DIN EN ISO 13606-3:2019-11 (E)

Health informatics - Electronic health record communication - Part 3: Reference archetypes and term lists (ISO 13606-3:2019); English version EN ISO 13606-3:2019

Contents

Page

Foreword ..... **v**

Introduction ..... **vi**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **1**

4 Abbreviations **2**

5 Conformance **2**

6 Term lists **2**

6.1 Introduction 2

6.2 Termlist SUBJECT_CATEGORY, Class ENTRY, attribute subject_of_information_category 3

6.3 Termlist VERSION_STATUS, Class BASE_COMPONENT, attribute version_status 3

6.4 Termlist MODE, Reference Archetype Healthcare activity participation 4

6.5 Class LINK, attribute link_description 4

6.5.1 Termlist RELATED_TO, Class LINK, attribute link_description 5

6.5.2 Termlist AUTHORISED_BY, Class LINK, attribute link_description 5

6.5.3 Termlist SAME_HEALTH_ISSUE, Class LINK, attribute link_description 6

6.5.4 Termlist SAME_PLAN, Class LINK, attribute link_description 8

6.5.5 Termlist RELATED_DOCUMENTATION, Class LINK, attribute link_description 8

6.6 Termlist, Class EXTERNAL_LINK, attribute target_information_type 9

6.7 Termlist, Classes ELEMENT and DEMOGRAPHIC_ELEMENT, attribute null_flavour 10

6.8 Termlist, Class ATTACHMENT, attribute IntegrityCheckAlgorithm 10

7 Reference archetype for null_flavor **10**

7.1 Archetype name: Null_flavor 10

8 Reference archetype for the access policy COMPOSITION **11**

8.1 Archetype name: Access_policy_rule 11

9 Reference archetypes for demographic entities **12**

9.1 Archetype name: EntityIdentifier 12

9.2 Archetype name: useablePeriod 13

9.3 Archetype name: LocationAddress 13

9.4 Archetype name: TelecommunicationAddress 14

9.5 Archetype name: Address 16

9.6 Archetype name: Namepart 17

9.7 Archetype name: PersonName 18

9.8 Archetype name: Person 19

9.9 Archetype name: HealthcareOrganization 20

9.10 Archetype name: ServiceDepartment 21

9.11 Archetype name: HealthcarePersonnel 22

9.12 Archetype name: MedicalDevice 23

9.13 Archetype name: SubjectOfInformation 25

9.14 Archetype name: Contact 25

9.15 Archetype name: HealthcareActivityParticipation 26

9.16 Archetype name: HealthcareActivityFacility 26

9.17 Archetype name: HealthcareActivityFramework 27

9.18 Summary of demographic-related data types in ISO 21090 27

9.18.1 Identification and Location Datatypes 27

9.18.2 Name and Address Datatypes 29

10 Reference archetypes for medicinal product 31
10.1 Archetype name: MedicinalProduct 31
11 Reference archetypes for clinical information specifications 37
11.1 General 37
11.2 Archetype name: Health condition 38
11.3 Archetype name: Healthcare activity element 42
11.4 Archetype name: ClinicalContext 47
11.5 Archetype name: Activity management 49
11.6 Archetype name: Association 50
11.7 Archetype name: Consideration 51
11.8 Archetype name: Dosage 52
11.9 Archetype name: Method 52
12 Contsys-based clinical reference information structures as the basis for development of clinical archetypes 54
12.1 Introduction 54
12.1.1 Criteria/characteristics 56
12.1.2 Basic concepts as bases for the Contsys-based information structure 56
12.1.3 Method for development of Contsys-based clinical reference information structures 56
12.1.4 Steps in defining the information structures 57
12.2 Content of information structures 58
12.2.1 Structures for single concepts 58
12.2.2 Structures for reuse in clinical situations — Clusters complementing structures for basic clinical concepts 58
12.2.3 Structures for compound documents in an EHR 59
12.2.4 Other comments 59
12.2.5 Format 60
12.3 Specializations of types of Health condition 60
12.4 Information structures for single concepts 61
12.4.1 Health condition 61
12.5 Healthcare activity element 67
12.5.1 Performer 72
12.6 Pharmacological treatment 73
12.6.1 Pharmacological treatment 73
12.6.2 Dosage 74
12.7 Indirect healthcare activity elements 74
12.7.1 Healthcare assessment 75
12.7.2 Assessments to conclude or exclude health conditions 75
12.7.3 Healthcare needs Assessment 76
12.7.4 Clinical risk assessment 78
12.7.5 Healthcare evaluation 78
12.8 Care plan 80
12.9 Clusters complementing the information structures for single clinical concepts 83
12.9.1 Activity Management including healthcare planning 83
12.9.2 Assessment scale representation 84
12.9.3 Association 84
12.9.4 Clinical Context 85
12.9.5 Clinical process concern 87
12.9.6 Clinical risk 87
12.9.7 Consideration 88
12.9.8 Knowledge base 89
12.9.9 Method specification 90
12.9.10 Priority Level 91
12.9.11 Version information 92
12.10 Compound structures as combinations of the Contsys based clinical reference information structures for clinical content and clinical context 93
12.10.1 Personal health record overview 93
12.10.2 Professional health record overview 93
12.10.3 Knowledge based healthcare activity planning of healthcare investigations 93
12.10.4 Knowledge based healthcare activity planning of healthcare treatments 94
Bibliography 95