DIN EN ISO 12381:2019-12 (E)

Health informatics - Explicit time-related expressions for healthcare-specific problems (ISO 12381:2019); English version EN ISO 12381:2019

Contents

Page

Foreword ... **iv**

Introduction ... **v**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **1**

4 Explicit semantic labelling of predicational components ... **5**
4.1 General ... 5
4.2 Labelling of temporal expressions ... 5
4.3 Labelling of basic temporal links ... 6
4.3.1 General ... 6
4.3.2 has-occurrence ... 6
4.3.3 has-rate ... 6
4.3.4 has-frequency ... 6
4.3.5 has-duration ... 7
4.4 Labelling of complex temporal links ... 7
4.5 Temporal comparators ... 7
4.5.1 General ... 7
4.5.2 Temporal comparators in combination with events ... 8
4.5.3 Temporal comparators in combination with episodes ... 9

5 Characteristics of conformance ... **14**
5.1 Provisions for conformance specification ... 14
5.2 Basic guidelines ... 14
5.3 LSS: Level of semantic specification ... 15
5.3.1 LSS(0) ... 15
5.3.2 LSS(1) ... 15
5.3.3 LSS(2) ... 15
5.3.4 LSS(3) ... 15
5.4 LRE: level of recursive embedding of time-related information ... 16
5.4.1 LRE(0) ... 16
5.4.2 LRE(1) ... 16
5.4.3 LRE(2) ... 16
5.5 LDR: level of deictic referential complexity ... 16
5.5.1 LDR(0) ... 16
5.5.2 LDR(1) ... 16
5.6 LDC: level of relative deictic referential complexity ... 16
5.6.1 LDC(0) ... 16
5.6.2 LDC(1) ... 16
5.6.3 LDC(2) ... 16
5.7 LQI: level of formal rigour of temporal expressions ... 16
5.7.1 LQI(0) ... 16
5.7.2 LQI(1) ... 16
5.7.3 LQI(2) ... 17

Annex A (informative) **BNF description of the syntax used in the standard predications of this document** ... **18**

Bibliography ... **19**