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Issue Highlights

Industry Standards Groups Advance Security with SPDm Standard and Post-Quantum Cryptography Support, and Alignment with CNSA 2.0 Membership
DMTF Releases Field Replaceable Unit (FRU) Format and Data Transfer Specification
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Industry Standards Groups Advance Security with SPDm Standard and Post-Quantum Cryptography Support, and Alignment with CNSA 2.0

Recently, [DMTF](#) and several of its industry partners ([CXL Consortium](#), [NVM Express, Inc.](#), [PCI-SIG®](#), [SNIA](#), and [Trusted Computing Group](#)) announced the continued evolution of the [Security Protocol and Data Model \(SPDM\)](#) standard, expanding its capabilities to support post-quantum cryptography (PQC) and aligning with the [National Security Agency's Commercial National Security Algorithm \(CNSA\) 2.0 Suite](#). As global cybersecurity threats grow in complexity, the need for resilient, future-proofed security standards has never been greater.

SPDM provides a robust framework for secure device communication, enabling authentication, confidentiality, and integrity for devices across a wide range of industries. With the upcoming CNSA 2.0 regulations on the horizon, industry standards organizations remain committed to staying ahead of emerging security challenges by incorporating PQC support and alignment with CNSA 2.0. This advancement ensures that SPDM remains at the forefront of secure device communication, protecting against quantum-enabled threats that could compromise current cryptographic methods.

“DMTF’s SPDM standard has been instrumental in establishing the integrity of infrastructure and advancing secure device communication across the industry. As we prepare for the transition to PQC, SPDM’s adaptable and robust framework ensures that devices remain protected against emerging threats,” said DMTF President Jeff Hilland. “We fully support the evolution of SPDM to incorporate PQC, safeguarding the future of secure authentication and data integrity in an increasingly complex cybersecurity landscape. We’re proud to collaborate with other industry standards organizations to maintain a unified approach to cybersecurity.”

DMTF continues to work closely with global partners and industry leaders to align SPDM with the latest security innovations. This swift action reflects this collective effort, emphasizing interoperability, resilience, and advanced cryptographic protections.

To read the full release and industry support click [here](#).

DMTF Releases Field Replaceable Unit (FRU) Format and Data Transfer Specification

The [PMCI](#) Working Group recently published two specifications – [Field Replacement Unit \(FRU\) Data Format Specification version 1.0 \(DSP0220\)](#) and [Platform Level Data Model \(PLDM\) for FRU Data Specification version 2.0 \(DSP0257\)](#). The new specifications update the overall approach to a common and extensible format for FRU.

The FRU Data Format specification version 1.0 ([DSP0220](#)) defines a new layout of FRU data at rest (in storage), along with the support of a simple file directory to support multiple aggregate sections of FRU data. The specification, now available for download, is for a minimum common FRU format and access. To enable wide industry adoption, the new specification supports a variety of data formats for the FRU File and enables compatibility with the legacy IPMI Platform Management FRU Information Storage Definition.

The PLDM for FRU Data Specification version 2.0 ([DSP0257](#)) provides a streamlined, intuitive mechanism for read/write access to a single FRU data item using PLDM. Traditional FRU data includes inventory asset information, such as the serial number, part number, and manufacturer for a field replaceable unit. Larger aggregate sections of the FRU data can also be transferred using the PLDM for File Transfer ([DSP0242](#)) specification.

In Case You Missed It

Did you know DMTF has a webpage highlighting adopters of our standards?

DMTF specifications can be found in millions of products, but most people have no idea which products support DMTF standards.

We have a [webpage](#) where companies can showcase which standards they have adopted or implemented.

This list continually grows as more companies choose to be included. Has your company adopted or implemented one of our standards? If so, would your company like to be listed as an adopter on our website? [Contact us](#) for more information on how to be added to the list.

DMTF Releases MCTP Host Interface 2.0 Specification

DMTF recently announced the public release of its [Management Component Transport Protocol \(MCTP\) Host Interface Specification version 2.0.0 \(DSP0256\)](#). This specification is the latest generation of transport protocols developed by the [PMCI Working Group](#).

The MCTP Host Interface Specification 2.0 introduces major improvements to the discoverability of MCTP communication from the host software.

Version 2.0 enhances version 1.0, extending the definition to enable MCTP communication over a variety of physical interfaces, such as I2C/SMBus, I3C, USB, PCIe VDM, as well as the newly defined MCTP over Memory-Mapped Buffer Interface (MMBI) and upcoming Platform Communication Channel (PCC).

DMTF on YouTube

Check out our latest videos and be sure to subscribe to the [DMTF YouTube Channel](#) to stay up-to-date with our current and upcoming webinars.

Personalize your DMTF Meeting Schedule

Log into the members portal [here](#) where you can see your specific work group meetings.

Please note you will need to be logged in to the member portal in order to access this feature.

Newsletter Feedback

We welcome your input on what you’d like to see included here – just [Contact Us](#) online and share your suggestions!

Information about DMTF’s leadership, technologies, and how to participate can be found at [www.dmtf.org](#). Contact us online or reach us at [http://www.dmtf.org/contact](#).

Did you miss the Redfish 2025.1 release webinar? Now available on-demand!

The [Redfish Forum](#) held a live [webinar](#) on Thursday, April 17th. Presented by the chairs of the Redfish Forum and hosted on Zoom, this webinar covered the contents of the [2025.1 release](#).

Key highlights of the Redfish 2025.1 release are the additions of:

- Added properties to provide password complexity guidance to **AccountService**
- Added *ConfiguredSpeedGbps* and *ConfiguredWidth* to **Port**
- Added *?includeoriginofcondition* query parameter, a specialized \$expand query for OriginOfCondition
- Added *SecurityMode* in **Manager** to report standardized security operating modes, and an *UpdateSecurityMode* action to configure those modes

These latest enhancements are driven by the growth of Redfish and interoperability feedback received from implementers. The presentation was followed by a Q&A session.

Head on over to our YouTube channel to view the [webinar](#) now.

Webinars, “Redfish School” mini-tutorials and videos can be viewed on the [webinars page](#) on the [Redfish Developer Hub](#). In addition, the full library of DMTF videos are available in the DMTF website’s [Education section](#).

You can also find these videos, and more, on [DMTF’s YouTube channel](#), so don’t miss out when we post something new – [click here to subscribe to our YouTube channel today!](#)

Need a DMTF Logo for your Marketing Materials?

We’ve got you covered! Email [press@dmtof.org](#) for the DMTF and/or Redfish logo files as well as the most current Logo Usage Guidelines and Graphic Standards. We’ve recently updated the usage guidelines to include the use of the Redfish logo on a dark background.

New Members

[Fagundez Distribuição Ltda.](#) (DMTF Participation)

Recent DMTF Specifications

[DSP0274 1.4.0 \(Security Protocol and Data Model \(SPDM\) Specification\)](#)

[DSP0286 1.0.0 \(Security Protocol and Data Model \(SPDM\) to Storage Binding Specification\)](#)

[DSP0220 1.0.0 \(Field Replaceable Unit \(FRU\) Data Specification\)](#)

[DSP0257 2.0.0 \(Platform Level Data Model \(PLDM\) for FRU Data Specification\)](#)

[DSP0256 2.0.0 \(Management Component Transport Protocol \(MCTP\) Host Interface Specification\)](#)

[DSP2090 1.0.0 \(Redfish Aggregation Guidance for Compute Expansion Modules White Paper\)](#)

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About DMTF

DMTF creates open manageability standards spanning diverse emerging and traditional IT infrastructures including cloud, virtualization, network, servers and storage. Member companies and alliance partners worldwide collaborate on standards to improve the interoperable management of information technologies. The organization is led by a diverse board of directors from Broadcom Inc.; Cisco; Dell Technologies; Hewlett Packard Enterprise; Intel Corporation; Lenovo; Positivo Tecnologia S.A.; and Verizon.



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