

Project Proposal for

A New or Revised Standard or Technical Report

1 Source of the Proposed Project

1.1 Title

DRQ =0 When ERR=1 Feature Technical Report

1.2 Date Submitted

3/2/2005

1.3 Proposer(s)

T13

2 Process Description for the Proposed Project

2.1 Project Type

Development.

2.2 Type of Document

Technical Report.

2.3 Definition 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 standard among the other agenda items for these meetings.

2.7 Target Date for Initial Public Review (Milestone 4)

Feb 2005

2.8 Estimated Useful Life of Standard or Technical Report

Ten years or more.

3 Business Case for Developing the Proposed Standard or Technical Report

3.1 Description

Under this proposal a new Set Features function which enables a host to indicate to a device that the DRQ status bit is to be zero whenever the error bit is set to 1. This proposal also sets aside a supported bit and an enabled bit in new Identify Device words allocated for feature support/enabled reporting.

3.2 Existing Practice and the Need for a Standard

This feature is currently shipping in products today. This also will allow access to this feature in a standard format so other HDD and hosts manufactures may implement it.

3.3 Implementation Impacts of the Proposed Standard

3.3.1 Development Costs

All costs are borne by the organizations of the participants and have for the most part been an adjunct of their normal development costs. Specific costs are considered by the participants to be proprietary.

3.3.2 Impact on Existing or Potential Markets

This feature is currently shipping in products today. This also will allow access to this feature in a standard format so other HDD and hosts manufactures may implement it.

3.3.3 Costs and Methods for Conformity Assessment

The return on investment is considered to be high. Specific ROI for each organization is considered by the participants to be proprietary.

3.4 Legal Considerations

3.4.1 Patent Assertions

Some definitions in ATA/ATAPI-4, -5, -6, and -7 were declared to be covered by patents for which the patent holder provided statements of willingness to license under terms complying with the ANSI patent policy. Those definitions are expected to be included in this technical report. Beyond that T13 will make regular calls for patents in the meetings addressing the standard.

3.4.2 Dissemination of the Standard

Drafts of this standard will be disseminated electronically. Dissemination of the final standard will be restricted as the document becomes the property of NCITS or ANSI. T13 is not aware of any IPR assertions that will hinder this distribution.

4 4. Related Standards Activities

4.1 Existing Standards

INCITS 397-2005 AT Attachment with Packet Interface (ATA/ATAPI-7).

4.2 Related Standards Activity

T13/1699D ATA/ATAPI Command Set (ATA8-ACS).

4.3 Recommendations for Coordinating Liaison

None.

4.4 Recommendations for Close Liaison

None.