E DIN EN 18352:2026-09 (D/E)

Erscheinungsdatum: 2026-07-31

Qualitätsrahmen für die interne Datenverwaltung für Teilnehmer an Datenräumen; Deutsche und Englische Fassung prEN 18352:2026

Quality framework for internal data governance for participants in data spaces; German and English version prEN 18352:2026

Inhalt

Seite

European foreword ... 7

Introduction ... 8

1 Scope ... 9

2 Normative references ... 9

3 Terms and definitions ... 9
3.1 General ... 9
3.2 Roles ... 11
3.3 Data Sharing ... 11

4 Principles for data governance in the context of data space participation ... 12
4.1 Trust as a foundation ... 12
4.2 Continuity of internal data governance ... 13
4.3 Ethics in data management and use ... 13
4.4 Respect for data rights and responsibilities ... 13
4.5 Cross-border consistency ... 13
4.6 Fitness for purpose ... 13
4.7 Alignment with legal, contractual, and operational rules ... 13
4.8 Proportionality and scalability ... 13
4.9 Commitment to continuous quality improvement ... 13

5 Data space participants roles and processes ... 14
5.1 Overview of the type of roles involved in data space operations ... 14
5.2 Data space governance authority ... 14
5.3 Data provider ... 14
5.4 Data user ... 15
5.5 Data space technological provider ... 15
5.6 Data rights holder ... 15

6 Overview of the Process Reference Model ... 16

7 Data space governance processes ... 16
7.1 Establishment of the data space strategy ... 16
7.1.1 Purpose ... 16
7.1.2 Outcomes ... 17
7.1.3 Activities ... 17
7.1.4 Involved roles ... 20
7.2 Establishment of data space rulebook ... 20
7.2.1 Purpose ... 20
7.2.2 Outcomes ... 21
7.2.3 Activities ... 21
7.2.4 Involved roles ... 22
7.3 Establishment of internal organisational structures for the data space ... 23
7.3.1 Purpose ... 23
7.3.2 Outcomes ... 23
7.3.3 Activities ... 23
7.3.4 Involved roles ... 25
7.4 Data space risk optimisation ... 26
7.4.1 Purpose ... 26

7.4.2 Outcomes ... 26
7.4.3 Activities ... 26
7.4.4 Involved roles ... 28
7.5 Data space value optimisation ... 28
7.5.1 Purpose ... 28
7.5.2 Outcomes ... 28
7.5.3 Activities ... 29
7.5.4 Involved roles ... 30

8 Data space management processes ... 30
8.1 Data space management ... 30
8.1.1 Purpose ... 30
8.1.2 Outcomes ... 31
8.1.3 Activities ... 31
8.1.4 Involved Roles ... 33
8.2 Data product management ... 34
8.2.1 Purpose ... 34
8.2.2 Outcomes ... 34
8.2.3 Activities ... 34
8.2.4 Roles ... 35
8.3 Data product requirements management ... 36
8.3.1 Purpose ... 36
8.3.2 Outcomes ... 36
8.3.3 Activities ... 36
8.3.4 Roles ... 37
8.4 Management of trustworthiness requirements ... 38
8.4.1 Purpose ... 38
8.4.2 Outcomes ... 38
8.4.3 Activities ... 38
8.4.4 Roles ... 39
8.5 Management of data product metadata requirements ... 40
8.5.1 Purpose ... 40
8.5.2 Outcomes ... 40
8.5.3 Activities ... 40
8.5.4 Roles ... 42
8.6 Trusted data sharing management ... 42
8.6.1 Purpose ... 42
8.6.2 Outcomes ... 42
8.6.3 Activities ... 43
8.6.4 Roles ... 46
8.7 Data sharing contract management ... 47
8.7.1 Purpose ... 47
8.7.2 Outcomes ... 47
8.7.3 Activities ... 47
8.7.4 Roles ... 48

9 Data product quality management processes ... 49
9.1 Data product quality planning ... 49
9.1.1 Purpose ... 49
9.1.2 Outcomes ... 49
9.1.3 Activities ... 49
9.1.4 Roles ... 51
9.2 Data product quality control and monitoring ... 51
9.2.1 Purpose ... 51
9.2.2 Outcomes ... 51
9.2.3 Activities ... 52

9.2.4 Roles ... 53
9.3 Data product quality assurance ... 54
9.3.1 Purpose ... 54
9.3.2 Outcomes ... 54
9.3.3 Activities ... 54
9.3.4 Roles ... 56
9.4 Data product quality improvement ... 56
9.4.1 Purpose ... 56
9.4.2 Outcomes ... 56
9.4.3 Activities ... 57
9.4.4 Roles ... 58

10 Supporting processes ... 58
10.1 Change management ... 58
10.1.1 Purpose ... 58
10.1.2 Outcomes ... 58
10.1.3 Activities ... 59
10.1.4 Roles ... 60

11 Process Assessment Model ... 60
11.1 Overview ... 60
11.2 Process assessment according to ISO/IEC 33000 series ... 61
11.2.1 Overview of the Process Assessment Model ... 61
11.2.2 Capability Levels ... 61
11.2.3 Measurement (Scoring) of Process Attributes ... 64
11.2.4 Evidence of Process Implementation ... 66
11.3 Organisational Maturity Model ... 67
11.3.1 Set of Processes for Maturity Level 1 — Basic ... 68
11.3.2 Set of Processes for Maturity Level 2 — Managed ... 68
11.3.3 Set of Processes for Maturity Level 3 — Established ... 68
11.3.4 Set of Processes for Maturity Level 4 — Predictable ... 69
11.3.5 Set of Processes for Maturity Level 5 — Innovating ... 69

Annex A (informative) Example of application ... 70
A.1 Scope and purpose of the example ... 70
A.2 Roles and responsibilities ... 71
A.2.1 Regional Tourism Office (data space governance authority) ... 71
A.2.2 TuriTicket S.L. (Data provider) ... 71
A.2.3 PerfectHikingTrails App (Data User) ... 71
A.2.4 TechSolutions Integrator (Data space technological provider) ... 71
A.2.5 National Museums Networks (Data rights holder) ... 71
A.3 Strategic execution of processes ... 71
A.3.1 Operational Interaction Summary ... 71
A.4 Assessment of the internal quality (maturity level) of each data space participant ... 72
A.4.1 Summary of the internal quality (maturity levels) of each participant ... 72
A.4.2 Detailed Assessment of the internal quality for the Regional Tourism Office (Data space governance authority) ... 72
A.4.3 Detailed Assessment of the internal quality for TuriTicket S.L. (Data provider) ... 75
A.4.4 Detailed Assessment of the internal quality for PerfectHikingTrails App (Data User) ... 76
A.4.5 TechSolutions Integrator (Data space technological provider) ... 78
A.4.6 National Museums Networks (Data rights holder) ... 80

Annex B (informative) Processes and data space participants ... 82
B.1 Processes and data spaces participants ... 82

Bibliography ... 84

Figures

Figure 1 — Overall vision of the process reference model 16

Figure 2 — Overall vision of the process assessment model 61

Figure 3 — Maturity Model for internal governance, management, and data product quality management for Data Spaces 67

Figure A.1 — Maturity Model for internal governance, management, and data product quality management for Data Spaces 70

Tables

Table 1 — Capability levels and Process Attributes 61

Table 2 — Process attributes and capability levels 65

Table A.1 — Data space participants in the fictional example with their scope of the assessment 72

Table A.2 — Example of evidence on the degree of achievement of the process "Data product metadata requirements management" found during the inspection of the Regional Tourism Office in its role of Data space governance authority 73

Table A.3 — Results of the scoring of the processes for the organisation playing the rol of Data space governance authority. Note: Every process will have a score of {N, P, L, F} for every Process Attribute. 73

Table A.4 — Results of the scoring of the quality of the internal data governance for the organisation playing the role of Data Space Governance authority 74

Table A.5 — Results of the scoring of the processes for the organisation playing the role of Data provider. Note: Every process attribute will receive a score of {N, P, L, F} based on the strength of the captured evidence 75

Table A.6 — Results of the scoring of the quality of the internal data governance for the organisation playing the role of Data provider 76

Table A.7 — Results of the scoring of the processes for the organisation playing the role of Data consumer. Note: Every process attribute will receive a score of {N, P, L, F} based on the strength of the captured evidence 77

Table A.8 — Results of the scoring of the quality of the internal data governance for the organisation playing the role of Data User 78

Table A.9 — Results of the scoring of the processes for the organisation playing the role of Data space governance authority. Note: Every process attribute will receive a score of {N, P, L, F} based on the strength of the captured evidence. 78

Table A.10 — Results of the scoring of the quality of the internal data governance for the organisation playing the role of Data space technological provider 79

Table A.11 — Results of the scoring of the processes for the organisation playing the role of Data Rights holder. Note: Every process attribute will receive a score of {N, P, L, F} based on the strength of the captured evidence. 80

Table A.12 — Results of the scoring of the quality of the internal data governance for the organisation playing the role of Data rights holder 81