ISO/IEC 23751:2022-02 (E)

Information technology - Cloud computing and distributed platforms - Data sharing agreement (DSA) frame work

Contents

Page

Foreword ..... **v**

Introduction ..... **vi**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **1**

4 Symbols and abbreviated terms **3**

5 Overview of DSAs **3**
5.1 General 3
5.2 Data sharing scenarios 4
5.3 Role of the DSA 7
5.4 Trust as a key element in data sharing 7
5.5 Data access and processing rights 7
5.6 Data flow and DSA elements 9
5.7 Relationship between data sharing and data portability 10
5.8 Data sharing agreements (DSAs) in data lifecycles 10
5.9 Data sharing agreements (DSAs) governance 10

6 Dataset description **11**
6.1 General 11
6.2 DLOs and DQOs 11
6.2.1 Title 11
6.2.2 Domain 11
6.2.3 Data dictionary 11
6.2.4 Format 11
6.2.5 Data types 11
6.2.6 Data gathering policy 11
6.2.7 Revision history 11
6.2.8 Pre-existing transforms 11
6.2.9 Date of the dataset 11
6.2.10 Number of instances 12
6.2.11 Summary statistics 12

7 Data use obligations and controls **12**
7.1 General 12
7.2 DLOs and DQOs 13
7.2.1 Regulatory obligations and controls 13
7.2.2 Data holder obligations and controls 13
7.2.3 Allowed data uses 13
7.2.4 Disallowed data uses 14
7.2.5 Allowed uses of the data processing output 14
7.2.6 Disallowed uses of the data processing output 14
7.2.7 Data user obligations and controls 14

8 Data provenance records, quality, and integrity **14**
8.1 Data provenance records 14
8.1.1 General 14
8.1.2 DLOs and DQOs 14
8.2 Data quality 15
8.2.1 General 15

8.2.2 DLOs and DQOs 15
8.3 Integrity 16
8.3.1 General 16
8.3.2 DLOs and DQOs — Dataset integrity 16
9 Chain of custody and transfer of custody 16
9.1 Chain of custody 16
9.1.1 General 16
9.1.2 DLOs and DQOs 16
9.2 Transfer of custody 17
9.2.1 General 17
9.2.2 DLOs and DQOs 17
10 Security and privacy 17
10.1 General 17
10.2 DLOs and DQOs 18
10.2.1 Data holder security requirements 18
10.2.2 Data user security requirements 18
10.2.3 Data holder privacy requirements 18
10.2.4 Data user privacy requirements 18
11 Proof of compliance 18
11.1 General 18
11.2 DLOs and DQOs — Proof of compliance mechanisms 19
Annex A (informative) **Governance in ecosystems 20**
Annex B (informative) **Examples of alternatives to bespoke data sharing agreements (DSAs) 21**
Annex C (informative) **ISO/IEC standards for identity, privacy, chain of custody, forensics and security 22**
Bibliography 24