

3/11/94

ANSI/AIIM MS59-199X

Proposed American National Standard for Information Systems

Media Error Monitoring and Reporting Techniques for Verification of Information Stored on Optical Digital Data Disks

> W. E. Burt MIST 101-075-2914

AIIM

(Association for Information and Image Management)

- ANSI accredited standards org.
- Document image systems standards
 - started with micrographics
 - now addressing optical disk and scanners
- Over 100 standards and projects

AIIM C21: Optical Disk Applications

- Media error monitoring and reporting (EMR) techniques for optical disk
- Description and use of optical disk media standards for workplace
- Gidelines on the use of EMR for the verification of information on optical disk-based information systems

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"Archival" Storage

- Different meanings for different folks
 - Computer usage typically 5 to 10 years
 media obsolete by then anyhow
 - » still is lots of data on .5 inch open reel tape
 - Records managers want many decades
 » often need records for a human lifetime
 - Real archivists want many centuries
 good quality paper can last centuries
 photographic materials may last centuries

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Optical Storage is Becoming Archival Medium of Choice

- Digital
 - many records today are digital
 - noisless replication
- High capacity removable media
- Direct access
- Relatively long media life claimed
 - probably is better than tape
 - still is uncertain

Optical Media Impermanent

- Don't know media lifetime accurately
 - few convincing studies
 - » optical media is relatively new
 - media changes rapidly
 - media formulations change frequently, even for the same product from the same vendor
 - » new technologies are introduced
- ECC may mask deteriorating media

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MS59 Inquiry Command (Vital Product Data Page Codes) Page Code Description C1h Current Threshold Values Page for SCSI-2 (this code is Vendor Uinque in SCSI-2) A1h Current Threshold Values Page for SCSI-3 (this code is Reserved in SCSI-2)

MS59 Status

- C21 Letter ballot passed
- AllM Standards Board ballot passed
- AllM membership ballot closed Mar. 4 editorial comments
- Scheduled to be submitted to ANSI for futher processing

ISO TC 171

■ MS59 is base working document for Error Monitoring and Reporting (EMR) – CD 12142:

Requested SCSI-3 Page Codes

for Media Error Monitoring and Reporting in Optical Memory Devices

| Description | Page Code |
|---|--------------|
| Mode Page Code: Media Errors Device Parameters Page | 1Eh |
| Inquiry Vital Product Data Page Code: Media Ептог Log Page | A0h |
| | A1h |

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For more information or to comment on MS59 Contact:

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