ISO 22077-2:2023-08 (E)

Health informatics - Medical waveform format - Part 2: Electrocardiography

Contents

Page

Foreword ... **iv**

Introduction ... **v**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms, definitions and abbreviated terms ... **1**
3.1 Terms and definitions ... 1
3.2 Abbreviated terms ... 2

4 Encoding format ... **2**
4.1 Primary description ... 2
4.1.1 General ... 2
4.1.2 Sampling attributes ... 2
4.1.3 Frame attributes ... 3
4.1.4 Waveform ... 4
4.1.5 Channel ... 6
4.2 Data alignment ... 7
4.3 Abstract waveform ... 7
4.4 Lead calculation ... 7
4.5 Filter information ... 8
4.5.1 Description of filter-processed data ... 8
4.5.2 Description of filter use information ... 9

5 Measurement information ... **9**
5.1 General ... 9
5.2 Measurement time (classification point) ... 9
5.3 Measurement value ... 10
5.4 Measurement information classification ... 10
5.4.1 Observation event ... 10
5.4.2 Waveform ancillary information ... 10
5.4.3 Recording/display condition ... 10
5.5 Power supply frequency ... 11
5.6 Electrode condition ... 11
5.7 Calibration waveform ... 11
5.8 Artefact contamination ... 11
5.9 Automatic interpretation code, etc. ... 11
5.9.1 MFER interpretation code and heart beat code encoding rules ... 12

Annex A (informative) **MFER Conformance statement** ... **13**

Annex B (informative) **Waveform alignment** ... **14**

Annex C (informative) **Encoding of waveform recognition point and measurement values** ... **23**

Annex D (informative) **Reference table of coding scheme** ... **30**

Bibliography ... **34**