on how MIPI may bind/use the SPDM over different MIPI-defined interfaces
- Provides feedback on the SPDM specification(s)

The DMTF:

- Provides expertise on MCTP
- Creates a binding specification for MCTP over I3C
- Creates a specification for SPDM and SPDM over MCTP

Limitations

MIPI will not produce delegated standards that conflict or diverge from existing or proposed DMTF standards where possible.

Milestones / Dates

This section is to list specific milestones that may be accomplished by the alliance partnership.

Milestone/Deliverables	Timeframe
DMTF and MIPI approves of Work Register v1.0	July 2018
DMTF announces MIPI as a new alliance partner and publish work register	July 2018
DMTF approves the MIPI Alliance Liaison Agreement	Aug 2018
DMTF releases a specification on MCTP over I3C binding as work-in-progress (may be an update to DSP0237 or a new document)	1H20
DMTF and MIPI approves of Work Register v1.1	Oct 2019
DMTF releases DSP0274 - Security Protocol & Data Model Specification	4Q19
DMTF releases DSP0275 - Security Protocol & Data Model Specification over MCTP Binding	4Q19
DMTF updates DSP0274 - Security Protocol & Data Model Specification with additional security object support	1H20

Access

The DMTF and MIPI may want to provide documentation and collateral to each other. This information can be exchanged publicly, or not.

For information which can be accessed publicly

- DMTF will make the information available by posting as “Work-in-Progress” , “Informational” , or “Standard”
- MIPI will make the information available by posting to the MIPI web site.

For non-public draft work:

- MIPI will provide confidential version to share with DMTF
- DMTF may provide confidential version to share with MIPI

For any information that involves intellectual property (that is information contributed to each other’s projects):

- MIPI can submit to the DMTF Technology Submission Portal (dmtf.org/standards/feedback)
- MIPI and DMTF can host a meeting to exchange the information

Documentation

The DMTF will make the following specifications available to the MIPI. These will generally be available on the public DMTF site.

8/14/2020

- DSP0237 – MCTP SMBus/I2C Transport Binding
- DSP0274 – Security Protocol and Data Model (SPDM) Specification
- DSP0275 – Security Protocol and Data Model (SPDM) over MCTP Binding Specification

The MIPI will make the following documents available to the DMTF.

- MIPI I3C v1.0 Public Release Version
- MIPI I3C Host Controller Interface

Work Register Review Date

The next review date is expected to be March 2020

The DMTF work register review processes can be found in DSP4003. https://www.dmtf.org/sites/default/files/standards/documents/DSP4003_1.6.0.pdf

Resources Identified / Points of Contact:

Below are the members of each organization that will act as points of contact between the two organizations.

MIPI Organization Contacts

- MIPI Managing Director (peter.lefkin@team.mipi.org)
- MIPI Liaison Program Manager (george.goodman@team.mipi.org)
- MIPI DMTF Mailing list (dmtf-liaison@mipi.org)

MIPI (I3C Technical Contacts):

- MIPI I3C WG Chair (tim.e.mckee@intel.com)

MIPI (Security Technical Contacts):

- MIPI Security IG Co-Chairs:
 - Phil Hawkes, phawkes@qti.qualcomm.com
 - Rick Wietfeldt, richardw@qti.qualcomm.com

DMTF:

- DMTF PMCI WG Chair (pmci-chair@dmtof.org)
 DMTF VP of Alliances (vp-alliances@dmtof.org)
 DMTF PMCI Security Task Force Co-Chair(s): Scott Phuong (sphuong@cisco.com),
 Jeff Hilland (jeff.hilland@hpe.com)

Corresponding MIPI Document

There are no corresponding documents created by MIPI. This document was approved by the MIPI Board on 10/07/2019.

Approval by the DMTF Board of Directors

Approved by the DMTF Board of Directors; Board Resolution **2019-10-11**, on 10/17/2019. 8/14/2020