

SLOVENSKI STANDARD
SIST EN 62053-11:2004/A1:2017
01-april-2017

**Oprema za merjenje električne energije (izmenični tok) - Posebne zahteve - 11. del:
Elektromehanski števcji delovne energije (razredi 0,5, 1 in 2) - Dopnilo A1**

Electricity metering equipment (a.c.) - Particular requirements - Part 11:
Electromechanical meters for active energy (classes 0,5, 1 and 2)

Wechselstrom-Elektrizitätszähler - Besondere Anforderungen - Teil 11:
Elektromechanische Wirkverbrauchszähler der Genauigkeitsklassen 0,5, 1 und 2

Équipement de comptage de l'électricité (c.a.) - Prescriptions particulières - Partie 11 :
compteurs électromécaniques d'énergie active (classes 0,5, 1 et 2)

<https://standards.iteh.ai/catalog/standards/sist/0899376f-3c06-4e3f-ba0d-b2991e7df532/sist-en-62053-11-2004-a1-2017>

Ta slovenski standard je istoveten z: EN 62053-11:2003/A1:2017

ICS:

17.220.20	Merjenje električnih in magnetnih veličin	Measurement of electrical and magnetic quantities
91.140.50	Sistemi za oskrbo z elektriko	Electricity supply systems

SIST EN 62053-11:2004/A1:2017 **en**

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EUROPEAN STANDARD

EN 62053-11:2003/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2017

ICS 17.220.20

English Version

Electricity metering equipment (a.c.) - Particular requirements -
Part 11: Electromechanical meters for active energy (classes
0,5, 1 and 2)
(IEC 62053-11:2003/A1:2016)

Équipement de comptage de l'électricité (c.a.) -
Prescriptions particulières - Partie 11 : compteurs
électromécaniques d'énergie active (classes 0,5, 1 et 2)
(IEC 62053-11:2003/A1:2016)

Wechselstrom-Elektrizitätszähler - Besondere
Anforderungen - Teil 11: Elektromechanische
Wirkverbrauchszähler der Genauigkeitsklassen 0,5, 1 und 2
(IEC 62053-11:2003/A1:2016)

This amendment A1 modifies the European Standard EN 62053-11:2003; it was approved by CENELEC on 2016-12-23. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

EN 62053-11:2003/A1:2017**European foreword**

The text of document 13/1698/FDIS, future IEC 62053-11:2003/A1, prepared by IEC/TC 13 "Electrical energy measurement, tariff- and load control" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62053-11:2003/A1:2017.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2017-09-23
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2019-12-23

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

Endorsement notice

The text of the International Standard IEC 62053-11:2003/A1:2016 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 62058-11:2008	NOTE Harmonized as EN 62058-11:2010. https://standards.iteh.ai/catalog/standards/sist/0899376f-3c06-4e3f-ba0d-b2991e1072/sist-62053-11:2003-a1:2017
IEC 62058-21:2008	NOTE Harmonized as EN 62058-21:2010.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Delete:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60514	1975	Acceptance inspection of Class 2 alternating-current watt-hour meters	-	-
IEC 60736	1982	Testing equipment for electrical energy meters	-	-

Addition:

IEC 62052-11	2003	Electricity metering equipment (AC) - General requirements, tests and test conditions -- Part 11: Metering equipment	EN 62052-11	2003
+ A1	2016		+ A1	2017
IEC 62052-31	2015	Electricity metering equipment (AC) - General requirements, tests and test conditions -- Part 31: Product safety requirements and tests	EN 62052-31	2016

[SIST EN 62053-11:2004/A1:2017](https://standards.iteh.ai/catalog/standards/sist/0899376f-3c06-4e3f-ba0d-b2991e7df532/sist-en-62053-11-2004-a1-2017)

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IEC 62053-11

Edition 1.0 2016-11

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

**Electricity metering equipment (a.c.) – Particular requirements –
Part 11: Electromechanical meters for active energy (classes 0,5, 1 and 2)**

**Équipement de comptage de l'électricité (c.a.) – Prescriptions particulières –
Partie 11: Compteurs électromécaniques d'énergie active (classes 0,5, 1 et 2)**

INTERNATIONAL
ELECTROTECHNICAL
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ICS 17.220.20

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FOREWORD

This amendment has been prepared by IEC technical committee 13: Electrical energy measurement and control.

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

FDIS	Report on voting
13/1698/FDIS	13/1712/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.

The committee has decided that the contents of this amendment and the base 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.

iTeh STANDARD PREVIEW

NOTE The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests.

[SIST EN 62053-11:2004/A1:2017](https://standards.itih.ai/catalog/standards/sist/0209376f-3c06-4e3f-ba0d-099742201011/sist-en-62053-11-2004-a1-2017)

It is the recommendation of the committee that the content of this publication be adopted for implementation nationally not earlier than 2 years from the date of publication.

INTRODUCTION TO AMENDMENT 1

The purpose of this amendment is to identify and remove all safety related requirements and tests of IEC 62053-11:2003 that are replaced and extended by the complete set of requirements and tests in IEC 62052-31:2015.

Introduction

Add the following items to the list of standards:

IEC 62052-11:2003, *Electricity metering equipment (AC) – General requirements, tests and test conditions – Part 11: Metering equipment*
Amendment 1 (2016)

IEC 62052-31:2015, *Electricity metering equipment (AC) – General requirements, tests and test conditions – Part 31: Product safety requirements and tests*

1 Scope

After the dashed items list, add the following:

The safety aspect is covered by IEC 62052-31:2015.

Replace the penultimate paragraph by:

Regarding acceptance tests, see IEC 62058-11:2008 and IEC 62058-21:2008.

2 Normative references

Remove the following standards:

IEC 60514:1975, *Acceptance inspection of Class 2 alternating-current watt-hour meters*

IEC 60736:1982, *Testing equipment for electrical energy meters*

Add the following standards:

IEC 62052-11:2003, *Electricity metering equipment (AC) – General requirements, tests and test conditions – Part 11: Metering equipment*
Amendment 1 (2016)

IEC 62052-31:2015, *Electricity metering equipment (AC) – General requirements, tests and test conditions – Part 31: Product safety requirements and tests*

7.2 Influence of short-time overcurrents

At the end of the subclause, add the following:

In addition to the existing requirements and tests covering the metrology aspect, safety related requirements specified in IEC 62052-31:2015, 6.9.8 and tests specified in 6.10.5 and 6.10.6 apply.

7.3 Influence of self-heating

Replace the last paragraph with the following:

Test cables shall be as specified in IEC 62052-31:2015, 4.3.2.11.

7.4 AC voltage test

Replace the existing subclause by the following:

IEC 62052-31:2015, 6.10.4.3.4 and Annex G apply.