

Request for the reservation/assignment of Security Protocol value for TrustedFlash

To: T13 Technical Committee
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TrustedFlash is a, form factor independent, security system, developed by SanDisk, designed to enhance flash memory cards/modules with a set of capabilities, primarily enabling them to protect, and control the usage of, the stored data. While focused on applications involving flash memory storage, TrustedFlash is a complete end-to-end application framework, with host and server side in addition to storage side provisions.

The TrustedFlash specification was adopted by the SD Card Association's Advanced Security Work Group and the specification is observable at the (members only) portal of SD Card Association (<http://www.sdcard.org>).

To enable the use of the TRUSTED RECEIVE and TRUSTED SEND commands introduced into ATA-ACS2 as the transport/conduit for the TrustedFlash commands in the ATA environment, we request T13 to assign a Protocol ID for TrustedFlash.

As similar request presented to T10 was approved and was incorporated into the SPC-4 document.

The following tables indicate the recommended changes (highlighted) in the ATA-ACS2 document.

Definition: 

Secure Digital Card Association (SD Card): An organization that establishes and maintains **standards** for secure digital memory card applications. See <http://www.sdcard.org/>

Table 53 – TRUSTED RECEIVE Security_Protocol field description

Value	Description
00h	Return Security Protocol Information (see 7.56.6)
01h-06h	Defined by TCG (see 7.56.6)
07h-1Fh	Reserved
20h	Reserved for T10
21h-ECh	Reserved
EDh	Defined by the SD Card Association TrustedFlash specification
EEh	Defined by IEEE 1667
EFh	Reserved for T10
F0h-FFh	Vendor Specific

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Table 57 – TRUSTED SEND Security_Protocol field description

Value	Description
00h	Reserved
01h-06h	Defined by TCG
07h-1Fh	Reserved
20h	Reserved for T10
21h-ECh	Reserved
EDh	Defined by the SD Card Association TrustedFlash specification
EEh	Defined by IEEE 1667
EFh	Reserved for T10
F0h-FFh	Vendor Specific