

Project Proposal for A New Technical Report

1 Source of the Proposed Project

1.1 Title

ATA/ATAPI AV Streaming Command Set Usage Guidelines

1.2 Date Submitted

December 17, 2002

1.3 Proposer(s)

T13

2 Process Description for the Proposed Project

2.1 Project Type (*Development or Revision*)

D

2.2 Type of Document

Technical Report

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 NCITS Reference Models.

2.5 Recommended NCITS 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 technical report among the other agenda items for these meetings.

2.7 Target Date for Initial Public Review (*Milestone 4*)

December 2003

2.8 Estimated Useful Life of Technical Report

5 years or more

3 Business Case for Developing the Proposed Technical Report

3.1 Description

The ATA/ATAPI-7 Standard will include a new Streaming Command Set. The standard will describe the implementation of the streaming commands on disk drives. The purpose of the streaming command set is to assist audio/video applications for disk drives. The ATA/ATAPI AV Streaming Command Set Usage Guidelines technical report will describe the process used to develop the streaming commands, the underlying theory and example applications using the streaming command set for audio/video applications.

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

The ATA/ATAPI disk drive interface is described in the ATA/ATAPI standards. The description of the interface allows a disk drive manufacturer to produce a drive that complies to the standard. In the case of a complex new feature set, such as the Streaming Command Set, it is also useful to have documentation of the process used to design the feature set and the usage models that lead to the development of feature set. The technical report will gather information that is not incorporated in the standard but which may be useful guidance and advice to system developers who use the Streaming Command Set.

3.3 Implementation Impacts of the Proposed Standard or Technical Report

3.3.1 Development Costs

The technical report will be based on presentations, proposals, minutes and comments made during the development of the ATA/ATAPI-7 Streaming Command Set. The development cost of the technical report, principally editorial work, will be born on a voluntary basis by the members of the committee.

3.3.2 Impact on Existing or Potential Markets

The proposed ATA/ATAPI-7 Streaming Command Set will provide an opportunity to use a standard interface for audio/video applications for disk drives. The ATA/ATAPI AV Streaming Command Set Usage Guidelines technical report will assist developers of audio/video disk drive applications.

The target market for the technical report is all personal computer systems utilizing the ATA/ATAPI-7 Streaming Command Set.

3.3.3 Costs and Methods for Conformity Assessment

The technical report is a guideline. No conformity to the technical report recommendations is required.

3.3.4 Return on Investment

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

3.4 Legal Considerations

3.4.1 Patent Assertions

T13 will make regular calls for patents in the meetings addressing the technical report. There are none at this time

3.4.2 Dissemination of the Technical Report

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

4 Related Standards Activities

4.1 Existing Standards

none

4.2 Related Standards Activity

T13/1532D (ATA/ATAPI-7)

4.3 Recommendations for Coordinating Liaison

None

4.4 Recommendations for Close Liaison

IDEMA Japan