



BSI Standards Publication

Electricity metering (a.c.) - Tariff and load control

Part 11: Particular requirements for electronic ripple control receivers

National foreword

This British Standard is the UK implementation of EN 62054-11:2004+A1:2017, incorporating corrigendum March 2018. It is identical to IEC 62054-11:2004, incorporating amendment 1:2016. It supersedes BS EN 62054-11:2004, which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to IEC text carry the number of the IEC amendment. For example, text altered by IEC amendment 1 is indicated by A1 A1.

The UK participation in its preparation was entrusted to Technical Committee PEL/13, Electricity Meters.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Amendments/corrigenda issued since publication

Date	Text affected
31 October 2005	Revision of supersession details
31 March 2017	Implementation of IEC amendment 1:2016 with CENELEC endorsement A1:2017. Annex ZA updated
31 July 2018	Implementation of IEC corrigendum March 2018

**Electricity metering (a.c.) –
Tariff and load control
Part 11: Particular requirements for
electronic ripple control receivers
(IEC 62054-11:2004)**

Equipement de comptage d'électricité
(c.a.) –
Tarification et contrôle de charge
Partie 11: Prescriptions particulières
pour récepteurs électroniques de
télécommande centralisée
(CEI 62054-11:2004)

Wechselstrom-Elektrizitätszähler –
Tarif- und Laststeuerung
Teil 11: Besondere Anforderungen
an elektronische Rundsteuerempfänger
(IEC 62054-11:2004)

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This European Standard 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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, 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 13/1306/FDIS, future edition 1 of IEC 62054-11, prepared by IEC TC 13, Equipment for electrical energy measurement and load control, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62054-11 on 2004-07-06.

This standard, in conjunction with EN 62052-21, supersedes EN 61037:1992 + A1:1996 + A2:1998.

This standard is to be used in conjunction with EN 62052-21 and the relevant parts of the EN 62059 series.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2005-05-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2007-07-01

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and covers essential requirements of EC Directive(s). See Annex ZZ.

Annexes ZA and ZZ have been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62054-11:2004 was approved by CENELEC as a European Standard without any modification.

Corrigendum to text of IEC 62054-11:2004

In subclause 7.6.4,

- **replace** "Field strength of the unmodulated signal: 10 V/m" by "At field strength of 10 V/m (measured according to EN 61000-4-3)".
 - **replace** "Field strength of the unmodulated signal: 30 V/m" by "At field strength of 30 V/m (measured according to EN 61000-4-3)".
-

Foreword to amendment A1

The text of document 13/1697/FDIS, future IEC 62054-11:2004/A1, prepared by IEC/TC 13 “Electrical energy measurement and control” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62054-11:2004/A1:2017.

The following dates are fixed:

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

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 62054-11:2004/A1:2016 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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

NOTE Where an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62052-21	2004	Electricity metering equipment (AC) - General requirements, tests and test conditions Part 21: Tariff and load control equipment	EN 62052-21	- ¹⁾
IEC 62052-21	2004	Electricity metering equipment (a.c.) - General requirements, tests and test conditions - Part 21: Tariff and load control equipment	EN 62052-21	2004
+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

Annex ZZ (informative)

Coverage of Essential Requirements of EC Directives

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and within its scope the standard covers all relevant essential requirements as given in Article 4 of the EC Directive 89/336/EEC.

Compliance with this standard provides one means of conformity with the specified essential requirements of the Directive[s] concerned.

WARNING: Other requirements and other EC Directives may be applicable to the products falling within the scope of this standard.

¹⁾ To be published.

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTRICITY METERING (AC) –
TARIFF AND LOAD CONTROL –****Part 11: Particular requirements for electronic ripple
control receivers****FOREWORD**

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International Standard IEC 62054-11 has been prepared by IEC technical committee 13: Equipment for electrical energy measurement and load control. This standard, in conjunction with IEC 62052-21, cancels and replaces IEC 61037:1990, *Electricity metering – Tariff and load control – Particular requirements for electronic ripple control receivers*.

This standard is to be used in conjunction with IEC 62052-21 and the relevant parts of the IEC 62059 series.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

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

A bilingual version of this publication may be issued at a later date.

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.

It is the recommendation of the committee that the content of this publication be adopted for implementation nationally not earlier than 4 years from the date of publication.