

**Project Proposal
for an amendment to an
INCITS Standard**

**Protected Area Run Time Interface Extension Services
ANSI INCITS 346-2001**

14 November 2006

1 Source of Proposed Project

1.1 Title: Protected Area Run Time Interface Specification Amendment 1

1.2 Date Submitted: 14 November 2006.

1.3 Proposing Group: T13.

2 Process Description for the Proposed Project

2.1 Project Type: R - Revision.

2.2 Type of Document: Amendment to a standard

2.3 Definitions of Concepts and Special Terms: none.

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

None, it is expected that this standard will be used in closed systems.

2.5 Recommended INCITS Development Technical Committee: T13.

2.6 Anticipated Frequency and Duration of Meetings

Technical Committee T13 meets on a regularly scheduled basis (see <http://www.t13.org> for the current meeting schedule). Specific task ad hoc groups are called as required between the regular meetings but their results are not binding. It is anticipated multiple interim working group meetings will be scheduled to align with T10 meetings as part of the T10 SCSI/ATA Translation Working Group meetings.

2.7 Target Date for Initial Public Review (Milestone 4): June 2007.

2.8 Estimated Useful Life of Standard or Technical Report: 5 Years.

3 Business Case for Developing the Proposed Standard or Technical Report

3.1 Description

An amendment to PARTIES is desired to provide technical modifications to the standard to allow the SAT-2 standard, in development by technical committee T10 to implement functionality necessary to the translation of SCSI behavior for ATA devices. The PARTIES standard provides for the division of a host protected area into multiple segments that have differing functionality. This amendment would change the extended the definition of the service entries to uniquely identify a SATL working space.

3.2 Existing Practice and the Need for a Standard

There are many existing mechanisms for SCSI to ATA translation layers to reserve space, however there is no standardized way for a host or SATL to identify space that may have been reserved for a different manufacturers SATL. Extending the PARTIES interface allows T10 to define behavior for a SATL to reserve space for its use and have that reservation honored by other SCSI-ATA translation units. The amendment merely provides a mechanism to identify such space, it is expect that technical committee T10 will define the use of such reserved space as part of the SAT-2 project.

3.3 Implementation Impacts of the Proposed Standard

3.3.1 Development Costs

Members of T13 will provide the necessary resources. The T13 members will host the required meetings for development, provide for the necessary lab experiments, and provide the Technical Editor for the project.

3.3.2 Impact on Existing or Potential Markets

This proposed project is intended to provide a consistent standardized usage for space reservation for a SATL using a host protected area of an ATA device.

3.3.3 Costs and Methods for Conformity Assessment

The committee will consider the results of testing as may be available to the committee through the voluntary efforts of the various participants in T13. With this method all costs are borne by the organizations of the various participants and have for the most part been mainly an adjunct of their normal development costs.

3.3.4 Return on Investment

ROI information is considered proprietary data by the member organizations, but members have stated that the ROI is expected to be large.

3.4 Legal Considerations

3.4.1 Patent Assertions

Calls will be made to identify assertions of patent rights in accordance with the relevant INCITS, ANSI, and ISO/IEC policies and procedures.

3.4.2 Dissemination of the Standard or Technical Report

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

4 Related Standards Activities

4.1 Existing INCITS / ANSI Standards:

ID Number	Title
INCITS.346:2001	Protected Area Run Time Interface Specification (PARTIES)

4.2 Related Standards Activity

ID Number	Title
T10/1826D	SCSI-ATA Translation-2 (SAT-2)

4.3 Corresponding ISO projects

ID Number	Title
None	

4.4 Recommendations for Close Liaison

Technical Committee T10.

5 Units of Measurement used in the Standard

Not measurement sensitive.