

Health informatics - Point-of-care medical device
communication - Part 10102: Nomenclature - Annotated ECG
(ISO/IEEE 11073-10102:2014)

EVS

EESTI STANDARDI EESSÕNA

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EUROPEAN STANDARD

EN ISO 11073-10102

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

**Health informatics - Point-of-care medical device communication
- Part 10102: Nomenclature - Annotated ECG (ISO/IEEE 11073-
10102:2014)**

Informatique de santé - Communication entre dispositifs
médicaux sur le site des soins - Partie 10102:
Nomenclature - ECG annoté (ISO/IEEE 11073-10102:2014)

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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

This document (EN ISO 11073-10102:2014) has been prepared by Technical Committee ISO/TC 215 “Health informatics” in collaboration with Technical Committee CEN/TC 251 “Health informatics” the secretariat of which is held by NEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2014, and conflicting national standards shall be withdrawn at the latest by September 2014.

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Endorsement notice

The text of ISO/IEEE 11073-10102:2014 has been approved by CEN as EN ISO 11073-10102:2014 without any modification.

EVS

Introduction

This introduction is not part of IEEE Std 11073-10102-2012, Health informatics—Point-of-care medical device communication—Nomenclature—Annotated ECG.

This standard extends the base ISO/IEEE 11073-10101:2004^a nomenclature to provide support for electrocardiogram (ECG) annotation terminology. The major subject areas addressed by the nomenclature include ECG beat annotations, wave component annotations, rhythm annotations, and noise annotations. It also defines additional “global” and “per-lead” numeric observation identifiers, ECG lead systems, and additional ECG lead identifiers. The nomenclature extensions may be used in conjunction with other IEEE 11073 standard components (e.g., ISO/IEEE 11073-10201:2004 [B19]^b) or independently with other standards.

^a Information on references can be found in Clause 2.

^b The numbers in brackets correspond to those in the bibliography in Annex E.

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Health informatics—Point-of-care medical device communication

Part 10102: Nomenclature—Annotated ECG

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1. Overview

1.1 Scope

This standard extends the base ISO/IEEE 11073-10101:2004¹ to provide support for ECG annotation terminology. Major subject areas addressed by the nomenclature include ECG beat annotations, wave component annotations, rhythm annotations, and noise annotations. It also defines additional “global” and “per-lead” numeric observation identifiers, ECG lead systems, and additional ECG lead identifiers. The nomenclature extensions may be used in conjunction with other IEEE 11073 standard components (e.g., ISO/IEEE 11073-10201:2004 [B19]²) or independently with other standards.

1.2 Purpose

This standard provides a unified and comprehensive terminology for ECG annotation semantics, making it suitable for medical device data exchange that requires inclusion of ECG annotations. This standard consolidates numerous other standard and nonstandard terminologies that are in current use, resulting in the harmonization of how ECG annotation information is identified, enabling interoperability, and providing information exchange at the application level.

¹ Information on references can be found in Clause 2.

² The numbers in brackets correspond to those of the bibliography in Annex E.