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

To: T10 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 specifications of the TrustedFlash are controlled by the TrustedFlash Forum.

To enable the use of the SECURITY PROTOCOL OUT and SECURITY PROTOCOL IN commands introduced into SPC-4 as the transport/conduit for the TrustedFlash commands in the SCSI environment, we request T10 to assign a Protocol ID for TrustedFlash.

In order to ensure synchronization with T13, we are submitting a corresponding request to T13, simultaneously with this request to T10.

The following tables indicate the recommended changes (highlighted) in the SPC-4 draft document.

Table 194 – Security_Protocol field in SECURITY PROTOCOL IN command

Code	Description	Reference
00h	Security protocol information	6.29.2
01h-06h	Defined by TCG	3.1.140
07h-1Fh	Reserved	
20h	Tape Data Encryption	SSC-3
21h	Data Encryption Configuration	TBD
22h-ECh	Reserved	
EDh	Defined by TrustedFlash Forum	TBD
EEh	Authentication in Host Attachments of Transient Storage Devices	IEEE 1667
EFh	ATA Device Server Password Security	TBD
F0h-FFh	Vendor Specific	

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