ISO 18530:2021 (E)

Health informatics — Automatic identification and data capture marking and labelling — Subject of care and individual provider identification

Contents

Foreword

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 GS1® specifications and ISO deliverables

5 Data structures and semantics

- 5.1 Application identifiers
- 5.2 Global service relation number (GSRN)
- 5.3 Service relation instance number (SRIN)

6 SoC and Individual Provider identification as a recognized priority

- 6.1 General
- 6.2 Supported processes

7 The purpose of globally unique identification

- 7.1 SoC identification and data processing
- 7.2 Implementation challenges
- 7.3 Symbol placement on identification bands
- 7.4 Individual Provider identification

Annex A (informative) Examples of use cases (UC)

- A.1 The typical hospital care process (UC 01 to 04)
- A.1.1 General
- A.1.2 Use cases
- A.1.2.1 Admission process (UC 01)
- A.1.2.2 At the care unit (UC 02)
- A.1.2.3 Surgical operation (UC 03)
- A.1.2.4 Discharge (UC 04)
- A.1.3 UC 01 to UC 04 process flow
- A.1.4 Good practice
- A.1.4.1 General
- A.1.4.2 Admission process (UC 01)
- A.1.4.3 At the care unit (UC 02)
- A.1.4.4 Handover in the preparation room (UC 03)
- A.1.4.5 Operating room (UC 03)
- A.1.4.6 Discharge (UC 04)
- A.1.4.7 Conclusions
- A.2 Specific care instances that might arise within a hospital environment (UC 05 to 11)
- A.2.1 General
- A.2.2 Use cases
- A.2.2.1 General
- A.2.2.2 Machine readable codes for care instances at the point of care (UC 05)
- A.2.2.3 Medication preparation (UC 06) and medication administration in the ward (UC 07)
- A.2.2.4 Centrally prepared individual medication (UC 08) and medication administration in the ward (UC 09)
- A.2.2.5 Bio-sample taken from SoC for analysis (UC 10)

A.2.2.6 SoC transferred from one Individual Provider to another Individual Provider (UC 11)
A.2.3 UC 05 to 11 process flow
A.2.4 Good practice
A.2.4.1 General
A.2.4.2 Medication preparation process (UC 06 and UC 08)
A.2.4.3 Medication administration in the ward (UC 07 and UC 09)
A.2.4.4 Bio-sample taken from SoC for analysis (UC 10)
A.2.4.5 SoC transferred from one Provider to another Provider (UC 11)
A.3 Machine readable coding in complex point of care environments (UC 12 to 19)
A.3.1 General
A.3.2 Use cases
A.3.2.1 General
A.3.2.2 SoC arrives at the OR reception area (UC 12)
A.3.2.3 SoC entry into the operating room (OR) (UC 13)
A.3.2.4 “Time out” period (before the patient is draped) (UC 14)
A.3.2.5 Anaesthesia is administered before SoC is draped (UC 15)
A.3.2.6 Searching labile product during operation (UC 16 and UC 16a)
A.3.2.7 SoC is draped and surgery is performed (UC 17 and UC 17a)
A.3.2.8 The SoC identification is rechecked before leaving the OR (UC 18)
A.3.3 UC 12 to 18 process flow
A.3.4 Good practice
A.3.4.1 General
A.3.4.2 SoC arrives at the OR reception area (UC 12)
A.3.4.3 SoC entry into the OR (UC 13)
A.3.4.4 Anaesthesia is administered before SoC is draped (UC 14)
A.3.4.5 “Time out” period (before the patient is draped) (UC 15)
A.3.4.6 Searching labile product during operation (UC 16 and UC 16a)
A.3.4.7 SoC is draped and surgery is performed (UC 17 and UC 17a)
A.3.4.8 The SoC identification is rechecked before leaving the OR (UC 18)
A.4 Machine readable coding to avoid workarounds
A.4.1 General
A.4.2 Use cases
A.4.2.1 Sample taking process (UC 19)
A.4.2.2 Radiology process (UC 20)
A.4.3 UC 19 and UC 20 Process flow
A.4.4 Good practice
A.4.4.1 Sample taking process (UC 19)
A.4.4.2 Radiology process (UC 20)
A.5 Machine readable coding in the blood transfusion processes (UC 21 to 24)
A.5.1 General
A.5.2 Use cases
A.5.2.1 General
A.5.2.2 Pre-transfusion sample collection (UC 22)
A.5.2.3 Pre-transfusion testing and product selection (UC 23)
A.5.2.4 Transfusion (UC 24)
A.5.3 UC 21 to 24 process flow
A.5.4 Good practice
A.6 Machine readable coding for chronic outpatient (UC 25 to 27)
A.6.1 General
A.6.2 Use cases
A.6.2.1 General
A.6.2.2 Home delivery (UC 25)
A.6.2.3 Selecting medicinal product (UC 26)
A.6.2.4 Self-medicating and documenting (UC 27)
A.6.3 UC 25 to 27 process flow
A.6.4 Good practice
A.6.4.1 Home delivery (UC 25)
A.6.4.2 Selecting medicinal product (UC 26)
A.6.4.3 Self-medication and documenting (UC 27)
A.7 Machine readable coding by integrating nationwide SoC identification (UC 28 to 30)
A.7.1 General
A.7.2 Use cases
A.7.2.1 SoC admission (UC 28)
A.7.2.2 SoC identification band and data carried in GS1® DataMatrix (UC 29)

A.7.2.3 SoC NHS number and PAS number (UC 30)
A.7.3 UC 28 to 30 process flow
A.7.4 Good practice

Page count: 51