



SLOVENSKI STANDARD
SIST EN 60942:1998/A1:2002
01-september-2002

Electroacoustics - Sound calibrators; Amendment A1 (IEC 60942:1997/A1:2000)

Electroacoustics - Sound calibrators

Elektroakustik - Schallkalibratoren

Electroacoustique - Calibreurs acoustiques

Ta slovenski standard je istoveten z: EN 60942:1998/A1:2001

[SIST EN 60942:1998/A1:2002](https://standards.iteh.ai/catalog/standards/sist/e91aa206-d79b-407d-b629-593e5e5ea972/sist-en-60942-1998-a1-2002)

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ICS:

17.140.50 Elektroakustika Electroacoustics

SIST EN 60942:1998/A1:2002 **en**

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EUROPEAN STANDARD

EN 60942/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2001

ICS 17.140.50;33.100

English version

**Electroacoustics -
Sound calibrators**
(IEC 60942:1997/A1:2000)Electroacoustique -
Calibreurs acoustiques
(CEI 60942:1997/A1:2000)Elektroakustik -
Schallkalibratoren
(IEC 60942:1997/A1:2000)**iTeh STANDARD PREVIEW****(standards.iteh.ai)**

This amendment A1 modifies the European Standard EN 60942:1998; it was approved by CENELEC on 2000-11-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

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.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELECEuropean Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung**Central Secretariat: rue de Stassart 35, B - 1050 Brussels**

Foreword

The text of document 29/456/FDIS, future amendment 1 to IEC 60942:1997, prepared by IEC TC 29, Electroacoustics, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A1 to EN 60942:1998 on 2000-11-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2001-08-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2003-11-01

Annexes designated "normative" are part of the body of the standard.
Annexes designated "informative" are given for information only.
In this standard, annex ZA normative and annex C is informative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of amendment 1:2000 to the International Standard IEC 60942:1997 was approved by CENELEC as an amendment to the European Standard without any modification.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
Add:				
IEC 61000-4-2	1995	Electromagnetic compatibility (EMC) Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test	EN 61000-4-2	1995
IEC 61000-4-3 (mod)	1995	Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test	EN 61000-4-3	1996
IEC 61000-6-1	1997	Part 6-1: Generic standards - Immunity for residential, commercial and light-industrial environments	-	-
IEC 61000-6-2	1999	Part 6-2: Generic standards - Immunity for industrial environments	EN 61000-6-2	1999
IEC 61000-6-3	1996	Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments	-	-
IEC 61000-6-4	1997	Part 6-4: Generic standards - Emission standard for industrial environments	-	-
CISPR 22 (mod)	1997	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement	EN 55022 + corr. August	1998 1999

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NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC
60942

1997

AMENDEMENT 1
AMENDMENT 1
2000-10

Amendement 1

**Electroacoustique –
Calibreurs acoustiques**

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Electroacoustics –

<https://standards.iteh.ai/catalog/standards/sist/e91aa206-d79b-407d-b629-593e5e5ca972/sist-en-60942-1998-a1-2002>
Sound calibrators

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

J

*Pour prix, voir catalogue en vigueur
For price, see current catalogue*

FOREWORD

This amendment has been prepared by IEC technical committee 29: Electroacoustics.

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

FDIS	Report on voting
29/456/FDIS	29/470/RVD

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

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CONTENTS

Add the following new clause:

7 Electromagnetic and electrostatic compatibility requirements and test procedures

Add the following new annex: (standards.iteh.ai)

Annex C – Emission limits [SIST EN 60942:1998/A1:2002](https://standards.iteh.ai/catalog/standards/sist/e91aa206-d79b-407d-b629-593e5e5ea972/sist-en-60942-1998-a1-2002)
<https://standards.iteh.ai/catalog/standards/sist/e91aa206-d79b-407d-b629-593e5e5ea972/sist-en-60942-1998-a1-2002>

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2 Normative references

Replace the existing introductory paragraph by the following new text and add the following new references:

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document applies. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 61000-4-2:1995, *Electromagnetic compatibility (EMC) – Part 4: Testing and measurement techniques – Section 2: Electrostatic discharge immunity test*. Basic EMC publication

IEC 61000-4-3:1995, *Electromagnetic compatibility (EMC) – Part 4: Testing and measurement techniques – Section 3: Radiated, radio-frequency, electromagnetic field immunity test*

IEC 61000-6-1:1997, *Electromagnetic compatibility (EMC) – Part 6: Generic standards – Section 1: Immunity for residential, commercial and light-industrial environments*

IEC 61000-6-2:1999, *Electromagnetic compatibility (EMC) – Part 6-2: Generic standards – Immunity for industrial environments*

IEC 61000-6-4:1997, *Electromagnetic compatibility (EMC) – Part 6: Generic standards – Section 4: Emission standard for industrial environments*

CISPR 22:1997, *Information technology equipment – Radio disturbance characteristics – Limits and methods of measurement*

CISPR 61000-6-3:1996, *Electromagnetic compatibility (EMC) – Part 6: Generic standards – Section 3: Emission standard for residential, commercial and light-industrial environments*

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3 Definitions

Replace the introductory text by the following new text:

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For the purposes of this International Standard the definitions contained in IEC 60050(801), IEC 61000-4-2, IEC 61000-4-3, IEC 61000-6-1, IEC 61000-6-2, IEC 61000-6-4 and CISPR 61000-6-3 apply, together with the following definitions.

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Add, on page 13, the following new definition:
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3.16

reference orientation (of a sound calibrator)

orientation of a calibrator such that the principal axis of the opening of the cavity (the axis along which the microphone is inserted into the cavity) coincides with the principal direction of an emitter or receiver of radio-frequency fields. The opening of the cavity faces away from the emitter or receiver

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6.2 Instruction manual

Add, on page 27, the following new text:

- p) the configuration for the normal mode of operation;
- q) the approved cables and accessories as included in the tests of 7.5.2.6 and 7.5.4.4;
- r) the configuration for the reference orientation;
- s) the configuration, sound pressure level and frequency setting for greatest radio-frequency emissions;
- t) any specified degradation in performance or loss of functionality following the application of electrostatic discharges;
- u) the mode of operation and connecting devices that produce minimum immunity to power- and radio-frequency fields, when applicable.