

Project Proposal for A New Standard Amendment

1 Source of the Proposed Project

1.1 Title

ATA8-ACS Amendment 1

1.2 Date Submitted

October 31, 2008

1.3 Proposer(s)

T13

2 Process Description for the Proposed Project

2.1 Project Type (Development or Revision)

R

2.2 Type of Document

Amendment

2.3 Definitions of Concepts and Special Terms

The terms are industry standard.

2.4 Expected Relationship with Approved Reference Models, Frameworks, Architectures, etc.

The standard addresses closed systems and has no relationship to INCITS Reference Models.

2.5 Recommended INCITS Development Technical Committee

T13

2.6 Anticipated Frequency and Duration of Meetings

T13 presently meets up to six times per year and authorizes ad hoc meetings as warranted for the needs of the projects. It is anticipated that these meetings are adequate to address this amendment among the other agenda items for these meetings.

2.7 Target Date for Initial Public Review (Milestone 4)

April 2009

2.8 Estimated Useful Life of Standard or Technical Report

5 years or more

3 Business Case for Developing the Proposed Standard

3.1 Description

This project would be an amendment to ANSI INCITS 452-2008 AT Attachment 8 - ATA/ATAPI Command Set (ATA8-ACS). The project would:

- Correct defects in ANSI INCITS 452-2008 AT Attachment 8 - ATA/ATAPI Command Set (ATA8-ACS)

3.2 Existing Practice and the Need for a Standard or Technical Report

A number of technical defects have been noted in the ATA8-ACS standard. This project would correct those defects.

3.3 Implementation Impacts of the Proposed Standard or Technical Report

3.3.1 Development Costs

Implementation costs are born on a voluntary basis by industry. Members of T13 have informed us that their companies consider the detailed costs to be confidential information.. Although the members consider the cost details to be confidential, they also consider the ultimate costs to be reduced by the benefits of the standard.

3.3.2 Impact on Existing or Potential Markets

The contemplated enhancements for ATA8-ACS are considered essential for the continued growth of the low end segment of the storage market and to the expansion into the consumer storage segment.

3.3.3 Costs and Methods for Conformity Assessment

No formal conformity assessment is undertaken. However each of the personal computer systems manufacturers have extensive qualification testing which on a voluntary basis assures the methods are exhaustively tested in the industry. The incremental cost is modest.

3.3.4 Return on Investment

The estimated ROI for development of this standard and the conformity assessment costs associated with it greatly exceeds 1000 to 1.

3.4 Legal Considerations

3.4.1 Patent Assertions

During the development of previous T13 standards several patent holders provided letters indicating that they would be willing to license patents related to the ATA/ATAPI interface in conformance with the INCITS patent policy. T13 will make regular calls for patents in the meetings addressing the standard.

3.4.2 Dissemination of the Standard

Drafts of this document will be disseminated electronically. Dissemination of the final standard will be restricted, as the document becomes the property of INCITS, ANSI, or ISO/IEC.

4 Related Standards Activities

4.1 Existing Standards

ANSI INCITS 452-2008 AT Attachment 8 - ATA/ATAPI Command Set (ATA8-ACS)

4.2 Related Standards Activity

T13 project 2015D ATA/ATAPI Command Set - 2 (ACS-2)

4.3 Recommendations for Coordinating Liaison

None

4.4 Recommendations for Close Liaison

None