ELEKTRILISED MEDITSIINISEADMED. OSA 2-47: ERINÕUDED AMBULATOORSETE ELEKTROKARDIOGRAAFIASÜSTEEMIDE ESMASELE OHUTUSELE JA OLULISTELE TOIMIMISNÄITAJATELE

Medical electrical equipment - Part 2-47: Particular requirements for the basic safety and essential performance of ambulatory electrocardiographic systems



EESTI STANDARDI EESSÕNA

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See Eesti standard EVS-EN 60601-2-47:2015 sisaldab Euroopa standardi EN 60601-2-47:2015 ingliskeelset teksti.	This Estonian standard EVS-EN 60601-2-47:2015 consists of the English text of the European standard EN 60601-2-47:2015.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

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Supersedes EN 60601-2-47:2001

English Version

Medical electrical equipment - Part 2-47: Particular requirements for the basic safety and essential performance of ambulatory electrocardiographic systems

(IEC 60601-2-47:2012)

Appareils électromédicaux - Partie 2-47: Exigences particulières pour la sécurité de base et les performances essentielles des systèmes d'électrocardiographie ambulatoires
(IEC 60601-2-47:2012)

Medizinische elektrische Geräte - Teil 2-47: Besondere Festlegungen für die Sicherheit einschließlich der wesentlichen Leistungsmerkmale von ambulanten elektrokardiographischen Systemen (IEC 60601-2-47:2012)

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European Committee for Electrotechnical Standardization Comité Européen de Normalisation Electrotechnique Europäisches Komitee für Elektrotechnische Normung

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

Foreword

The text of document 62D/963/FDIS, future edition 2 of IEC 60601-2-47, prepared by SC 62D "Electromedical equipment", of IEC/TC 62 "Electrical equipment in medical practice" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60601-2-47:2015.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with (dow) 2018-04-14 the document have to be withdrawn

This document supersedes EN 60601-2-47:2001.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For the relationship with EU Directive 93/42/EEC, see informative Annex ZZ, which is an integral part of this document.

Endorsement notice

The text of the International Standard IEC 60601-2-47:2012 was approved by CENELEC as a European Standard without any modification.

6 12

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60601-2-25 NOTE Harmonized as EN 60601-2-25.

IEC 60601-2-27 NOTE Harmonized as EN 60601-2-27.

Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Annex ZA of EN 60601-1:2006 applies, except as follows:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	EN/HD	<u>Year</u>
In Annex ZA of EN	60601-	1:2006 replace IEC 60601-1-2 by:		
IEC 60601-1-2 (mod)	2007	Medical electrical equipment -	EN 60601-1-2	2007
IEC 60601-1-2 (mod)	-	Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral standard: Electromagnetic compatibility - Requirements and tests	+ corrigendum Mar.	2007

Annex ZZ

(informative)

Coverage of Essential Requirements of EU Directives

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and within its scope the Standard covers all relevant essential requirements given in Annex I of EU Directive 93/42/EEC of 14 June 1993 concerning medical devices.

Compliance with this standard provides one means of conformity with the specified essential requirements of the Directive concerned.

TO BOOK TO BOO WARNING: Other requirements and other EU Directives can be applied to the products falling within the scope of this standard.

CONTENTS

FOREW	ORD	4
INTROD	UCTION	6
201.1	Scope, object and related standards	7
201.2	Normative references	9
201.3	Terms and definitions	9
201.4	General requirements	11
201.5	General requirements for testing of ME EQUIPMENT	12
201.6	Classification of ME EQUIPMENT and ME SYSTEMS	12
201.7	ME EQUIPMENT identification, marking and documents	12
201.8	Protection against electrical HAZARDS from ME EQUIPMENT	13
201.9	Protection against MECHANICAL HAZARDS of ME EQUIPMENT and ME SYSTEMS	14
201.10	Protection against unwanted and excessive radiation HAZARDS	14
201.11	Protection against excessive temperatures and other HAZARDS	14
201.12	Accuracy of controls and instruments and protection against hazardous outputs	14
201.13	HAZARDOUS SITUATIONS and fault conditions	38
201.14	PROGRAMMABLE ELECTRICAL MEDICAL SYSTEMS (PEMS)	38
201.15	Construction of ME EQUIPMENT	
201.16	ME SYSTEMS	39
201.17	Electromagnetic compatibility of ME EQUIPMENT and ME SYSTEMS	39
202	Electromagnetic compatibility – Requirements and tests	40
Annexes		42
Annex A	A (informative) Particular guidance and rationale	43
Bibliogra	phy	64
Index of	defined terms used in this particular standard	65
Figure 20	01.101 – General test circuit for 201.12.4.4	29
Figure 20	01.102 – Test signal for input dynamic range test according to 201.12.4.4.101	30
Figure 20	01.103 – Test circuit for common mode rejection according to 201.12.4.4.103	33
	01.104 – Test circuit for pacemaker pulse tolerance according to .4.109	37
	02.101 – Test set-up for conductive emission test according to 202.6.1.1.2 and emission and radiated immunity test according to 202.6.1.1.2 and 202.6.2.3.2	41
	1.101 – Distributed additional ESSENTIAL PERFORMANCE requirements	
	1.102 – LEAD WIRE colour codes	
	1.103 – Requirements for all arrhythmia algorithms	
	1.104 – Requirements for algorithms with optional capabilities	
	1.105 – Beat label classifications	
	1.106 – Example of noise floor calculation results	
	1.107 – Example of HRV test results	
	1.108 – Run sensitivity summary matrix	
Table 20	1.109 – Run positive predictivity summary matrix	26

ble AA.2 – Example of a line-format, beat-by-beat performance report	44
	48
ble AA.3 – Condensed beat-by-beat summary matrix containing 11 elements	49
ble AA.4 – Summary table (matrix format) of beat-by-beat comparison	49
ble AA.5 – Example of a line-format SHUTDOWN report	50
ble AA.6 – Example of a line-format report	51
ble AA.7 – Example of VF performance report	51
ble AA.8 – Example of false VF performance report	51
ble AA.9 – Example of a line-format couplet and run performance report	52
ble AA.10 – Example of device measurements of synthetic test patterns	53
ble AA.11 – Example of predicted ideal values for synthetic test patterns	54
ble AA.12 – Example of choice of test patterns	54
ble AA.13 – Example of RMS interval differences	57
ble AA.14 – Example of summary of frequency components	58
IDE AA. 14 – Example of summary of frequency components	

INTRODUCTION

This particular standard concerns the basic safety and essential performance of AMBULATORY ELECTROCARDIOGRAPHIC SYSTEMS. It amends and supplements IEC 60601-1 (third edition 2005). Medical electrical equipment — Part 1: General requirements for basic safety and essential performance, hereinafter referred to as the general standard. The requirements of this particular standard take priority over those of the general standard.

A "General guidance and rationale" for the requirements of this particular standard is included in Annex AA.

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, not form p It is considered that a knowledge of the reasons for these requirements will not only facilitate the proper application of the standard but will, in due course, expedite any revision necessitated by changes in clinical practice or as a result of developments in technology. However, this annex does not form part of the requirements of this standard.

MEDICAL ELECTRICAL EQUIPMENT -

Part 2-47: Particular requirements for the basic safety and essential performance of ambulatory electrocardiographic systems

201.1 Scope, object and related standards

Clause 1 of the general standard applies, except as follows:

201.1.1 Scope

Replacement:

This International Standard applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of AMBULATORY ELECTROCARDIOGRAPHIC SYSTEMS, hereafter referred to as ME SYSTEMS

If a clause or subclause is specifically intended to be applicable to ME EQUIPMENT only, or to ME SYSTEMS only, the title and content of that clause or subclause will say so. If that is not the case, the clause or subclause applies both to ME EQUIPMENT and to ME SYSTEMS, as relevant.

HAZARDS inherent in the intended physiological function of ME EQUIPMENT or ME SYSTEMS within the scope of this standard are not covered by specific requirements in this standard except in 7.2.13 and 8.4.1 of the general standard.

NOTE See also 4.2 of the general standard.

Within the scope of this standard are systems of the following types:

- a) systems that provide continuous recording and continuous analysis of the ECG allowing full re-analysis giving essentially similar results. The systems may first record and store the ECG and analyse it later on a separate unit, or record and analyse the ECG simultaneously. The type of storage media used is irrelevant with regard to this standard;
- b) systems that provide continuous analysis and only partial or limited recording not allowing a full re-analysis of the ECG.

The safety aspects of this standard apply to all types of systems falling in one of the above-mentioned categories.

If the AMBULATORY ELECTROCARDIOGRAPHIC SYSTEM offers automatic ECG analysis, minimal performance requirements for measurement and analysis functions apply. MEDICAL ELECTRICAL EQUIPMENT covered by IEC 60601-2-25 and IEC 60601-2-27 are excluded from the scope of this standard.

This standard does not apply to systems that do not continuously record and analyse the ECG (for example, 'intermittent event recorders').

201.1.2 Object

Replacement:

The general standard is IEC 60601-1:2005, Medical electrical equipment – Part 1: General requirements for basic safety and essential performance.