

**SLOVENSKI STANDARD**  
**SIST EN 62052-21:2005/A1:2017**  
**01-april-2017**

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**Oprema za merjenje električne energije (izmenični tok) - Splošne zahteve, preskusi in pogoji preskušanja - 21. del: Oprema za krmiljenje tarif in bremen - Dopolnilo A1**

Electricity metering equipment (AC) - General requirements, tests and test conditions - Part 21: Tariff and load control equipment

Wechselstrom-Elektrizitätszähler - Allgemeine Anforderungen, Prüfungen und Prüfbedingungen - Teil 11: Messeinrichtungen

Équipement de comptage de l'électricité - Prescriptions générales, essais et conditions d'essai - Partie 21: Equipement de tarification et de contrôle de charge

<https://standards.iteh.ai/catalog/standards/sist/80edf39c-c950-4d5c-a21d-e15974ce3d2d/sist-en-62052-21-2005-a1-2017>

**Ta slovenski standard je istoveten z: EN 62052-21:2004/A1:2017**

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**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 62052-21:2005/A1:2017**      **en**

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EUROPEAN STANDARD

**EN 62052-21:2004/A1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2017

ICS 91.140.50

English Version

Electricity metering equipment (AC) - General requirements,  
tests and test conditions - Part 21: Tariff and load control  
equipment  
(IEC 62052-21:2004/A1:2016)

Équipement de comptage de l'électricité - Prescriptions  
générales, essais et conditions d'essai - Partie 21:  
Équipement de tarification et de contrôle de charge  
(IEC 62052-21:2004/A1:2016)

Wechselstrom-Elektrizitätszähler - Allgemeine  
Anforderungen, Prüfungen und Prüfbedingungen - Teil 21:  
Einrichtungen für Tarif- und Laststeuerung  
(IEC 62052-21:2004/A1:2016)

This amendment A1 modifies the European Standard EN 62052-21:2004; it was approved by CENELEC on 2016-12-28. 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 62052-21:2004/A1:2017****European foreword**

The text of document 13/1702/FDIS, future IEC 62052-21:2004/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 62052-21:2004/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) 2017-09-28
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2019-12-28

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 62052-21:2004/A1:2016 was approved by CENELEC as a European Standard without any modification.

In the Bibliography of EN 62052-21:2004, the following note has to be **added** for the standard indicated:

IEC 62058-11:2008

NOTE Harmonized as EN 62058-11:2010.

<https://standards.iteh.ai/catalog/standards/sist/80edf39c-c950-4d5c-a21d-e15974ce3d2d/sist-en-62052-21-2005-a1-2017>

## 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](http://www.cenelec.eu).

#### **Delete:**

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60060-1	1989	High-voltage test techniques -- Part 1: General definitions and test requirements	-	-
IEC 60068-2-75	1997	Environmental testing -- Part 2-75: Tests - Test Eh: Hammer tests	EN 60068-2-75	1997
IEC 60085	1984	Thermal evaluation and classification of electrical insulation	-	-
IEC 60529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529	1991
-	-		+ corrigendum May 1993	
IEC 60695-2-10	2000	Fire hazard testing -- Part 2-10: Glowing/hot-wire based test methods - Glow-wire apparatus and common test procedure		-
IEC 60695-2-11	2000	Fire hazard testing -- Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products	EN 60695-2-11	2001
ISO 75-2	-	Plastics - Determination of temperature of deflection under load -- Part 2: Plastics and ebonite	-	-

#### **Addition:**

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
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

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<https://standards.iteh.ai/catalog/standards/sist/80edf39c-c950-4d5c-a21d-e15974ce3d2d/sist-en-62052-21-2005-a1-2017>



IEC 62052-21

Edition 1.0 2016-11

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

AMENDMENT 1  
AMENDEMENT 1

**Electricity metering equipment (a.c.) – General requirements, tests and test conditions –  
Part 21: Tariff and load control equipment**

**Équipement de comptage d'électricité (c.a.) – Prescriptions générales, essais et conditions d'essai –  
Partie 21: Equipement de tarification et de contrôle de charge**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

COMMISSION  
ELECTROTECHNIQUE  
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ICS 91.140.50

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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
13/1702/FDIS	13/1716/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 62052-21:2005/A1:2017](https://standards.iteh.ai/catalog/standards/sist/80ed139c-c950-4d5c-a21d-799e30000000/iec-62052-21-2005-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.

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## INTRODUCTION TO AMENDMENT 1

The purpose of this amendment is to identify and remove all safety related requirements and tests of IEC 62052-21:2004 that are replaced and extended by the complete set of requirements and tests in IEC 62052-31:2015.

In addition, Annex F has been amended to refer to IEC 62058-11:2008 instead of IEC 60410 which has been withdrawn.

### Introduction

*Add the following to the list of standards:*

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



IEC 62052-21:2004/AMD1:2016

– 3 –

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## 1 Scope

Add the following after the fourth paragraph:

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

## 2 Normative references

Add the following standard:

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

Remove the following standards:

IEC 60060-1:1989, *High-voltage test techniques – Part 1: General definitions and test requirements*

IEC 60068-2-75:1997, *Environmental testing – Part 2-75: Tests – Test Eh: Hammer tests*

IEC 60085:1984, *Thermal evaluation and classification of electrical insulation*

IEC 60529:1989, *Degrees of protection provided by enclosures (IP Code)*

IEC 60695-2-10:2000, *Fire hazard testing – Part 2-10: Glowing/hot-wire based test methods – Glow-wire apparatus and common test procedures*

IEC 60695-2-11:2000, *Fire hazard testing – Part 2-11: Glowing/hot-wire based test methods – Glow-wire flammability test method for end-products*

ISO 75-2:1993, *Plastics – Determination of temperature of deflection under load – Part 2: Plastic and ebonite*

Add the following note:

NOTE Some standards referenced in IEC 62052-11:2003 have been revised or replaced, but these changes will be considered in the full revision of this standard.

## 3 Terms and definitions

### 3.5 Definitions related to the output elements

#### 3.5.6 rated breaking voltage

Replace the existing definition by:

See IEC 62052-31:2015, 6.9.8.2.2.

#### 3.5.7 rated breaking current

Replace the existing definition by:

See IEC 62052-31:2015, 3.7.8, (breaking current) and 3.7.9, (breaking capacity).