

Graphic technology — Prepress digital data exchange — Colour picture data on magnetic tape

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Paper and Printing Standards Policy Committee (PAM/-) to Technical Committee PAM/43, upon which the following bodies were represented:

- British Federation of Printing Machinery and Supplies Ltd.
- British Kinematograph, Sound and Television Society
- British Printing Industries Federation
- British Rubber Manufacturers' Association Ltd.
- Her Majesty's Stationery Office
- Institute of Printing
- Metal Packaging Manufacturers' Association
- National Graphical Association
- Newspaper Society
- Periodical Publishers' Association Ltd.
- Society of British Printing Ink Manufacturers

This British Standard, having been prepared under the direction of the Paper and Printing Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 15 October 1992

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National foreword

This British Standard has been prepared under the direction of the Paper and Printing Standards Policy Committee. It is identical with ISO 10755:1992 *Graphic technology — Prepress digital data exchange — Colour picture data on magnetic tape* published by the International Organization for Standardization (ISO).

Cross-references

International Standard	Corresponding British Standard
ISO/IEC 646:1991	BS ISO/IEC 646:1991 <i>Information technology. ISO 7-bit coded character set for information interchange</i> (Identical)
ISO 1001:1986	BS 4732:1988 <i>Specification for file structure and labelling of magnetic tape for information interchange</i> (Identical)
ISO/IEC 3788:1990	BS ISO/IEC 3788:1990 <i>Information processing. 9-track, 12,7 mm (0,5 in) wide magnetic tape for information interchange using phase enclosing 126 ftp mm (3 200 ftpi), 63 cpmm (1 600 cpi)</i> (Identical)
ISO 5652:1984	BS ISO 5652:1984 <i>Information processing. 9-track, 12,7 mm (0,5 in) wide magnetic tape for information interchange — Format and recording, using group coding at 246 cpmm (6 250 cpi)</i> (Identical)

The Technical Committee has reviewed the provisions of ISO 1864, to which normative reference is made in the text, and has decided that they are acceptable for use in conjunction with this standard.

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 and ii, pages 1 to 10, 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.

Introduction

The technical content of this International Standard is identical to that of American National Standard IT8.1-1988. The ANSI document was circulated for ISO approval as a fast-track document at the request of the 1989 plenary meeting of ISO/TC 130 and subsequent to its approval was restructured to be in accordance with part 3 of the *IEC/ISO Directives*. The IT8 document itself resulted from the joint efforts of an international industry group that included participants representing all of the major prepress vendors in the world. That group, initially identified as the DDES (Digital Data Exchange Standards) Committee, later became the founders of the ANSI IT8 (Image Technology) accredited standards committee which is responsible for electronic data exchange standards in graphic arts prepress.

1 Scope

This International Standard specifies a format for magnetic tape that will enable colour picture data transfer between colour electronic prepress systems manufactured by different vendors.

2 Conformance

A DDES implementation shall be in conformance with this International Standard if it meets the requirements of clauses 6 to 8 excepting those requirements specifically identified as non-UEF and EUEF. Non-UEF and EUEF, if used, shall be written as specified but are optionally read.

3 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO/IEC 646:1991, *Information technology — ISO 7-bit coded character set for information interchange*.

ISO 1001:1986, *Information processing — File structure and labelling of magnetic tapes for information interchange*.

ISO 1864:1985, *Information processing — Unrecorded 12,7 mm (0,5 in) wide magnetic tape for information interchange — 32 ftpmm (800 ftpi) NRZ1, 126 ftpmm (3 200 ftpi) phase encoded and 356 ftpmm (9 042 ftpi) NRZ1*.

ISO/IEC 3788:1990, *Information processing — 9-track, 12,7 mm (0,5 in) wide magnetic tape for information interchange using phase encoding at 126 ftpmm (3 200 ftpi), 63 cpmm (1 600 cpi)*.

ISO 5652:1984, *Information processing — 9-Track, 12,7 mm (0,5 in) wide magnetic tape for information interchange — Format and recording, using group coding at 246 cpmm (6 250 cpi)*.

4 Definitions

For the purposes of this International Standard, the following definitions apply.

4.1

digital data exchange specification (DDES)

a method of sharing digitally encoded information between cooperating systems

4.2

user exchange format (UEF)

the basic features that a system should implement to be in accordance with this International Standard

4.3

extended user exchange format (EUEF)

optional features that a system may implement in addition to the UEF features

4.4

non-UEF

vendor specific features not defined in this International Standard

4.5

decimal point notation

the expression of a decimal number in a numeric field as a string of numeric characters (ISO/IEC 646 positions 3/0 to 3/9), with optional decimal point (ISO/IEC 646 position 2/14 — full stop)

5 Symbols and abbreviations

The following symbols and abbreviations are used in this International Standard:

BP:	Byte position within a label. For ease of use with ISO 1001, byte positions start at 1.
L:	Length of field in number of byte positions.
SPACE or b:	The character coded in position 2/0 of ISO/IEC 646.
ZERO:	The character coded in position 3/0 of ISO/IEC 646.