Project Proposal
For a New
NCITS Standard

Reduced Block Command Set — 2

(RBC-2)

May 3, 2001

1. Source of the Proposed Project

1.1. Title: Reduced Block Command Set — 2 (RBC-2)

1.2. Date Submitted: May 3, 2001

1.3. Proposing Group: T10, 8 members of T10 are also members of NCITS.

2. Process Description for the Proposed Project

2.1. Project Type:

D - Development

2.2. Type of Document:

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 NCITS Development Technical Committee:

T10

2.6. Anticipated Frequency and Duration of Meetings

Technical Committee T10 meets on a regularly scheduled basis (see www.t10.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.

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

November, 2002

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:

The Reduced Block Command set -2 is based on Reduced Block Command set that provides for commands to be implemented on multiple interfaces such as parallel SCSI, ATA/ATAPI, SBP-3 (1394), and Fibre Channel. The following items should be considered for inclusion in RBC-2:
       1) options for improving operation with new serial interconnect;
       2) incorporating revisions and corrections to RBC,
       3) other capabilities that may fit within the general application scope of this project.

3.2. Existing Practice and the Need for a Standard:

The proposed project involves a compatible evolution of the present RBC command set to provide for newly developed functionality within serial interfaces.

3.3. Implementation Impacts of the Proposed Standard:

3.3.1. Development Costs

Members of T10 will provide the necessary resources. The T10 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

The nature of the proposed project is to provide for growth in the Reduced Block Command Set (RBC). This ensures that current investments in RBC will have a stable managed migration path in the face of technological developments.

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 T10. 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 greater than 1000 to 1.

3.4.   Legal Considerations

3.4.1.   Patent Assertions

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

4.   Related Standards Activities:

4.1.   Existing Standards:

BSR Number	Title	Project
X3.270:1996	SCSI-3 Architecture Model (SAM)	0994-M
NCITS.336:2000	SCSI Parallel Interface - 3 (SPI-3)	1142-D
NCITS.330:2000	Reduced Block Command Set (RBC)	1240-D
NCITS.340:2000	At Attachment with Packet Interface ATA/ATAPI-5	
NCITS.325:1998	Serial Bus Protocol Version 2 (SBP-2)	1155-M
IEEE 1394-1995	IEEE High Performance Serial Bus as amended by IEEE Std 1394a-2000	

4.2.   Related Standards Activity:

BSR Number	Title	Project
	Serial Bus Protocol Version 2 (SBP-2)	1467-D
	SCSI Primary Commands - 3 (SPC-3)	1416-D
	SCSI Architecture Model - 2 (SAM-2)	1157-D

4.3.   Corresponding ISO projects:

	Title	Project
	Reduced Block Command Set (RBC)	14776-326

4.4.   Recommendations for Coordinating Liaison:

None

4.5.   Recommendations for Close Liaison:

None