Discussion of 00-211r2
Corrections to SCSI
EXTENDED COPY

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Outline

- Reasons for changes to EXTENDED COPY
- Process, goals and constraints
- Key provisions
Reasons for change

- Ambiguity in data results when CAT=1 for:
  - Multiple sources, multiple targets
  - StreamToDiscard and InlineToStream together
  - Data held for application client
- Ambiguity/impreciseness of error reporting
  - Lost frames; commands aborted
  - Imprecise target state
- Unnecessary limitations
  - StreamToStream in blocks
  - "Errors of intent"
Process, goals and constraints

- Behavior consensus in SNIA (Backup Working Group)
  - XC "providers" and "consumers"
- Write/edit with Ralph Weber, Greg Prestas
- Predictability, Implementability
- Compatibility with code "in place"
- Enable advanced uses
Characteristics

- Residual data ("CAT data") anonymous
  - Not allied to a target device
  - Required for implementability and predictability
- "Open box" not black box
  - Simpler expression of residual data handling
  - Copy manager not expected to understand target devices
Key Provisions

- Source and destination data "pipes" for CAT, PAD handling
- Clearer error reporting
  - Sense data preservation/RCR retrieval
  - Distinguish target failures
- RECEIVE COPY RESULTS enhancements
Copy manager data pipes

SOURCE PIPE

DEST PIPE

EMBEDDED OR INLINE DATA

DISCARD

APP CL PIPE

RCR DATA

DISK OR TAPE

DISK OR TAPE