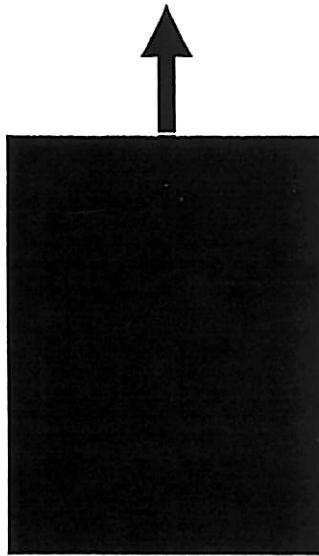


SCSI Diagnostic Command Set

Current Situation

RECEIVE DIAGNOSTIC RESULTS



← SEND DIAGNOSTICS

Diagnostic
Pages

- * Impure SCSI
- * Difficult to write Applications
- * Totally Non-Standardized

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X3T9.2/89-136

SCSI Diagnostic Command Set

X3B7.1 Proposal

- * Extension of SEND/REC Diagnostics
- * Additional Pages Added

Advantages:

Attempt to Standardize

Disadvantages:

Pages are Clumsy

Only "Canned" Routines

Firmware Decode is huge

Not Extendable easily

SCSI Diagnostic Command Set

Western Digital Proposal

SCSI "Personalities": Standard and Diagnostic

- * Utilize all SCSI Mechanisms
- * Preserve Entire Logical Command Set
- * Simple Command Extensions
- * No mandatory removal of other methods
- * Firmware implementation straight forward
- * Vendor Unique is truly meaningful
- * Standardization for Test Manufacturers

SCSI Diagnostic Command Set

Western Digital Proposal

Detection:

- * DCS Bit in INQUIRY

Enable/Disable:

- * Control Mode Page (0Ah)

Modified Commands:

- * MODE SELECT, MODE SENSE

New Commands:

MANDATORY:

- Read Physical
- Write Physical
- Translate Address
- Set Cylinder Offset
- Set Data Separator
- Read ID

OPTIONAL:

- Format Track
- Format Sector
- DC Erase

VENDOR UNIQUE

- You Decide !