

P1667

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Type of Project: Revision to IEEE Standard 1667-2015

PAR Request Date: 19-May-2016

PAR Approval Date: 30-Jun-2016

PAR Expiration Date: 31-Dec-2020

Status: PAR for a Revision to an existing IEEE Standard

Root Project: 1667-2015

1.1 Project Number: P1667

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Title: Standard for Discovery, Authentication, and Authorization in Host Attachments of Storage Devices

Changes in title: ~~IEEE~~ Standard for Discovery, Authentication, and Authorization in Host Attachments of Storage Devices

3.1 Working Group: Working Group for 1667 (C/IA/1667_WG)

Contact Information for Working Group Chair

Name: Curtis E Stevens

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Contact Information for Working Group Vice-Chair

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3.2 Sponsoring Society and Committee: IEEE Computer Society/Information Assurance (C/IA)

Contact Information for Sponsor Chair

Name: Eric Hibbard

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Contact Information for Standards Representative

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4.1 Type of Ballot: Entity

4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 05/2018

4.3 Projected Completion Date for Submittal to RevCom

Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 10/2019

5.1 Approximate number of entities expected to be actively involved in the development of this project: 5

5.2 Scope: This standard defines discovery, authentication, and authorization protocols between hosts and storage devices over multiple transports.

Changes in scope: This standard defines discovery, authentication, and authorization protocols between hosts and storage devices over multiple transports. ~~This standard specifies a new Silo Type Identifier (STID) allocation process that uses the IEEE Registration Authority.~~

5.3 Is the completion of this standard dependent upon the completion of another standard: No

5.4 Purpose: This document will not include a purpose clause.

5.5 Need for the Project: This project involves the expansion of IEEE Std 1667-2015 to include new capabilities. There is a continuing need to enhance IEEE 1667 capability to keep up with industry requirements.

The nature of the proposed project is to ensure that IEEE 1667 devices have an upward, highly compatible growth path. This will ensure that new features and functions developed by the computer industry will have a standardization vehicle.

5.6 Stakeholders for the Standard: Computer systems and storage devices

Intellectual Property

6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: Yes

If yes please explain: May need copyright permission from JEDEC, NVM Express.

Copyright permission for IEEE 1667-2015 and future revisions have already been received for both JEDEC and Trusted Computing Group.

May need a new agreement for NVM Express and Trusted Computing Group

6.1.b. Is the Sponsor aware of possible registration activity related to this project?: Yes

If yes please explain: This current revision of this standard implements IEEE-RA allocated Silo Type Identifiers (STID). This revision continues to use and standardize Silo Type Identifiers.

7.1 Are there other standards or projects with a similar scope?: No

7.2 Joint Development

Is it the intent to develop this document jointly with another organization?: No

8.1 Additional Explanatory Notes: 5.5: 1. New transport technologies, such as NVM Express, require updates to the standard

2. New requirements associated with implementation of the standard require updates to the standard to support additional capability

3. Capabilities that have fallen into disuse may become obsolete and removed from this version of the standard