

DIN EN 1064:2020-10 (E)

Health informatics - Standard communication protocol - Computer-assisted electrocardiography; English version EN 1064:2020

Contents

Page

European foreword.....	3
Introduction	4
1 Scope	9
2 Normative references.....	9
3 Terms and definitions	9
4 Symbols and abbreviated terms	11
5 Definition of the data contents and format.....	12
5.1 General considerations.....	12
5.2 Specifications for the data structure.....	13
5.3 Pointer section – Section 0.....	18
5.4 Header information - Patient data / ECG metadata – Section 1.....	20
5.5 Huffman tables – Section 2.....	36
5.6 ECG leads definition – Section 3.....	38
5.7 Reserved for legacy SCP-ECG versions – Section 4.....	47
5.8 Encoded type 0 reference beat data – Section 5.....	49
5.9 Short-term ECG Rhythm data – Section 6.....	52
5.10 Global ECG measurements – Section 7.....	54
5.11 Storage of full text interpretive statements – Section 8.....	68
5.12 Storage of manufacturer specific interpretive statements and data related to the overreading trail – Section 9.....	69
5.13 Per-lead ECG measurements – Section 10.....	69
5.14 Storage of the universal ECG interpretive statement codes – Section 11.....	78
5.15 Long-term ECG rhythm data – Section 12.....	82
5.16 Stress tests, Drug trials and Protocol based ECG recordings Metadata – Section 13.....	87
5.17 Selected ECG Sequences Repository – Section 14.....	98
5.18 Beat-by-Beat ECG measurements and annotations – Section 15.....	102
5.19 Selected ECG beats measurements and annotations – Section 16.....	117
5.20 Pacemaker Spikes measurements and annotations – Section 17.....	126
5.21 Additional ECG annotations – Section 18.....	140
Annex A (normative) Supplementary information and additional encoding specifications.....	147
Annex B (informative) Universal ECG interpretation statements codes.....	155
Annex C (informative) Definition of compliance with the SCP ECG standard.....	181
Annex D (Informative) Methodology of the recommended ECG signal compression technique..	190
Annex E (informative) Cross-references to other ECG standards.....	226
Annex F (informative) Implementation Recommendations.....	229
Annex G (informative) Glossary	231
Annex H (informative) Revision History.....	233
Bibliography.....	236