ISO/TS 22077-2:2015-08 (E)

Health informatics - Medical waveform format - Part 2: Electrocardiography

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Symbols and abbreviated terms 2

5 Encoding format 2
5.1 Primary description 2
5.1.1 Sampling attributes 3
5.1.2 Frame attributes 3
5.1.3 Waveform 4
5.1.4 Channel 6
5.2 Data alignment 7
5.3 Abstract waveform 7
5.4 Lead calculation 8
5.5 Filter information 9
5.5.1 Description of filter-processed data 9
5.5.2 Description of filter use information 9
5.6 Unique identifier 9

6 Measurement information 10
6.1 Measurement date/time 10
6.2 Measurement time (classification point) 10
6.3 Measurement value 11
6.4 Measurement information classification 11
6.4.1 Observation event 11
6.4.2 Waveform ancillary information 11
6.4.3 Recording/display condition 11
6.5 Power supply frequency 12
6.6 Electrode condition 12
6.7 Calibration waveform 12
6.8 Artefact contamination 12
6.9 Automatic interpretation code, etc 13
6.9.1 MFER interpretation code and heart beat code encoding rules 13
6.10 Patient information 14
6.10.1 Patient name 14
6.10.2 Patient ID 14
6.10.3 Age and date of birth 14
6.10.4 Gender 14
6.11 Comment 15

Annex A (informative) MFER Conformance statement 16

Annex B (informative) Waveform alignment 17

Annex C (informative) Encoding of waveform recognition point and measurement values 26

Annex D (informative) Reference table of coding scheme 33

Annex E (informative)WaveformverificationrulebetweenECGprovideranduser 37

Bibliography 38