



SLOVENSKI STANDARD
SIST EN 61000-4-18:2007/A1:2011
01-maj-2011

Elektromagnetna združljivost (EMC) - 4-18. del: Preskusne in merilne tehnike - Preskus odpornosti proti nihajnemu valu - Dodatek A1 (IEC 61000-4-18:2006/A1:2010)

Electromagnetic compatibility (EMC) - Part 4-18: Testing and measurement techniques - Damped oscillatory wave immunity test

Elektromagnetische Verträglichkeit (EMV) - Teil 4-18: Prüf- und Messverfahren - Prüfung der Störfestigkeit gegen gedämpft schwingende Wellen

(standards.iteh.ai)

Compatibilité électromagnétique (CEM) - Partie 4-18: Techniques d'essai et de mesure - Essai d'immunité à l'onde oscillatoire amortie

<https://standards.iteh.ai/catalog/standards/sist/05eba423-066e-4223-a844-77a02856f954/sist-en-61000-4-18-2007-a1-2011>

Ta slovenski standard je istoveten z: EN 61000-4-18:2007/A1:2010

ICS:

33.100.20 Imunost Immunity

SIST EN 61000-4-18:2007/A1:2011 en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61000-4-18/A1

July 2010

ICS 33.100.20

English version

**Electromagnetic compatibility (EMC) -
Part 4-18: Testing and measurement techniques -
Damped oscillatory wave immunity test
(IEC 61000-4-18:2006/A1:2010)**

Compatibilité électromagnétique (CEM) -
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This amendment A1 modifies the European Standard EN 61000-4-18:2007; it was approved by CENELEC on 2010-07-01. 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.

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CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 77B/604/CDV, future amendment 1 to IEC 61000-4-18:2006, 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 61000-4-18:2007 on 2010-07-01.

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

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) 2011-04-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2013-07-01

Endorsement notice

The text of amendment 1:2010 to the International Standard IEC 61000-4-18:2006 was approved by CENELEC as an amendment to the European Standard without any modification.

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[SIST EN 61000-4-18:2007/A1:2011](https://standards.iteh.ai/catalog/standards/sist/05eba423-066e-4223-a844-77a02856f954/sist-en-61000-4-18-2007-a1-2011)

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AMENDMENT 1
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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:

Enquiry draft	Report on voting
77B/604/CDV	77B/633/RVC

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

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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6.1.4 Verification of the characteristics of the test generator

Replace the last paragraph by the following: [SIST EN 61000-4-18:2007/A1:2011](http://standards.iteh.ai/catalog/standards/sist/05eba423-066e-4223-a844-77a02856f954/sist-en-61000-4-18-2007-a1-2011)

The waveform characteristics shall be verified directly at the output of the test generator with open circuit and short circuit load impedances.

6.2 Specifications of the coupling/decoupling network

Replace the first paragraph by the following:

The coupling/decoupling network (CDN) provides both the ability to apply the test voltage in either common (for both generators) or differential (only 100 kHz, 1 MHz) mode to the mains, signal and control ports of the EUT (equipment under test), and prevents test voltage from affecting any auxiliary equipment needed to perform the test. The waves shall be within the tolerances of 6.1.1 or 6.1.2 at the EUT port of the CDN. Verifications shall be made port by port with the short circuit test load impedance of 0,1 Ω , e.g. 3-phase CDN: L1 to PE, L2 to PE, L3 to PE, N to PE.

8 Test procedure

Replace the first paragraph by the following:

The performance of the test equipment shall be checked prior to the test. This check can usually be limited to the existence of the damped oscillatory wave at the output of the coupling/decoupling network.