

Project Proposal for A New Technical Report

1 Source of the Proposed Project

1.1 Title

ATA/ATAPI AV 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)

DT

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 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 technical report among the other agenda items for these meetings.

2.7 Target Date for Initial Public Review (Milestone 4)

August 2004

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 T13/1532D AT Attachment - 7 with Packet Interface (ATA/ATAPI-7) Standard will include two new audio/visual command sets, the Streaming Command Set, and the AV Lite Command Set. The standard will describe the implementation of the audio/video (AV) commands on disk drives. The purpose of the AV command sets are to assist AV applications for disk drives. The ATA/ATAPI AV Command Set Usage Guidelines technical report will describe the process used to develop the AV commands, the underlying theory and example applications using the AV command sets 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 T13/1532D AT Attachment - 7 with Packet Interface (ATA/ATAPI-7) draft standard. The description of the interface allows a disk drive manufacturer to produce a drive that complies to the standard. In the case of complex new feature sets, such as the AV command sets, it is also useful to have documentation of the process used to design the feature sets and the usage models that lead to the development of the feature sets. The technical report will gather information that will not be incorporated in the standard but which may be useful guidance and advice to system developers who use the AV command sets.

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 T13/1532D AT Attachment - 7 with Packet Interface (ATA/ATAPI-7) Streaming Command Set will provide a standard interface for audio/video applications for disk drives. The ATA/ATAPI AV 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 T13/1532D AT Attachment - 7 with Packet Interface (ATA/ATAPI-7) AV commands sets.

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 INCITS, ANSI, or ISO/IEC.

4 Related Standards Activities

4.1 Existing Standards

none

4.2 Related Standards Activity

T13/1532D AT Attachment - 7 with Packet Interface (ATA/ATAPI-7)

4.3 Recommendations for Coordinating Liaison

None

4.4 Recommendations for Close Liaison

International Disk Drive Equipment and Materials Association (IDEMA) Japan