X3T10/95-289r0

TO: X3T10 SSC/SMC Interested Parties

FROM: Roger Cummings, StorageTek

SUBJECT: Current list of X3B5 Media Standards

Please find attached a list of current TC X3B5 standards which define either tape media or tape media formats. These have been extracted from the SD-4 for the purpose of defining a set of media references for standards in both the SCSI-3 and IPI-3 families.

An attempt has been made to classify these standards in terms of the type of media to which they refer. However this process has been made more difficult by the breadth of media types currently supported, and by the fact that it is difficult to find a authoritative source for knowledge of all types.

Therefore, please let me know if you know of:

a) Any ANSI tape media or tape media format standard is which omitted;

b) Any of the referenced standards which is classified incorrectly.

Hopefully creating a good list of media standards at this time will avoid problems later with incorrect references as per SCSI-2.

Regards,

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X3B5 MEDIA & MEDIA FORMAT STANDARDS

Round Tape

X3.22:1983   [R1990]
Recorded Magnetic Tape for Information Interchange (800 CPI, NRZI)

X3.39:1986   [R1992]
Recorded Magnetic Tape for Information Interchange (1600 CPI, PE)
X3.54:1986   [R1992]
Recorded Magnetic Tape for Information Interchange (6250 CPI, Group-Coded Recording)

QIC

X3.56:1986   [R1991]
Recorded Magnetic Tape Cartridge for Info. Interchange, 4-Track, 0.250 Inch (6.30 mm), 16500

X3.72:1981   [R1993]
Parallel Recorded Magnetic Tape Cartridge for Information Interchange, 4-Track, 0.250 Inch

X3.250:   []
Recorded Magnetic Tape Mini-Cartridge for Information Interchange, 0.250 in (630 mm), 12 and 24 Tracks, 10000 bpi (394 bpmm) GCR

4MM

X3.158:1987   [R1993]
Serial Recorded Magnetic Tape Cassette for Information Interchange - 0.150 in (3.82 mm), 8000 bpi (315 bpmm) Group Code Recording, Streaming Mode, Four Tracks

X3.203:1992   []
Helical-Scan Digital Computer Tape Cartridge, 3.81 mm (0.150 in) - Digital Data Storage (DDS) Recorded Format for Information Interchange

X3.205:1992   []
Helical-Scan Digital Computer Tape Cartridge, 3.81 mm (0.150 in), DATA/DAT Recorded Format for Information Interchange

A/I 11557:1992   [1994]
Information Technology - 3.81 mm Wide Magnetic Tape Cartridge for Information Interchange - Helical Scan Recording-DDS-DC Format Using 60 m and 90 m Length Tapes

X3.233:1994   []
Helical-Scan Digital Computer Tape Cartridge for Information Interchange (3.8 -mm (0.150 in), Data/DAT-DC Recorded Format)

8MM

A/I 11319:1993   [1993]
Information Technology - 8mm Wide Magnetic Tape Cartridges for Information Interchange - Helical Scan Recording

3480

X3.180:1990   []
Magnetic Tape and Cartridge for Information Interchange, 18-Track, Parallel, 12.65mm (1/2 in.) 1491 cpmm (37 871 cpi) Group-Coded, Requirements for Recording

X3.224:1994   []
Extended Tape Format for Information Interchange, (18-Track, Parallel, 12.65 mm (0.50 in), 1491 cpmm (37 871 cpi), Group-Coded Recording)

X3.261:   []
Extended Magnetic Tape Format for Information Interchange 36-track, Parallel Serpentine, 12.65 mm (0.50 in), 1491 cpmm (37 871 cpi) Group-Coded Recording

X3.265:   []
Unrecorded Magnetic Tape Cartridge for Information Interchange, 36-Track, Parallel Serpentine, Extended Length, 12.57 mm (0.495 in), 1944 ftpmm (49 378 ftpi), Group-Coded Recording

DEC (Quantum)

X3.181:1990   []
Recorded Magnetic Tape Cartridge for Information Interchange 0.500 in, 22 and 48 Tracks Serial Serpentine 6 667 and 10 000 bpi

X3.242:1994   []
Magnetic Tape Cartridge for Information Interchange, .50 in (12.65 mm) Serial Serpentine, 48-Track, 42 500 bpi (1 673 bpmm), DLT1 Format

X3.266:   []
Magnetic Tape Cartridge for Information Interchange, .50 in (12.65 mm), Serial Serpentine, 112-Track, 42 500 bpi (1673 bpmm) (DLT2 Format)

Archive

X3.227:   []
Recorded Magnetic Tape Mini-Cartridge for Information Interchange - Serial, 0.250 in (6.30 mm) 20 Tracks, 10 000 bpi (394 bpmm) and 28-Track 14 7000 bpi (579 bpmm), MFM Encoded

X3.204:1992   []
Recorded Magnetic Tape Cartridge for Information Interchange 15 &18 Tracks, 0.250 in (6.30 mm), 10 000 bpi (394 bpmm), Streaming Mode, Group Code Recording

X3.243:   []
Serial Magnetic Tape Cartridge for Information Interchange, 26 Tracks, 0.250 in (6.35 mm), 16 000 bpi (630 bpmm) Streaming Mode, Group Coded Recording

Helical
X3.175:1989   [R1995]
19-mm Type ID-1 Recorded Instrumentation - Digital Cassette Tape Format

X3.264:   []
Unrecorded Helical-Scan Digital Computer Tape Cartridge for Information Interchange, 19 mm (0.748 in)

CD 14417:   []

Flexible Magnetic Meida for Digital Data Interchange - 19mm (0,748 in) Helical-Scan Digital Computer Tape Cassette (Type DD-1)

X3.267:   []
Helical-Scan Digital Computer Tape Cartridge, 12.65 mm (0.498 in) for Information Interchange

X3 Project: 899 - I
:   []
Helical-Scan, Co-planar Digital Computer Tape Cartridge for Information Interchange, 12.65 mm (0.50 in), 2183 ftpmm (55 450 ftpi)

Compression

X3.223:   []
Data Compression Algorithm - Adaptive Coding with Embedded Dictionary (DCLZ Algorithm) for Information Interchange

X3.225:1994   []
Compaction Algorithm, Binary Arithmetic Coding

X3.241:1994   []
Data Compression Method, Adaptive Coding with Sliding Window for Information Interchange

X3 Project:1073 - D
:   []
ALDC Compression Algorithms for Information Interchange