

**BUREAU OF INDIAN STANDARDS**

**DRAFT FOR COMMENTS ONLY**

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भारतीय मानक मसौदा  
स्वास्थ्य सूचना विज्ञान — चिकित्सा तरंग प्रारूप  
भाग 1 एन्कोडिंग नियम

*Draft Indian Standard*  
**Health Informatics — Medical Waveform Format**  
**Part 1 Encoding Rules**

[ICS 35.240.80]

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Health Informatics Sectional Committee, MHD 17

Last date for comments:

**18 July 2024**

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NATIONAL FOREWORD

*(Adoption clause will be added later)*

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are however not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'
- Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

## Scope

This document specifies how medical waveforms, such as electrocardiogram, electroencephalogram, spirometry waveform, etc., are described for interoperability among healthcare information systems.

This document can be used with other relevant protocols, such as HL7, DICOM®, the ISO/IEEE 11073 series, and database management systems for each purpose.

This is a general specification, so specifications for particular waveform types and for harmonization with DICOM®, SCP-ECG, X73, etc. are not given.

This document does not include lower layer protocols for message exchange. For example, a critical real-time application such as a patient monitoring system is out of scope and this is an implementation issue.

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The technical content of the document has not been enclosed as it is identical with the corresponding ISO standard. For details, please refer to ISO 22077-1:2022 or kindly contact:

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