

ISO/IEC 9594-1:2020-11 (E)

Information technology - Open systems interconnection - Part 1: The Directory : Overview of concepts, models and services

| Contents | | Page |
|-----------------|---|-------------|
| 1 | Scope | 1 |
| 2 | Normative references..... | 1 |
| 2.1 | Identical Recommendations International Standards | 1 |
| 3 | Definitions | 2 |
| 3.1 | Communication model definitions | 2 |
| 3.2 | Directory model definitions | 2 |
| 3.3 | Distributed Operation definitions..... | 3 |
| 3.4 | Replication definitions | 3 |
| 3.5 | Basic directory definitions | 3 |
| 4 | Abbreviations | 3 |
| 5 | Conventions..... | 4 |
| 6 | Overview of the Directory | 4 |
| 7 | The Directory Information Base (DIB) | 5 |
| 8 | The Directory service | 7 |
| 8.1 | Introduction..... | 7 |
| 8.2 | Service qualification..... | 7 |
| 8.3 | Directory interrogation..... | 7 |
| 8.4 | Directory modification | 8 |
| 8.5 | Other outcomes | 8 |
| 9 | The distributed Directory | 9 |
| 9.1 | Functional model..... | 9 |
| 9.2 | Organizational model..... | 9 |
| 9.3 | Operation of the model..... | 9 |
| 10 | Access control in the Directory | 13 |
| 11 | Service administration | 14 |
| 12 | Replication in the Directory | 15 |
| 12.1 | Introduction..... | 15 |
| 12.2 | Forms of Directory replication..... | 15 |
| 12.3 | Replication and consistency of Directory information..... | 16 |
| 12.4 | Views of replication | 16 |
| 12.5 | Replication and Access Control | 17 |
| 13 | Directory protocols..... | 17 |
| Annex A | – Applying the Directory..... | 18 |
| A.1 | The Directory environment | 18 |
| A.2 | Directory service characteristics | 18 |
| A.3 | Patterns of use of the Directory | 18 |
| Annex B | – Amendments and corrigenda | 22 |