ISO/IEC 9594-9:2020-11 (E)

Information technology - Open systems interconnection - Part 9: The Directory: Replication

Contents

		Page
1	Scope	1
2	Normative references	1
	2.1 Identical Recommendations | International Standards	1
3	Definitions	1
	3.1 Basic Directory definitions	1
	3.2 Directory model definitions	2
	3.3 Abstract service definitions	2
	3.4 Distributed operation definitions	2
	3.5 Protocol definitions	2
	3.6 Replication definitions	2
4	Abbreviations	3
5	Conventions	3
6	Replication in the Directory	4
	6.1 Caching	4
	6.2 Shadowing	4
	6.3 Shadowing functional model	5
7	Shadowing in the Directory	6
	7.1 Shadowing agreement	6
	7.2 Shadowed information	7
	7.3 Shadow operations	10
	7.4 DSA Shadow Bind and DSA Shadow Unbind operation	11
8	Shadow operational binding	11
	8.1 Shadow operational binding type characteristics	11
	8.2 DSA procedures for operational binding management	12
	8.3 Operational binding	13
9	Shadowing agreement	14
	9.1 Shadowing agreement specification	14
	9.2 Unit of replication	15
	9.3 Update mode	20
10	Directory information shadow service	21
	10.1 Shadow supplier initiated service	21
	10.2 Shadow consumer initiated service	22
11	Shadow operations	22
	11.1 Coordinate Shadow Update operation	22
	11.2 Request Shadow Update operation	24
	11.3 Update Shadow operation	26
12	Shadow error	30
	12.1 Shadow error problems	30
	12.2 Last update	31
	12.3 Update window	31
	12.4 Common results	31
Annex A – Directory shadow abstract service in ASN.1		32
Annex B – Amendments and corrigenda		38