

ISO/IEEE 11073-10700:2024-09 (E)

Health informatics - Device interoperability - Part 10700: Point-of-care medical device communication - Standard for base requirements for participants in a Service-oriented Device Connectivity (SDC) system

Contents

| | |
|---|----|
| 1. Overview | 1 |
| 1.1 Scope | 1 |
| 1.2 Word usage | 1 |
| 1.3 Service-oriented Device Connectivity standards | 1 |
| 1.4 Participant key purposes | 1 |
| 2. Normative references | 2 |
| 3. Definitions, acronyms, and abbreviations | 3 |
| 3.1 Definitions | 3 |
| 3.2 Acronyms and abbreviations | 8 |
| 4. Notational conventions | 9 |
| 4.1 Requirement categories and numbering | 9 |
| 4.2 References to IEEE 11073-10207 model elements | 10 |
| 4.3 XML Schema namespaces | 10 |
| 4.4 Notation of IEEE 11073 Nomenclature codes | 10 |
| 5. Responsibilities | 11 |
| 5.1 General responsibilities | 11 |
| 5.2 Intended interoperability | 13 |
| 5.3 System integration | 16 |
| 5.4 System use | 23 |
| 6. Technical design | 24 |
| 6.1 SDC PARTICIPANT KEY PURPOSE conformity assurance | 24 |
| 6.2 Standards conformity indication in the CONTAINMENT TREE | 25 |
| 6.3 Cybersecurity | 25 |
| 6.4 Logging | 26 |
| 6.5 Maximum load conditions | 27 |
| 6.6 Participant model | 27 |
| 6.7 Extension model | 34 |
| 6.8 Localization | 34 |
| 6.9 Calibration | 35 |
| 7. Conformity | 35 |
| 7.1 Implementation conformity statements | 36 |
| Annex A (normative) Object identifiers | 40 |
| A.1 OID assignments | 40 |
| A.2 Participant Key Purpose concept definitions | 40 |
| Annex B (informative) Utilized IEEE 11073 Nomenclature | 41 |
| Annex C (informative) SDC PARTICIPANT ENSEMBLE inference | 42 |
| Annex D (informative) Bibliography | 45 |