ISO/IEC 15944-8:2026-02 (E)

Information technology - Business operational view - Part 8: Identification of privacy protection requirements as external constraints on business transactions

Contents

Page

Foreword ..... **v**

Introduction ..... **vi**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **2**

4 Abbreviated terms **32**

5 Fundamental principles and assumptions governing privacy protection requirements in business transactions involving individuals (external constraints perspective) **34**

5.1 General 34

5.2 Exceptions to the application of the privacy protection principles 36

5.3 Fundamental privacy protection principles 36

5.3.1 General 36

5.3.2 Privacy protection principle 1: Preventing harm 36

5.3.3 Privacy protection principle 2: Accountability 37

5.3.4 Privacy protection principle 3: Identifying purposes 40

5.3.5 Privacy protection principle 4: Informed Consent 40

5.3.6 Privacy protection principle 5: Limiting collection 42

5.3.7 Privacy protection principle 6: Limiting use, disclosure and retention 43

5.3.8 Privacy Protection Principle 7: Accuracy 46

5.3.9 Privacy Protection Principle 8: Safeguards 46

5.3.10 Privacy Protection Principle 9: Openness 47

5.3.11 Principle Protection Principle 10: Individual Access 48

5.3.12 Privacy Protection Principle 11: Challenging compliance 50

5.4 Requirement for tagging (or labelling) data elements in support of privacy protection requirements 51

6 Collaboration space and privacy protection **52**

6.1 General 52

6.2 Basic Open-edi collaboration space: Buyer and seller 52

6.3 Collaboration space: The role of buyer (as individual), seller and regulator 54

7 Public policy requirements of jurisdictional domains **55**

7.1 General 55

7.2 Jurisdictional domains and public policy requirements 55

7.2.1 General 55

7.2.2 Privacy protection 56

7.2.3 Person and external constraints: Consumer protection 58

7.2.4 Individual accessibility 59

7.2.5 Human rights 60

7.2.6 Privacy as a right of an “individual” and not the right of an organization or public administration 60

8 Principles and rules governing the establishment, management and use of identities of an individual **61**

8.1 General 61

8.2 Rules governing the establishment of personae, identifiers and signatures of an individual 62

8.3 Rules governing the assignment of unique identifiers to an individual by Registration Authorities (RAs) 67

8.4 Rules governing individual identity, authentication, recognition, and use ... 68
8.5 Legally recognized individual identifies (LRIIs) ... 72

9 Person component — Individual sub-type ... 73
9.1 General ... 73
9.2 Role qualification of a Person as an individual ... 73
9.3 Persona and legally recognized names (LRNs) of an individual ... 74
9.4 Truncation of legally recognized names of individuals ... 75
9.5 Rules governing anonymization of individuals in a business transaction ... 75
9.6 Rules governing pseudonymization of personal information in a business transaction ... 76

10 Process component ... 77
10.1 General ... 77
10.2 Planning ... 77
10.3 Identification ... 78
10.4 Negotiation ... 78
10.5 Actualization ... 78
10.6 Post-actualization ... 78

11 Data component ... 79
11.1 General ... 79
11.2 Rules governing the role of Business Transaction Identifier (BTI) in support of privacy protection requirements ... 79
11.3 Rules governing state of change management of business transactions in support of privacy protection requirements ... 80
11.4 Rules governing records retention of personal information in a business transaction ... 80
11.5 Rules governing time/date referencing of personal information in a business transaction ... 81

12 Template for identifying privacy protection requirements on business transactions ... 82
12.1 Introduction and basic principles ... 82
12.2 Template structure and contents ... 82
12.3 Template for specifying the scope of an Open-edi scenario ... 83
12.4 Consolidated template of attributes of Open-edi scenarios, roles and information bundles ... 91

13 Conformance statement ... 94
13.1 General ... 94
13.2 Conformance to the ISO/IEC 14662 Open-edi Reference Model and the multipart ISO/IEC 15944 eBusiness standard ... 95
13.3 Conformance to ISO/IEC 15944-8 ... 95

Annex A (normative) **Consolidated controlled vocabulary definitions and associated terms, as human interface equivalents (HIEs), with cultural adaptability: English and French language equivalency in an IT standardization context ... 96**

Annex B (normative) **Consolidated set of rules in existing parts of ISO/IEC 15944 of particular relevance to privacy protection requirements as external constraints on business transactions ... 99**

Annex C (normative) **Business Transaction Model (BTM): Classes of constraints ... 111**

Annex D (normative) **Integrated set of information life cycle management (ILCM) principles in support of information law compliance ... 115**

Annex E (normative) **Key existing concepts and definitions applicable to the establishment, management, and use of identities of a single individual ... 118**

Annex F (normative) **Coded domains for specifying state change and record retention management in support of privacy protection requirements ... 120**

Annex G (informative) **Abstract of ISO/IEC 15944-8 ... 128**

Annex H (Informative) **Exclusions to the scope of ISO/IEC 15944-8 ... 129**

Annex I (Informative) **Aspects not currently addressed in this document ... 130**

Bibliography ... 132