

ISO/IEEE 11073-10425:2016-06 (E)

Health informatics - Personal health device communication - Part 10425: Device specialization - Continuous glucose monitor (CGM)

Contents	Page
1. Overview	1
1.1 Scope	1
1.2 Purpose	1
1.3 Context	2
2. Normative references.....	2
3. Definitions, acronyms, and abbreviations	2
3.1 Definitions	2
3.1 Acronyms and abbreviations	3
4. Introduction to IEEE 11073™ personal health devices.....	4
4.1 General	4
4.2 Introduction to IEEE 11073-20601 modeling constructs.....	4
4.3 Compliance with other standards.....	5
5. Glucose monitoring concepts and modalities	5
5.1 General	5
5.2 Device types	7
5.3 CGM Agent to manager communication.....	7
5.4 Collected data	8
5.5 Stored data	10
6. Continuous glucose monitor domain information model	10
6.1 Overview	10
6.2 Class extensions.....	10
6.3 Object instance diagram	10
6.4 Types of configuration.....	11
6.5 Profiles.....	12
6.6 Medical device system object.....	12
6.7 Numeric objects.....	16
6.8 Real-time sample array objects.....	25
6.9 Enumeration objects	25
6.10 PM-store objects	29
6.11 Scanner objects.....	33
6.12 Class extension objects.....	33
6.13 CGM information model extensibility rules	33
7. Continuous glucose monitor service model.....	34
7.1 General	34
7.2 Object access services.....	34
7.3 Object access event report services	35
8. Continuous glucose monitor communication model	36
8.1 Overview	36
8.2 Communication characteristics.....	36
8.3 Association procedure	37
8.4 Configuring procedure.....	38
8.5 Operating procedure	40
8.6 Time synchronization	40

9. Test associations	40
9.1 Behavior with standard configuration.....	41
9.2 Behavior with extended configurations	41
10. Conformance	41
10.1 Applicability	41
10.2 Conformance specification	41
10.3 Levels of conformance	42
10.4 Implementation conformance statements	42
Annex A (informative) Bibliography	47
Annex B (normative) Any additional ASN.1 definitions	48
Annex C (normative) Allocation of identifiers.....	50
Annex D (informative) Message sequence examples.....	54
Annex E (informative) Protocol data unit examples	56