

SLOVENSKI STANDARD SIST EN 60601-2-40:1998

01-september-1998

Medicinska električna oprema - 2-40. del: Posebne varnostne zahteve za elektromiografe in opremo za izzvane odzive (IEC 60601-2-40:1998)

Medical electrical equipment - Part 2-40: Particular requirements for the safety of electromyographs and evoked response equipment (IEC 60601-2-40:1998)

Medizinische elektrische Geräte - Teil 2-40: Besondere Festlegungen für die Sicherheit von Elektromyographen und Geräten für evozierte Potentiale (IEC 60601-2-40:1998)

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Appareils électromédicaux - Partie 2-40: Règles particulières de sécurité pour les électromyographes et les appareils à potentiel évoqué (CEI 60601-2-40:1998)

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Ta slovenski standard je istoveten z: EN 60601-2-40-1998

ICS:

11.040.50 Radiografska oprema Radiographic equipment

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<u>SIST EN 60601-2-40:1998</u> https://standards.iteh.ai/catalog/standards/sist/e527fa55-9a77-4a25-97c8-55c301b86eac/sist-en-60601-2-40-1998

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN 60601-2-40

April 1998

ICS 11.040.50

Medical electrical equipment, electromyographs, evoked response equipment, safety requirements, protection against Descriptors: electric shock, protection against mechanical hazard, radiation protection, fire protection, environmental conditions

English version

Medical electrical equipment Part 2-40: Particular requirements for the safety of electromyographs and evoked response equipment (IEC 60601-2-40:1998)

Appareils électromédicaux Partie 2-40: Règles particulières de sécurité pour les électromyographes et les appareils à potentiel évoqué DARD und Geräten für evozierte Potentiale (CEI 60601-2-40:1998)

Medizinische elektrische Geräte Teil 2-40: Besondere Festlegungen für die Sicherheit von Elektromvographen (standards.iteh.ai) (JEC 60601-2-40:1998)

SIST EN 60601-2-40:1998 https://standards.iteh.ai/catalog/standards/sist/e527fa55-9a77-4a25-97c8-55c301b86eac/sist-en-60601-2-40-1998

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

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CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

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Foreword

The text of document 62D/255/FDIS, future edition 1 of IEC 60601-2-40, prepared by SC 62D, Electromedical equipment, of IEC TC 62, Electrical equipment in medical practice, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60601-2-40 on 1998-04-01.

The following dates were fixed:

 latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement

(dop) 1999-01-01

 latest date by which the national standards conflicting with the EN have to be withdrawn

(dow) 2001-01-01

Annexes designated "normative" are part of the body of the standard.

Annexes designated "informative" are given for information only.

In this standard, annex ZA is normative and annexes AA and ZB are informative.

Annexes ZA and ZB have been added by CENELEC.

iTeh STANEndorsement potice VIEW

The text of the International Standard IEC 60601-2-40:1998 was approved by CENELEC as a European Standard without any modification.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE: When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

	Publication	<u>Year</u>	<u>Title</u>	EN/HD	<u>Year</u>		
Addition to annex ZA of EN 60601-1:1990/A2:1995:							
	IEC 60601-1	1988	Medical electrical equipment	EN 60601-1	1990		
	A1	1991	Part 1: General requirements for safety	+ corr. July A1	1994 1993		
	A2	1995	eh STANDARD PREVIEW	+ corr. July A2 ¹⁾	1994 1995		
			(standards.iteh.ai)	A13	1996		
	IEC 60601-1-1	1992	Collateral standard: Safety requirements for medical electrical systems of	EN 60601-1-1	1993		
	A1	1995/sta	andards.iteh.ai/catalog/standards/sist/e527fa55-9a77-4a25-9	7 & 1	1996		
	IEC 60601-1-2	1993	55c301b86eac/sist-en-60601-2-40-1998 2. Collateral standard: Electromagnetic compatibility - Requirements and tests	EN 60601-1-2	1993		
	IEC 60825-1	1993	Safety of laser products Part 1: Equipment classification, requirements and user's guide	EN 60825-1 + corr. February + A11 + corr. July	1994 1995 1996 1997		

¹⁾ A2 includes corrigendum June 1995 to IEC 60601-1:1988/A2.

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Annex ZB (informative)

Other international publications mentioned in this standard with the references of the relevant European publications

 Publication
 Year
 Title
 EN/HD
 Year

 Addition to annex ZB of EN 60601-1:1990/A2:1995:
 IEC 60645-3
 1994
 Audiometers
 EN 60645-3
 1995

Part 3: Auditory test signals of short duration for audiometric and neuro-otological purposes

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<u>SIST EN 60601-2-40:1998</u> https://standards.iteh.ai/catalog/standards/sist/e527fa55-9a77-4a25-97c8-55c301b86eac/sist-en-60601-2-40-1998

NORME INTERNATIONALE INTERNATIONAL STANDARD

CEI IEC 60601-2-40

> Première édition First edition 1998-02

Appareils électromédicaux -

Partie 2-40:

Règles particulières de sécurité pour les électromyographes et les appareils à potentiel évoqué

Medical electrical equipment – Teh STANDARD PREVIEW Part 2-40:

Particular requirements for the safety of electromyographs and evoked response equipment 1998

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

MEDICAL ELECTRICAL EQUIPMENT -

Part 2-40: Particular requirements for the safety of electromyographs and evoked response equipment

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
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- 6) Attention is drawn to the possibility that some of the elements of this international Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60601-2-40 has been prepared by subcommittee 62D: Electromedical equipment, of IEC technical committee 62: Electrical equipment in medical practice.

The text of this standard is based on the following documents:

FDIS	Report on voting	
62D/255/FDIS	62D/272/RVD	

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

Annex AA is for information only.

In this Particular Standard the following print types are used:

- requirements, compliance with which can be tested, and definitions: in roman type;
- notes, explanations, advice, introductions, general statements, exceptions and references: in smaller roman type;
- test specifications: in italic type;
- TERMS USED THROUGHOUT THE PARTICULAR STANDARD WHICH HAVE BEEN DEFINED IN CLAUSE 2 AND IN IEC 60601-1: SMALL CAPITALS.

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INTRODUCTION

This Particular Standard amends and supplements IEC 60601-1 (second edition, 1988): *Medical electrical equipment – Part 1: General requirements for safety*, as amended by its amendment 1 (1991) and amendment 2 (1995), hereinafter referred to as the General Standard (see 1.3).

The requirements are followed by specifications for the relevant tests.

Following the decision taken by subcommittee 62D at the meeting in Washington in 1979, a "General guidance and rationale" section giving some explanatory notes, where appropriate, about the more important requirements is included in annex AA.

Clauses or subclauses for which there are explanatory notes in annex AA are marked with an asterisk (*).

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.

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