ISO/IEC 15944-12:2025-07 (E)

Information technology - Business operational view - Part 12: Privacy protection requirements (PPR) on information life cycle management (ILCM) and EDI of personal information (PI)

Contents

Page

Foreword v

Introduction vi

1 Scope 1

2 Normative references 1

3 Terms and definitions 2

4 Abbreviated terms 29

5 Fundamental privacy protection principles 31
5.1 Overview 31
5.2 Primary sources of privacy protection principles 32
5.3 Key eleven (11) privacy protection principles 32
5.4 Link to "consumer protection" and "individual accessibility" requirements 33
5.5 Privacy protection principles in the context of ILCM requirements 34
5.6 Requirement for tagging (or labelling) sets of personal information (SPIs) in support of privacy protection requirements (PPR) 34
5.7 Requirements for making all personal information (PI) available to the buyer where the buyer is an individual 35
5.8 Rules governing ILCM aspects of personal information profiles (PIPs) 35

6 Integrated set of information life cycle management (ILCM) principles in support of information law and privacy protection requirements (PPR) 37
6.1 Primary purpose 37
6.2 Information life cycle management (ILCM) principles that support privacy protection requirements (PPR) 38
6.2.1 conformance with privacy protection requirements (PPR) and associated information law requirements 38
6.2.2 Direct relevance, informed consent and openness 39
6.2.3 Ensuring that personal information is "under the control of" the organization throughout its ILCM 40
6.2.4 Limiting use, disclosure and retention 41
6.2.5 Timely, accurate, relevant 43
6.2.6 Data integrity and quality 45
6.2.7 Safeguards for non-authorized disclosure requirements 45
6.2.8 Back-up, retention and archiving 46
6.2.9 Disposition and expungement 47
6.2.10 Organizational archiving 47
6.2.11 Historical, statistical and/or research value 47
6.3 Requirement for tagging (or labelling) data elements in support of privacy protection requirements (PPR) 48

7 Rules governing ensuring accountability for and control of personal information (PI) 49
7.1 Purpose 49
7.2 Key aspects of Open-edi requirements 49
7.3 Key aspects of "under the control of" 49
7.4 "under the control of" in support of PPR and in an ILCM context 50
7.5 Implementing "under the control of" and accountability 51

8 RulesgoverningthespecificationofILCMaspectsofpersonalinformation 56
8.1 Overview 56
8.2 Rules governing establishing ILCM responsibilities for personal information (PI) 57
8.3 Rules governing establishing specifications for retention of personal information (PI) -- applicable "SRI retention triggers" 59
8.4 Rules governing identification and specification of state changes of personal information (PI) 62
8.4.1 General requirements 62
8.4.2 Specification of state changes allowed to personal information (PI) 63

8.4.3 Specification of store change type 65
8.4.4 Rules governing specification of source of state changes 67
8.5 Rules governing disposition of personal information (PI) 68
8.6 Rules governing the establishment and maintenance of record retention and disposal schedules (RRDS) for sets of personal information (SPIs) 71

9 Data conversion, data migration and data synchronization 73
9.1 Purpose 73
9.2 Rules governing data conversion of set(s) of personal information (SPI) 73
9.3 Rules governing requirements for data synchronization of sets of personal information (SPI) 74

10 Rules governing the EDI of personal information (PI) between a primary ILCM Person and its agent, third party and/or regulator 76
10.1 General requirements 76
10.2 ILCM rules pertaining to use of an "agent" by a Person 77
10.3 ILCM rules pertaining to use of a "third party" by a Person 77
10.4 ILCM rules pertaining to the use of a "regulator" by a Person 78

11 Conformance statement 79
11.1 Overview 79
11.2 Conformance to the ISO/IEC 14662 Open-edi reference model and the ISO/ IEC 15944series 79
11.3 Conformance to ISO/IEC 15944-12 79
11.4 Conformance by agents and third parties to ISO/IEC 15944-12 80

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 81

Annex B (normative) Consolidated set of rules in the ISO/IEC 15944 series of particular relevance to privacy protection requirements (PPR) as external constraints on business transactions which apply to personal information (PI) in an ILCM requirements context .. 85

Annex C (informative) Business transaction model (BTM): Classes of constraints 101

Annex D (normative) Linking ILCM rules to process phases rules of a business transaction 104

Annex E (normative) Generic approach to ILCM decisions in a PPR context -- ILCM conformance decision tree and associated rules 106

Annex F (informative) Generic approach to identification of properties and behaviours of personal information (PI) as transitory records and their disposition/expungement 109

Annex G (informative) Notes on referential integrity and privacy protection transactional integrity (PPTI) in Open-edi among IT systems 111

Annex H (informative) Exclusions to the scope of ISO/IEC 15944-12 113

Annex I (informative) Aspects not currently addressed in this document 115

Bibliography 118