

E DIN EN ISO 11073-20701:2019-12 (E)

Erscheinungsdatum: 2019-10-25

Health informatics - Device interoperability - Part 20701: Point-of-care medical device communication - Service-oriented medical device exchange architecture and protocol binding (ISO/IEEE/FDIS 11073-20701:2019); English version prEN ISO 11073-20701:2019

Contents

1. Overview	10
1.1 Scope	10
1.2 Purpose	10
2. Normative references.....	10
3. Definitions	11
4. Notational conventions.....	15
4.1 XML schema namespaces	15
5. Introduction	16
6. Service-oriented medical device exchange architecture	17
7. Service-oriented device connectivity (SDC) participant model binding	18
7.1 Coded values	18
7.2 Remote-control capabilities	18
7.3 Retrievability of containment tree entries.....	20
7.4 Dynamic containment tree changes	21
7.5 MDIB versioning.....	22
7.6 Types	22
8. Communication model binding	23
8.1 Service	23
8.2 Message	25
9. Discovery binding	27
9.1 Discovery mechanism.....	27
9.2 Complex device component based discovery	27
9.3 SDC PARTICIPANT KEY PURPOSE based discovery	28
9.4 Context-based discovery.....	29
9.5 Announcing absence	31
10. Non-functional quality attributes.....	31
10.1 Cybersecurity.....	31
10.2 Patient safety.....	33
10.3 Clinical effectiveness.....	34
11. Conformance	36
11.1 General format.....	36
11.2 ICS tables.....	37
Annex A (normative) Constants	39

Annex B (normative) SDC service provider WSDL service descriptions.....	40
B.1 Get Service.....	40
B.2 Set Service	40
B.3 Description Event Service.....	40
B.4 State Event Service	41
B.5 Context Service.....	41
B.6 Waveform Service	41
B.7 Containment Tree Service.....	42
B.8 Archive Service.....	42
B.9 Localization Service.....	42
Annex C (informative) Bibliography.....	43