



Date: 21 March 2025  
 To: T10 Technical Committee  
 From: Ralph O. Weber  
 Subject: Doing SPDM SPC-7 Style

## Introduction

As per the T10/T13 DMTF SPDM Ad Hoc, the DMTF developers of SPDM have done a most excellent job of tying the larger SPDM cornucopia of capabilities to the SPC-7 SECURITY PROTOCOL IN command and SECURITY PROTOCOL OUT command.

With this in mind, a few addition words need to be added to SPC-7 to clarify things in the SCSI-to-SPDM direction.

## Revision History

- r0 Initial revision
- r1 An effort was made to address the somewhat conflicting comments received during the March CAP Ad Hoc and subsequently from individual T10 member representatives.

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

### 3.1 Definitions

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#### 3.1.aaa Security Protocol and Data Model (SPDM) Working Group

DMTF working group responsible for developing authentication, attestation, and key exchange methods that assist in the construction infrastructure security enablement standards

Note 1 to entry: Of specific interest to this standard is the SPDM-developed DSP0286 *SPDM to Storage Binding Specification* (see 3.1.bbb).

Note 2 to entry: The DSP0274 *Security Protocol & Data Model Specification* (see the bibliography) includes a summary that aids the understanding of how DSP0286 and SPC-7 are used.

Note 3 to entry: A summary of current SPDM activities can be found at: <https://www.dmtf.org/standards/spdm>.

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#### 3.1.bbb SPDM to Storage Binding Specification

specification developed by the DMTF SPDM working group

Note 1 to entry: This specification includes definitions for how setting the SECURITY PROTOCOL field to E8h is used by SPDM in the SECURITY PROTOCOL IN command (see 6.37) and SECURITY PROTOCOL OUT command (see 6.38).

Note 2 to entry: See the bibliography.

## 6.37 SECURITY PROTOCOL IN command

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**Table 281 – SECURITY PROTOCOL field in SECURITY PROTOCOL IN command**

Code	Description	Reference
...	...	...
E8h	DMTF Security Protocol and Data Model <a href="#">Working Group</a>	<b>SPDM 3.1.aaa</b>
...	...	...

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## 6.38 SECURITY PROTOCOL IN command

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**Table 283 – SECURITY PROTOCOL field in SECURITY PROTOCOL OUT command**

Code	Description	Reference
...	...	...
E8h	DMTF Security Protocol and Data Model <a href="#">Working Group</a>	<b>SPDM 3.1.aaa</b>
...	...	...

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## Annex G (informative)

### Bibliography

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DMTF DSP0274, *Security Protocol and Data Model (SPDM 1.0) specification revision 1.0* <sup>10)</sup>

[DMTF DSP0286, SPDM to Storage Binding Specification](#) <sup>10)</sup>

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10) For more information on the documents published by DMTF see ~~http~~<https://www.dmtf.org/standards/spdm>. This information is given for the convenience of users of this document and does not constitute an endorsement by ISO.