

SLOVENSKI STANDARD SIST EN 60601-2-26:1995

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Medical electrical equipment - Part 2: Particular requirements for the safety of electroencephalographs (IEC 601-2-26:1994)

Medical electrical equipment -- Part 2: Particular requirements for the safety of electroencephalographs

Medizinische elektrische Geräte -- Teil 2: Besondere Festlegungen für die Sicherheit von Elektroenzephalographen

Appareils électromédicaux -- Partie 2: Règles particulières de sécurité pour les électroencéphalographes

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11.040.50 Radiografska oprema Radiographic equipment

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Medical electrical equipment Part 2: Particular requirements for the safety of electroencephalographs (IEC 601-2-26:1994)

Appareils électromédicaux Partie 2: Règles particulières de sécurité pour les électroencéphalographes Medizinische elektrische Geräte Teil 2: Besondere Festlegungen für die Sicherheit von Elektroenzephalographen (IEC 601-2-26:1994)

(CEI 601-2-26:1994)

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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(CO)67, as prepared by Sub-Committee 62D: Electromedical equipment, of IEC Technical Committee 62: Electrical equipment in medical practice, was submitted to the IEC-CENELEC parallel vote in October 1992.

The reference document was approved by CENELEC as EN 60601-2-26 on 5 July 1994.

The following dates were fixed:

- latest date of publication of an identical national standard

(dop) 1995-07-01

conflicting national standards

(dow) 1995-07-01

For products which have complied with the relevant national standard before 1995-07-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2000-07-01.

ENDORSEMENT NOTICE

The text of the International Standard IEC 601-2-26:1994 was approved by CENELEC as a European Standard without any modification.

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Appareils électromédicaux

Partie 2:

Règles particulières de sécurité pour les élèctroencephalographes

Medical electrical equipment

Part 2:

Particular requirements for the safety of electroencephalographs

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

MEDICAL ELECTRICAL EQUIPMENT

Part 2: Particular requirements for the safety of electroencephalographs

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 cooperation 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, prepared by technical committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
- 3) They have the form of recommendations for international use 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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- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.

International Standard IEC 601-2-26 has been prepared by sub-committee 62D: Electromedical equipment, of IEC technical committee 62: Electrical equipment in medical practice.

The text of this Particular Standard is based on the following documents:

	DIS	Report on voting
/	62D(CO)67	62D(CO)76

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

Annex AA is for information only.

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In this Particular Standard, the following print types are used:

- requirements, compliance with which can be tested, and definitions: in roman type.
- explanations, advice, introductions, general statements and exceptions: in smaller type.
- test specifications: in italic type.
- TERMS USED THROUGHOUT THIS PARTICULAR STANDARD WHICH HAVE BEEN DEFINED IN CLAUSE 2 AND IN IEC 601-1: SMALL CAPITALS.



INTRODUCTION

This Particular International Standard concerns the safety of electroencephalographs. It amends and supplements IEC 601-1 (second edition 1988), hereinafter referred to as the General Standard. The requirements of this Particular Standard take priority over those of the General Standard, entitled "Medical electrical equipment — Part 1: General requirements for safety".

A "General guidance and rationale" for the requirements of this Particular Standard is included in annex AA.

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.

An asterisk (*) by a clause or subclause number indicates that some explanatory notes are given in the General guidance and rationale section at the end of this Rarticular Standard.



MEDICAL ELECTRICAL EQUIPMENT

Part 2: Particular requirements for the safety of electroencephalographs

SECTION ONE - GENERAL

The clauses and subclauses of this section of the General Standard apply except as follows:

1 Scope and object

This clause of the General Standard applies except as follows;

1.1* Scope

Addition:

This Standard specifies the particular safety requirements for ELECTROENCEPHALOGRAPHS (EEG) as defined in 2.102 hereinafter and also referred to as EQUIPMENT.

The special requirements for other equipment also used in electroencephalography are not covered by this Standard, for example:

- cerebral function monitors;
- phono-photic stimulators;
- EEG telemetry;
- EEG data storage and retrieval
- EEG EQUIPMENT particularly intended for monitoring during electro-convulsive therapy

1.2 Object

Replacement:

The object of this Particular Standard is to specify particular requirements for the safety of ELECTROENCEPHALOGRAPHS as defined in 2.102.

1.3 Particular Standards

Addition:

This Particular Standard refers to IEC 601-1 (1988): Medical electrical equipment – Part 1: General requirements for safety.

For brevity Part 1 is referred to in this Particular Standard either as the General Standard or as the General Requirement(s).

The numbering of sections, clauses and subclauses of this Particular Standard corresponds to that of the General Standard. The changes to the text of the General Standard are specified by the use of the following words:

"Replacement" means that the clause or subclause of the General Standard is replaced completely by the text of this Particular Standard.

"Addition" means that the text of this Particular Standard is additional to the requirements of the General Standard.

"Amendment" means that the clause or subclause of the General Standard is amended as indicated by the text of this Particular Standard.

Subclauses or figures which are additional to those of the General Standard are numbered starting from 101, additional annexes are lettered AA, BB, etc. and additional items aa), bb), etc.

The term "this Standard" is used to make reference to the General Standard and this Particular Standard taken together.

Where there is no corresponding section, clause or subclause in this Particular Standard, the section, clause or subclause of the General Standard, although possibly not relevant, applies without modification; where it is intended that any part of the General Standard, although possibly relevant, is not to be applied, a statement to that effect is given in this Particular Standard.

2 Terminology and definitions

This clause of the General Standard applies except as follows:

Additional definitions.

2.101 CHANNEL

Complete system for the amplification and conditioning of potential differences between a pair or combination of ELECTRODES.

2.102 ELECTROENCEPHALOGRAPH (EEG)

MEDICAL ELECTRICAL EQUIPMENT intended for the production of graphic recordings and/or a visual display of electrical activity of the brain for diagnostic purposes.

2.103 ELECTRODE

Conductor applied over, or inserted into, a region of the scalp or brain to detect electrical activity of the brain in combination with another ELECTRODE or ELECTRODES.