

ISO 20614:2017-11 (E)

Information and documentation - Data exchange protocol for interoperability and preservation

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Context	4
4.1	Roles played by individuals or organizations involved in transactions	4
4.2	Types of transactions	4
4.3	Exchanged objects	4
4.3.1	General	4
4.3.2	Exchanged Object packages (DataObjectPackageType)	4
4.3.3	Administrative metadata of exchanged Data Objects (AdministrativeMetadataType)	5
4.3.4	Descriptive metadata of the exchanged Data Objects (DescriptiveMetadataType) 5 5 Modelling	5
5.1	General	5
5.2	Use case diagrams	6
5.2.1	General	6
5.2.2	Transfer	6
5.2.3	Deliver	7
5.2.4	Modify	8
5.2.5	Dispose	8
5.2.6	Restitute	9
5.3	Sequence diagrams	10
5.3.1	General	10
5.3.2	Transfer	10
5.3.3	Deliver	11
5.3.4	Modify	12
5.3.5	Dispose	13
5.3.6	Restitute	13
5.3.7	Authorization requests	14
5.3.8	List of messages	16
5.4	Class diagrams	17
5.4.1	General	17
5.4.2	Organizations	17
5.4.3	Data Object packages	18
5.4.4	Specification of the version of the lists of codes used	20
5.4.5	Signature	22
5.4.6	Objects of non-specified types	22
5.4.7	Description of messages	22
6	Implementation model	29
6.1	General	29
6.2	Definition of types	29
6.3	Elements metadata	29

Annex A (informative) Information website	36
Annex B (informative) Rules for the use of code lists	37
Annex C (informative) XML schemas for DEPIP	39
Annex D (informative) Guidelines -- Use cases -- REST architecture	40
Bibliography	41