

ISO/IEEE 11073-10472:2024-09 (E)

Health informatics - Device interoperability - Part 10472: Personal health device communication - Device specialization - Medication monitor

Contents	Page
1. Overview	1
1.1 Scope	1
1.2 Purpose	1
1.3 Word usage.....	1
1.4 Context	2
2. Normative references	2
3. Definitions, acronyms, and abbreviations	2
3.1 Definitions	2
3.2 Acronyms and abbreviations	3
4. Introduction to ISO/IEEE 11073 personal health devices	3
4.1 General	3
4.2 Introduction to IEEE 11073-20601 modeling constructs	4
4.3 Compliance with other standards	4
5. Medication monitor device concepts and modalities.....	5
5.1 General	5
5.2 Model usage examples	6
5.3 Medication dispensed	7
5.4 Status reporter.....	7
5.5 User feedback	8
5.6 Usage patterns	8
6. Medication monitor domain information model	9
6.1 Overview	9
6.2 Class extensions	9
6.3 Object instance diagram	9
6.4 Types of configuration	10
6.5 Medical device system object.....	11
6.6 Numeric objects.....	15
6.7 Real-time sample array objects.....	25
6.8 Enumeration objects	25
6.9 PM-store objects.....	29
6.10 Scanner objects.....	32
6.11 Class extension objects.....	32
6.12 Medication monitor information model extensibility rules	32
7. Medication monitor service model.....	33
7.1 General	33
7.2 Object access services	33
7.3 Object access event report services	34
8. Medication monitor communication model	35
8.1 Overview	35
8.2 Communications characteristics	35
8.3 Association procedure	35
8.4 Configuring procedure.....	37
8.5 Operating procedure	44
8.6 Time synchronization	45

9. Test associations.....	45
9.1 Behavior with standard configuration	45
9.2 Behavior with extended configurations	45
10. Conformance	45
10.1 Applicability	45
10.2 Conformance specification	46
10.3 Levels of conformance	46
10.4 Implementation conformance statements (ICSs)	46
Annex A (informative) Bibliography	52
Annex B (normative) Any additional ASN.1 definitions	53
Annex C (normative) Allocation of identifiers.....	54
Annex D (informative) Message sequence examples.....	55
Annex E (informative) Protocol data unit examples	57
E.1 General.....	57
E.2 Association information exchange	57
E.3 Configuration information exchange	60
E.4 GET MDS attributes service	62
E.5 Data reporting	63
E.6 Disassociation	64
Annex F (informative) Revision history.....	65