

# ISO/IEC 9594-6:2020-11 (E)

## Information technology - Open systems interconnection - Part 6: The Directory: Selected attribute types

---

<b>Contents</b>		<b>Page</b>
1	Scope .....	1
2	Normative references.....	1
2.1	Identical Recommendations   International Standards .....	1
2.2	Other references .....	2
2.3	ISO/IEC Standards .....	3
3	Definitions .....	3
4	Abbreviations .....	3
5	Conventions.....	4
6	Definition of selected attribute types.....	5
6.1	System attribute types .....	5
6.2	Labelling attribute types.....	5
6.3	Geographical attribute types.....	10
6.4	Organizational attribute types .....	12
6.5	Explanatory attribute types.....	13
6.6	Postal addressing attribute types .....	15
6.7	Telecommunications addressing attribute types.....	17
6.8	Preferences attribute types .....	20
6.9	OSI application attribute types .....	21
6.10	Relational attribute types.....	22
6.11	Domain attribute types .....	23
6.12	Hierarchical attribute types .....	23
6.13	Attributes for applications using tag-based identification.....	24
6.14	Simple Authentication attributes held by object entries .....	28
6.15	Password policy attributes.....	30
6.16	Notification attributes.....	34
6.17	LDAP defined attribute types.....	39
7	String preparation .....	40
7.1	Transcode .....	40
7.2	Map .....	40
7.3	Normalize.....	40
7.4	Prohibit.....	40
7.5	Check bidi .....	41
7.6	Insignificant Character Removal.....	41
8	Definition of matching rules.....	41
8.1	String matching rules .....	41
8.2	Syntax-based matching rules.....	44
8.3	Time matching rules.....	47
8.4	First component matching rules .....	49
8.5	Word matching rules .....	49
8.6	Approximate Matching Rules .....	52
8.7	Special Matching Rules.....	52
8.8	Zonal Match .....	53
8.9	Identity matching rules.....	56
8.10	Password policy matching rules.....	57
8.11	LDAP defined matching rules.....	58
9	Definition of syntaxes.....	59

9.1	Directory syntaxes.....	59
9.2	IETF syntaxes.....	60
10	Definition of Context Types.....	66
10.1	Language Context.....	66
10.2	Temporal Context.....	66
10.3	Locale Context.....	70
10.4	LDAP Attribute Option Context.....	70
Annex A	– Selected attribute types in ASN.1.....	72
Annex B	– Attribute types for password policy in ASN.1.....	103
Annex C	– Upper bounds.....	109
Annex D	– Alphabetical index of attributes, matching rules and contexts.....	110
Annex E	– Examples for zonal match matching rules.....	113
Annex F	– Mapping Object Identifiers and Uniform Resource Names into Distinguished Names.....	116
F.1	Scope of this annex.....	116
F.2	Object identifier resolution.....	116
F.3	Uniform Resource Name (URN) resolution.....	117
Annex G	– Object identifier based Directory names.....	120
G.1	Scope of this annex.....	120
G.2	Transformation of object identifiers into Directory names.....	120
G.3	The use of object-identifier-based Directory names.....	120
Annex H	– Amendments and corrigenda.....	122