

KIOXIA

Date: 3 March 2025

To: T10 Technical Committee

From: John Geldman

Subject: SPC-7 Reworking the E8h Security Profile codepoint

Introduction

The E8h profile calls for the generic workgroup or perhaps the specification of that same name. It should point to the specific binding of SPDM to T10, i.e., the DSP0286 SPDM to Storage Binding specification. It is this specification in particular that defines the protocol to be referenced by the E8h Security Profile code.

This proposal defines the codepoint E8h to point to that specific DMTF specification, and introduces two DMTF specifications as bibliography additions that are referenced by the SPDM to Storage Binding specification (and needed by T10 developers implementing the E8 codepoint), specifically the DSP0274 Security Protocol and Data Model (SPDM) specification and the DSP0277 Secured Messages using SPDM specification.

Revision History

r0 Initial revision

Unless otherwise indicated additions are shown in underlined blue, deletions in ~~red strikethrough~~, and comments in green. Differences between this revision and the previous revision, if any, are highlighted with change bars.

Proposed Changes in SPC-7 r02

2 Normative References

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DMTF DSP0286 SPDM to Storage Binding Specification ^{xx} (under development)

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xx) For more information on DMTF SPDM specifications, see <https://www.dmtf.org/standards/spdm>.

Table 281 – SECURITY PROTOCOL field in SECURITY PROTOCOL IN command

Code	Description	Reference
E8h	DMTF Security Protocol and Data Model <u>DSP0286 SPDM to Storage Binding Specification</u>	SPDM <u>to Storage Binding</u>

Table 283 – SECURITY PROTOCOL field in SECURITY PROTOCOL OUT command

Code	Description	Reference
E8h	DMTF Security Protocol and Data Model <u>DSP0286 SPDM to Storage Binding Specification</u>	SPDM <u>to Storage Binding</u>

Annex G

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[DMTF DSP0274 Security Protocol and Data Model \(SPDM\)^{yy}](#)

[DMTF DSP0277 Secured Messages using SPDM Specification^{yy} \(under development\)](#)

^{yy}) For more information on DMTF SPDM specifications, see [https://www.dmtf.org/standards/spdm.](https://www.dmtf.org/standards/spdm)

