

ISO/IEC 1001:2012-08 (E)

Information technology - File structure and labelling of magnetic tapes for information interchange

Contents		Page
Foreword		v
1	Scope	1
2	Conformance	1
2.1	Conformance of a magnetic tape volume set	1
2.2	Conformance of an information processing system	1
3	Normative references	2
4	Terms and definitions	2
5	Notation	4
6	Arrangement of labels and files	4
6.1	Arrangement of data on a volume	4
6.2	Arrangement of label groups	4
6.2.1	Labels	4
6.2.2	Label sets	5
6.2.3	Label groups	5
6.3	Arrangement of file sections	5
6.3.1	File section	5
6.3.2	Labelled-Sequence	5
6.4	Relationship of file sections to a volume	6
6.5	Arrangement of files and file sets	6
6.5.1	Files	6
6.5.2	File sets	6
6.6	Structure of a volume set	7
7	File structure for data interchange	7
7.1	File structure for data interchange for a-characters	7
7.1.1	Blocks	7
7.1.2	Records	8
7.1.3	Files	9
7.2	File structure for data interchange for e-characters	10
7.2.1	Blocks	10
7.2.2	Records	10
7.2.3	Files	11
8	Format and contents of the labels and label sets	11
8.1	Format and contents of the labels and label sets for a-characters	11
8.1.1	Character set and coding	11
8.1.2	Justification of characters	12
8.1.3	Volume Header Label Set (VOL1 to VOL9)	12
8.1.4	Installation Volume Label Set (UVL1 to UVL9)	14
8.1.5	File Header Label Set (HDR1 to HDR9)	15
8.1.6	User File Header Label Set (UHL)	20
8.1.7	End of Volume Label Set (EOV1 to EOVS)	20
8.1.8	End of File Label Set (EOF1 to EOF9)	23
8.1.9	User File Trailer Label Set (UTL)	25
8.2	Format and contents of the labels and label sets for e-characters	26

8.2.1	Character set and coding	26
8.2.2	Justification of characters	26
8.2.3	Volume Header Label Set (VOL1)	26
8.2.4	File Header Label Set (HDR1 to HDR2)	28
8.2.5	User File Header Label Set (UHL1 to UHL8)	31
8.2.6	End of Volume Label Set (EOV1 to EOV2)	32
8.2.7	End of File Label Set (EOF1 to EOF2)	33
8.2.8	User File Trailer Label Set (UTL1 to UTL8)	35
9	Levels of interchange (only a-characters)	36
9.1	Level 1	36
9.2	Level 2	36
9.3	Level 3	36
9.4	Level 4	36
10	Requirements for the description of systems	36
11	Requirements for an originating system	37
11.1	Requirements for an originating system for a-characters	37
11.1.1	General	37
11.1.2	Files	37
11.1.3	Labels	37
11.1.4	Restrictions	39
11.2	Requirements for an originating system for e-characters	39
11.2.1	General	39
11.2.2	Files	39
11.2.3	Labels	39
12	Requirements for a receiving system	40
12.1	Requirements for a receiving system for a-characters	40
12.1.1	General	40
12.1.2	Files	41
12.1.3	Labels	41
12.1.4	Restrictions	42
12.2	Requirements for a receiving system for e-characters	42
12.2.1	General	42
12.2.2	Files	43
12.2.3	Labels	43
Annex A (informative)	Code tables for a-characters	45
A.1	a-characters	45
Annex B (normative)	Code Tables for e-characters	46
B.1	e-characters	46
Annex C (informative)	Initialized volumes	47
C.1	Purpose	47
C.2	Specification	47