

DIN EN ISO 17117-1:2023-09 (E)

Health informatics - Terminological resources - Part 1: Characteristics (ISO 17117-1:2018); English version EN ISO 17117-1:2023

Contents		Page
Foreword		iv
Introduction		v
1 Scope		1
2 Normative references		2
3 Terms and definitions		2
4 Characteristics of terminological resources in the health domain		8
4.1 Basics.....		8
4.2 Pre-coordinated characteristics aiming at identification of a specific concept/term.....		9
4.2.1 Term identifier.....		9
4.2.2 Concept identifier.....		9
4.2.3 Concept orientation.....		10
4.3 Characteristics related to extensibility for concept representations.....		10
4.3.1 Characteristics to specify more detailed concepts.....		10
4.3.2 Characteristics to broaden coverage of concepts.....		11
4.4 Characteristics related to data aggregation or classification.....		12
4.4.1 General.....		12
4.4.2 Mutual exclusiveness.....		12
4.4.3 Exhaustiveness.....		12
4.5 Characteristics related to formal concept representation and semantic interoperability.....		12
4.5.1 Compositionality.....		12
4.5.2 Hierarchical relation.....		13
4.5.3 Associative relation.....		14
4.5.4 Categorial structure.....		14
4.5.5 Semantic consistency.....		14
4.6 Characteristics related to maintenance of terminological resources.....		15
4.6.1 Context-free identifiers.....		15
4.6.2 Persistence of identifiers.....		15
4.6.3 Version identifier.....		15
4.6.4 Editorial information.....		15
4.6.5 Obsolete marking.....		15
4.6.6 Responsiveness.....		16
5 Functions invoked by a certain set of characteristics		16
5.1 Basics.....		16
5.2 Data capture.....		16
5.2.1 General.....		16
5.2.2 Extensibility for concept representation.....		17
5.2.3 Providing semantically consistent formal concept representation.....		17
5.3 Display/presentation/identification.....		17
5.3.1 General.....		17
5.3.2 Accessing concepts using terminology structure.....		18
5.4 Data aggregation for statistical analysis.....		18
5.5 Reasoning.....		19
5.5.1 Reasoning of internal consistency.....		19
5.6 Maintenance-related functions.....		19
5.6.1 Concept permanence.....		19
5.6.2 Version control.....		20
Annex A (informative) Selected definitions from ISO 1087-1		21
Annex B (informative) Relations between characteristics, functions, requirements and evaluation criteria of terminological resources		28
Annex C (informative) Relations among terminological resources		29
Bibliography		30