# ISO 22077-1:2022-01 (E)

## Health informatics - Medical waveform format - Part 1: Encoding rules

## Contents

Page


Foreword ..... iv

Introduction ..... v

1 Scope ..... 1

2 Normative references ..... 1

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

4 Basicspecifications ..... 2
4.1 Basic attributes ..... 2
4.1.1 General ..... 2
4.1.2 Sampling attributes ..... 3
4.1.3 Frame attributes ..... 3
4.2 Encoding rule ..... 4
4.2.1 General ..... 4
4.2.2 Tag (T) ..... 4
4.2.3 Data length (L) ..... 5
4.2.4 Value (V) ..... 6
4.3 Encoding principle ..... 6
4.3.1 General ..... 6
4.3.2 Definition levels ..... 6
4.3.3 General principles in interpretation, scope and priority of definitions ..... 6

5 Basic rules (Level 1) ..... 8
5.1 Primary description ..... 8
5.1.1 Sampling attributes ..... 8
5.1.2 Frame attributes ..... 9
5.1.3 Waveform ..... 10
5.1.4 Channel ..... 13
5.2 Auxiliary rule ..... 14
5.2.1 Data description ..... 14
5.2.2 Other definition ..... 16
5.2.3 Information description ..... 17

6 Supplemental description (Level 2) ..... 21

7 Extended description (Level 3) ..... 24

Annex A (informative) MFER conformance statement ..... 27

Annex B (informative) Description example ..... 28

Annex C (informative) Event information description ..... 35

Annex D (informative) Example of standard encoding ..... 36

Bibliography ..... 41