

**SLOVENSKI STANDARD**  
**SIST EN 61000-4-2:1997/A1:1999**  
**01-april-1999**

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**Electromagnetic compatibility (EMC) - Part 4-2: Testing and measuring techniques – Electrostatic discharge immunity test - Amendment 1 (IEC 61000-4-2:1995/A1:1998)**

Electromagnetic compatibility (EMC) -- Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test

Elektromagnetische Verträglichkeit (EMV) -- Teil 4-2: Prüf- und Meßverfahren - Störfestigkeit gegen die Entladung statischer Elektrizität

Compatibilité électromagnétique (CEM) -- Partie 4-2: Techniques d'essai et de mesure - Essai d'immunité aux décharges électrostatiques

**Ta slovenski standard je istoveten z: EN 61000-4-2:1995/A1:1998**

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**ICS:**

33.100.20      Imunost      Immunity

**SIST EN 61000-4-2:1997/A1:1999      en**

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ICS 33.100

Descriptors: Electric equipment, electronic equipment, electromagnetic compatibility, electrostatic protection, electrostatic discharge tests, characteristics, testing conditions

English version

**Electromagnetic compatibility (EMC)**  
**Part 4-2: Testing and measurement techniques**  
**Electrostatic discharge immunity test**  
**(IEC 61000-4-2:1995/A1:1998)**

Compatibilité électromagnétique (CEM)  
Partie 4-2: Techniques d'essai et de  
mesure - Essais d'immunité aux  
décharges électrostatiques  
(CEI 61000-4-2:1995/A1:1998)

Elektromagnetische  
Verträglichkeit (EMV)  
Teil 4-2: Prüf- und Meßverfahren  
Störfestigkeit gegen die Entladung  
statischer Elektrizität  
(IEC 61000-4-2:1995/A1:1998)

This amendment A1 modifies the European Standard EN 61000-4-2:1995; it was approved by CENELEC on 1998-04-01. 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.

**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

### Foreword

The text of document 77B/216/FDIS, future amendment 1 to IEC 61000-4-2:1995, prepared by SC 77B, High-frequency phenomena, of IEC TC 77, Electromagnetic compatibility, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A1 to EN 61000-4-2:1995 on 1998-04-01.

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) 1999-01-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2001-01-01

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### Endorsement notice

The text of amendment 1:1998 to the International Standard IEC 61000-4-2:1995 was approved by CENELEC as an amendment to the European Standard without any modification.

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NORME  
INTERNATIONALE  
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STANDARD

CEI  
IEC

61000-4-2

1995

AMENDEMENT 1  
AMENDMENT 1

1998-01

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PUBLICATION FONDAMENTALE EN CEM  
BASIC EMC PUBLICATION

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Amendement 1

**Compatibilité électromagnétique (CEM) –**

**Partie 4-2:  
Techniques d'essai et de mesure –  
Essai d'immunité aux décharges électrostatiques**

[SIST EN 61000-4-2:1997/A1:1999](https://standards.iteh.ai/catalog/standards/sist/dc2b3f56-70c6-49ed-8aef-b40ebfd58f74/sist-en-61000-4-2-1997-a1-1999)

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Amendment 1

**Electromagnetic compatibility (EMC) –**

**Part 4-2:  
Testing and measurement techniques –  
Electrostatic discharge immunity test**

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International Electrotechnical Commission  
Telefax: +41 22 919 0300

3, rue de Varembe Geneva, Switzerland  
e-mail: [inmail@iec.ch](mailto:inmail@iec.ch) IEC web site <http://www.iec.ch>



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## FOREWORD

This amendment has been prepared by subcommittee 77B: High frequency phenomena, of IEC technical committee 77: Electromagnetic compatibility.

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

FDIS	Report on voting
77B/216/FDIS	77B/226/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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### 8.3.2.1 Horizontal coupling plane under the EUT

*Replace the title and the text of this subclause by the following:*

### 8.3.2.1 Horizontal coupling plane (HCP) under the EUT

Discharge to the HCP shall be made horizontally to the edge of the HCP.

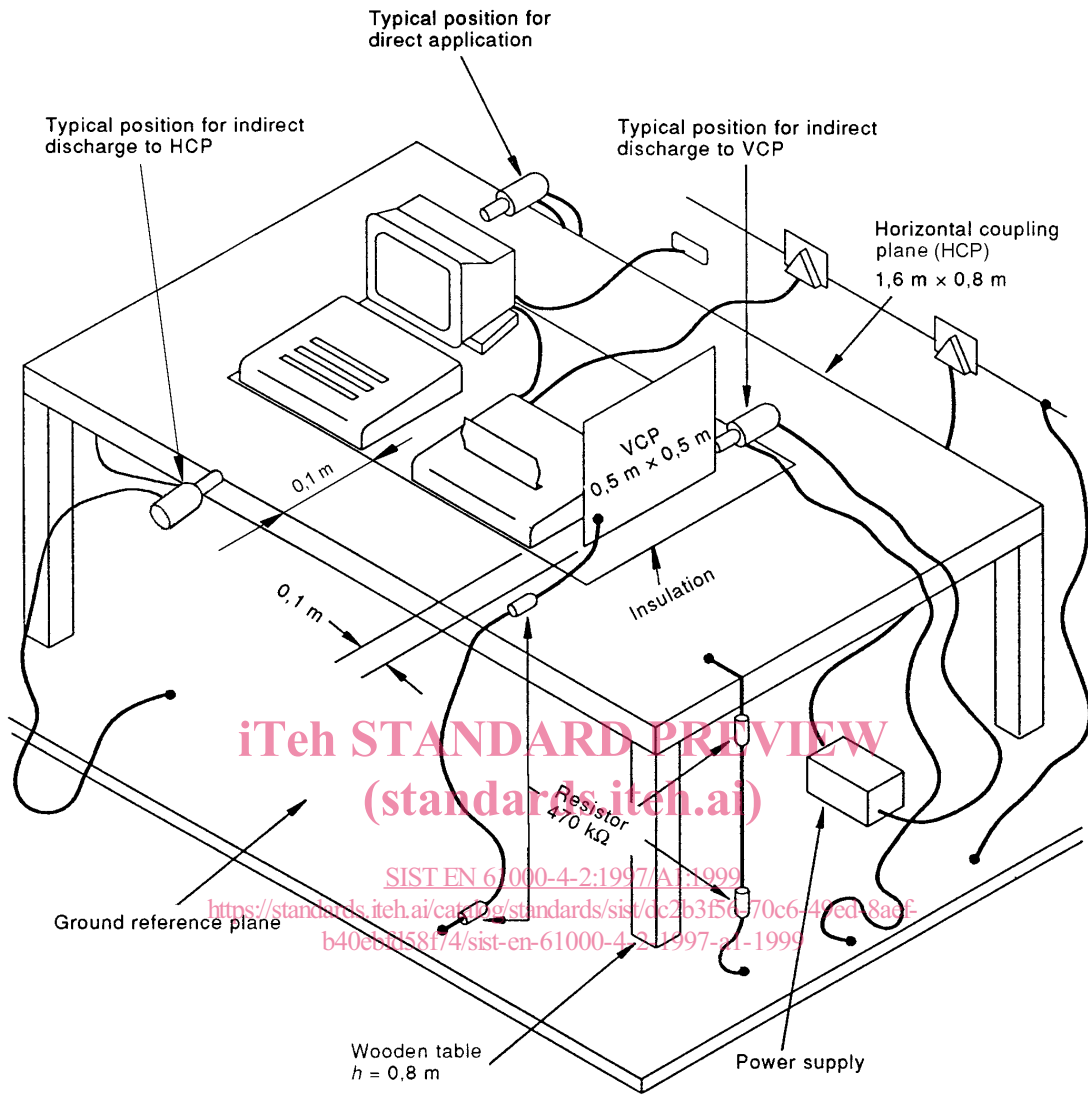
At least 10 single discharges (in the most sensitive polarity) shall be applied at the front edge of each HCP opposite the centre point of each unit (if applicable) of the EUT and 0,1 m from the front of the EUT. The long axis of the discharge electrode shall be in the plane of the HCP and perpendicular to its front edge during the discharge.

The discharge electrode shall be in contact with the edge of the HCP (see figure 5).

In addition, consideration should be given to exposing all sides of the EUT to this test.

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*Replace figure 5 by the following new figure:*



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IEC 063/98

Dimensions in metres

Figure 5 – Example of test set-up for table-top equipment –  
Laboratory tests