



DEVELOPMENT STANDARD

QIC-110
Revision A
19 Apr 88

SERIAL RECORDED MAGNETIC TAPE CARTRIDGE FOR LOGICAL INFORMATION INTERCHANGE

Streaming Mode
Read-While-Write
0.250 in. (6.35 mm)
26 Tracks
Transition Density: 20,000 fpi (787 ftpmm)
Data Density: 16,000 bpi (630 bpmm)
GCR 0,2 4,5 Encoding
Reed-Solomon ECC
Host Interchange Format As Specified

Formatted Capacity: 110 Mbytes
(with DC2000+ Mini Data Cartridge or Equivalent)

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(See important notices on following page)

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1.0 SCOPE AND INTRODUCTION

1.1 Scope

This Standard provides a format and recording standard for a streaming 0.250 inch (6.3mm) wide, 26 track, magnetic tape in a cartridge to be used for information interchange between information processing systems, communication systems, and associated equipment utilizing a standard code for information interchange, as agreed upon by the interchange parties. The Standard provides a capacity of 110 Mbytes of formatted data on a single cartridge using read-while-write verification and error correction codes.

This standard refers solely to recording on the 0.250 inch (6.30mm), magnetic tape cartridge. It compliments the proposed American National Standard Unrecorded Magnetic Tape Cartridge for Information Interchange, 0.250 inch (6.30 mm), 20,000 ftpi (787 ftpmm), X3B5/85-135 (or the latest revision), where the following sections are dealt with in detail: general requirements, definition, tape and cartridge, physical and magnetic requirements, speed requirements, and write enable feature. Compliance with the unrecorded standard is a requirement for information interchange. To meet the performance requirements in this standard may require media certification beyond media certified to this ANSI standard.

This standard facilitates information interchange through the use of development standards at two levels. The first level is the physical tape format. The second level is the logical tape format, for host data interchange.

CAUTION NOTICE: The user's attention is called to the possibility that compliance with this standard may require use of an invention covered by patent rights. By publication of this standard, no position is taken with respect to the validity of any patent rights.

2.0 DEVELOPMENT STANDARD

- 2.1 Conformance with QIC 110 requires strict adherence to the following development standards.

QIC 2110 - Development Standard for Serial Recorded Magnetic Tape Cartridge For Information Interchange

QIC 113 - Host Interchange Format