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INTERNATIONAL STANDARD

ISO/IEC 14417

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Information technology — Data recording format DD-1 for magnetic tape cassette conforming to ISO/IEC 1016

*Technologies de l'information — Format d'enregistrement des données
DD-1 pour cassette à bande magnétique conforme à l'ISO/CEI 1016*



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Contents

1 Scope	1
1.1 Purpose.....	1
2 Conformance	1
2.1 Magnetic tape cassettes.....	1
2.2 Generating systems	1
2.3 Receiving systems.....	1
3 Normative References	1
4 Definitions	1
4.1 Auxiliary data.....	1
4.2 Annotation record	2
4.3 Annotation tracks.....	2
4.4 Average Signal Amplitude (ASA).....	2
4.5 azimuth.....	2
4.6 block.....	2
4.7 byte.....	2
4.8 Codeword Digital Sum (CDS).....	2
4.9 Data area	2
4.10 Data area reference line	2
4.11 Data area reference point.....	2
4.12 Data field.....	2
4.13 Digital Sum Variation (DSV).....	2
4.14 Dropout	2
4.15 Erase.....	2
4.16 Erasing field.....	2
4.17 Equivalent reference edge.....	2
4.18 flux transition spacing.....	3
4.19 Helical (data) record	3
4.20 Helical track.....	3
4.21 Home track ID	3
4.22 Inner code	3
4.23 Leader	3
4.24 Logical volume	3
4.25 magnetic tape	3

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4.26 Master Standard Reference Tape.....	3
4.27 Outer code.....	3
4.28 physical recording density.....	3
4.29 Postamble.....	3
4.30 Preamble.....	3
4.31 reference edge.....	3
4.32 reference field.....	3
4.33 Resolution.....	3
4.34 Secondary Standard Reference Tape.....	4
4.35 Sector.....	4
4.36 Sector recording tolerance.....	4
4.37 Standard Reference Amplitude.....	4
4.38 Standard Reference Current.....	4
4.39 Sync pattern.....	4
4.40 Tape mark.....	4
4.41 Tolerance zones.....	4
4.42 track.....	4
4.43 track angle.....	4
4.44 Track Set.....	4
4.45 Track Set ID (TSID).....	4
4.46 Volume set.....	4
5 Conventions and notations.....	5
5.1 Representation of numbers.....	5
5.2 Names.....	5
5.3 Acronyms.....	5
6 Environmental and safety.....	6
6.1 Testing environment.....	6
6.2 Operating environment.....	6
6.3 Cassette conditioning.....	6
6.4 Storage environment.....	6
6.5 Safety.....	6
7 Cassette.....	7
7.1 General description.....	7
7.2 Dimensions.....	7
7.3 Identification holes.....	7
8 Tape mechanical and electrical properties.....	8
8.1 Materials.....	8
8.2 Tape width and tolerance.....	8
8.3 Delta width.....	8
8.4 Reference edge straightness.....	8
8.5 Tape thickness.....	8

8.6 Magnetic recording surface coating thickness.....	8
8.7 Tape length	8
8.8 Discontinuity.....	9
8.9 Longitudinal curvature.....	9
8.10 Out-of-plane distortions	9
8.11 Leaders, trailers and splices.....	9
8.12 Tape wind	9
8.13 Tensile yield force	9
8.14 Inhibitor tape.....	9
8.15 Electrical resistance of the magnetic coating and back surface	10
8.16 Layer-to-layer adhesion	11
8.17 Coating adhesion.....	12
8.18 Residual elongation.....	12
8.19 Tape cupping	12
8.20 Light transmittance of the tape and the leader.....	13
9 Magnetic properties.....	13
9.1 Magnetic coating.....	13
9.2 Ease of erasure	13
9.3 Average signal amplitude	13
9.4 Resolution	13
9.5 Typical field.....	13
9.6 Tape quality	13
10 Format for helical tracks	14
10.1 General description of the write data path (figure 4)	14
10.2 Formation of a Logical Track Set.....	16
10.3 Data structuring.....	16
10.4 Track types.....	18
10.5 Subcode generation.....	23
10.6 Information processing	24
10.7 Error protection of data.....	25
11 Formation of a sector	32
11.1 Overview.....	32
11.2 Sector details.....	33
11.3 Recording method.....	35
11.4 Record optimization.....	35
11.5 Helical tracks	35
11.6 Longitudinal tracks	38
11.7 Recorded information.....	41
11.8 Write retry sequence.....	44
11.9 Append file operation.....	45

Annexes

A	Measurement of light transmittance	46
B	Tables.....	49
C	Append file and file termination.....	57
D	Examples of subcode data fields in sequences of track type.....	63
E	Recommendations for transportation.....	65
F	Error management systems.....	66
G	Secondary reference tape user procedure.....	74
H	Example of data record termination.....	76
I	Physical to logical data structure mapping	77
	Bibliography	78

Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

International Standard ISO/IEC 14417 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 11, *Flexible magnetic media for digital data interchange*.

Annexes A to C form an integral part of this International Standard. Annexes D to I are for information only.

Information technology - Data recording format DD-1 for magnetic tape cassette conforming to IEC 61016

1 Scope

This International Standard specifies the media characteristics, the recorded tape format and file structure requirements to enable information interchange between information processing systems using 19,0 mm wide magnetic tape and cassette conforming to IEC 61016 Section 2.

1.1 Purpose

The purpose of this International Standard is to define the format necessary to ensure information interchange at acceptable performance levels.

The interchange parties complying with the applicable standards should be able to achieve compatibility without the need for additional exchange of technical information.

2 Conformance

2.1 Magnetic tape cassettes

Each size / capacity of magnetic tape cassette shall be in conformance with this International Standard if it satisfies all mandatory requirements of this International Standard and IEC 61016 Section Two. If both Standards specify the same subjects differently, then this International Standard shall prevail. The tape requirements shall be satisfied throughout the extent of the tape.

2.2 Generating systems

A system generating a magnetic tape cassette for interchange shall be entitled to claim conformance with this International Standard if all the recordings that it makes on a tape according to 2.1 meet the mandatory requirements of this International Standard. If there is a choice, e.g. cassette size, at least one shall meet the mandatory requirements of this International Standard.

2.3 Receiving systems

A system receiving a magnetic tape cassette for interchange shall be entitled to claim conformance with this International Standard if it is able to handle any recording made on the tape according to 2.1. If there is a choice, e.g. tape thickness, at least one shall meet the mandatory requirements of this International Standard.

3 Normative References

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC 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*.

IEC 61016, *Helical-scan digital component video cassette recording system using 19 mm magnetic tape (format D-1), Section 2 — Videotape cassette*.