

Storage, transportation and maintenance of media for use in data processing and information storage —

Part 4: Recommendations for magnetic tape cartridges and cassettes

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Information Systems Technology Standards Committee (IST/-) to Technical Committee IST/4, upon which the following bodies were represented:

- Association for Payment Clearing Services
- British Computer Society Ltd.
- British Telecommunications plc
- Business Equipment and Information Technology Association
- Department of Trade and Industry (National Physical Laboratory)
- HM Treasury (Central Computer and Telecommunications Agency)
- Institute of Administrative Management
- Institute of Quality Assurance
- Institution of Electrical Engineers
- Institution of Electronic and Radio Engineers
- Institution of Mechanical Engineers
- National Computing Centre Ltd.
- Post Office

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Foreword

This Part of BS 4783 has been prepared under the direction of the Information Systems Technology Standards Committee. It has been developed from advice and information provided by Government computing departments, magnetic media suppliers, manufacturers and users.

The use of high-grade materials and modern production techniques, that include rigorous testing and inspection, ensures that tape cartridges and cassettes are manufactured to exacting standards. To continue to benefit from the care taken during manufacture, and to ensure optimum performance from a product during its life, the user should exercise care, and this British Standard gives appropriate advice.

Manufacturers' publications often cover some of the advice given and, where available, should be read in conjunction with this standard.

BS 4783 is being issued in four Parts as follows:

- *Part 1: Recommendations for disk packs, storage modules and disk cartridges;*
- *Part 2: Recommendations for magnetic tape on open spools;*
- *Part 3: Recommendations for flexible disk cartridges;*
- *Part 4: Recommendations for magnetic tape cartridges and cassettes.*

The following British and international standards are relevant to magnetic tape cartridges and cassettes.

BS 5079, *Specification for information interchange on 3.81 mm (0.150 in) magnetic tape cassette at 4 cpmm (100 cpi), phase encoded at 63 ftpmm (1 600 ftpi).*

BS 6266, *Code of practice for fire protection for electronic data processing installations.*

ISO 2382, *Data processing — Vocabulary — Section 12 Data media, storage and related equipment.*

ISO 3407, *Information processing — Information interchange on 3.81 mm (0.150 in) magnetic tape cassette at 4 cpmm (100 cpi), phase-encoded at 63 ftpmm (1 600 ftpi).*

ISO 4057, *Information processing — Data interchange on 6.30 mm (0.25 in) magnetic tape cartridge, 63 bpmm (1 600 bpi) phase-encoded.*

ISO 8063, *Information processing — Data interchange on 6.30 mm (0.25 in) wide magnetic tape cartridge, using IMFM recording at 252 ftpmm (6 400 ftpi) — Part 1 Mechanical, physical and magnetic properties — Part 2 Track format and method of recording for data interchange in start/stop mode.*

ISO 8462, *Information processing — Data interchange on 6.30 mm (0.25 in) wide magnetic tape cartridge, using GCR recording at 394 ftpmm (10 000 ftpi), 39 cpmm (1 000 cpi) — Part 1 Mechanical, physical and magnetic properties — Part 2 Streaming mode.*

A British Standard giving recommendations for the accommodation and environment of computer installations is in preparation.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, pages 1 to 8, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.