ISO/IEC 9594-9:2008-12 (E)

Information technology_- Open Systems Interconnection_- The Directory: Replication

CONTENTS

Page

1 Scope 1
2 Normative references 1
2.1 Identical Recommendations | International Standards 1
3 Definitions 2
3.1 Basic Directory definitions 2
3.2 Directory model definitions 2
3.3 Distributed operation definitions 2
3.4 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 11
7.4 DSA Shadow Bind and DSA Shadow Unbind 11
8 Shadow operational binding 12
8.1 Shadow operational binding type characteristics 12
8.2 DSA procedures for operational binding management 12
8.3 Operational Binding 14
9 Shadowing agreement 14
9.1 Shadowing agreement specification 15
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 21
11 Shadow operations 22
11.1 Coordinate Shadow Update operation 22
11.2 Request Shadow Update operation 23
11.3 Update Shadow operation 25
12 Shadow error 28
12.1 Shadow error problems 29
12.2 Last update 29
12.3 Update window 29
12.4 Common results 29
Annex A – Directory shadow abstract service in ASN.1 30
Annex B – Amendments and corrigenda 35