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## Elmätare för växelström – Mottagningskontroll – Del 11: Allmänna rutiner för mottagningskontroll

*Electricity metering equipment (a.c.) –  
Acceptance inspection –  
Part 11: General acceptance inspection methods*

Som svensk standard gäller europastandarden EN 62058-11:2010. Den svenska standarden innehåller den officiella engelska språkversionen av EN 62058-11:2010.

### Nationellt förord

Europastandarden EN 62058-11:2010

består av:

- **europastandardens ikraftsättningsdokument**, utarbetat inom CENELEC
- **IEC 62058-11, First edition, 2008 - Electricity metering equipment (a.c.) - Acceptance inspection - Part 11: General acceptance inspection methods**

utarbetad inom International Electrotechnical Commission, IEC.

Tidigare fastställd svensk standard SS-EN 60514, utgåva 1, 1995 och SS-EN 61358, utgåva 1, 1996, gäller ej fr o m 2013-06-01.

SS-EN 62058-11 och SS-EN 62058-21, utgåva 1, 2010 ersätter tillsammans SS-EN 60514, utgåva 1, 1995.  
SS-EN 62058-11 och SS-EN 62058-31, utgåva 1, 2010 ersätter tillsammans SS-EN 61358, utgåva 1, 1996.

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English version

**Electricity metering equipment (a.c.) -  
Acceptance inspection -  
Part 11: General acceptance inspection methods  
(IEC 62058-11:2008, modified)**

Équipement de comptage  
de l'électricité (c.a.) -  
Contrôle de réception -  
Partie 11: Méthodes générales  
de contrôle de réception  
(CEI 62058-11:2008, modifiée)

Wechselstrom-Elektrizitätszähler -  
Annahmeprüfung -  
Teil 11: Allgemeine Verfahren  
zur Annahmeprüfung  
(IEC 62058-11:2008, modifiziert)

This European Standard was approved by CENELEC on 2010-06-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard 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 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, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

**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 13/1430/FDIS, future edition 1 of IEC 62058-11, prepared by IEC TC 13, Electrical energy measurement, tariff- and load control, was submitted to the IEC-CENELEC parallel vote.

A draft amendment, prepared by the Technical Committee CENELEC TC 13, Equipment for electrical energy measurement and load control, was submitted to the formal vote.

The combined texts were approved by CENELEC as EN 62058-11 on 2010-06-01.

EN 62058-11:2010, together with EN 62058-21:2010, supersedes EN 60514:1995 and, together with EN 62058-31:2010, EN 62058-11:2010 supersedes EN 61358:1996.

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 EN has to be implemented  
at national level by publication of an identical  
national standard or by endorsement (dop) 2011-06-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2013-06-01

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 2004/22/EC. See Annex ZZ.

Annexes ZA and ZZ have been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 62058-11:2008 was approved by CENELEC as a European Standard with agreed common modifications as given below.

## 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 When 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>
ISO 2859-1 + corr. March	1999 2001	Sampling procedures for inspection by attributes - Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection	-	-
ISO 2859-2	1985	Sampling procedures for inspection by attributes - Part 2: Sampling plans indexed by limiting quality (LQ) for isolated lot inspection	-	-
ISO 2859-3	2005	Sampling procedures for inspection by attributes - Part 3: Skip-lot sampling procedures	-	-
ISO 3534-2	2006	Statistics - Vocabulary and symbols - Part 2: Applied statistics	-	-
ISO 3951-1	2005	Sampling procedures for inspection by variables - Part 1: Specification for single sampling plans indexed by acceptance quality limit (AQL) for lot-by-lot inspection for a single quality characteristic and a single AQL	-	-
ISO 3951-2	2006	Sampling procedures for inspection by variables - Part 2: General specification for single sampling plans indexed by acceptance quality limit (AQL) for lot-by-lot inspection of independent quality characteristics	-	-
ISO 5479	1997	Statistical interpretation of data - Tests for departure from the normal distribution	-	-

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## INTRODUCTION

This part of IEC 62058 describes – based on relevant standards established by ISO TC 69 SC 5 – general acceptance inspection methods of newly manufactured electricity meters, supplied in lots of 50 and above. The method of acceptance of smaller lots should be agreed upon by the manufacturer and the customer.

In this standard, it has been taken into account that modern, automated manufacturing processes operated under quality management systems allow to keep the quality level under tight control.

This standard, together with IEC 62058-21, containing particular requirements for acceptance inspection of electromechanical meters for active energy, and IEC 62058-31, containing particular requirements for acceptance inspection of static meters for active energy, cancels and replaces the following standards:

- IEC 60514: *Acceptance inspection of class 2 alternating-current watt-hour meters and*
- IEC 61358: *Acceptance inspection for direct connected alternating current static watt-hour meters for active energy (classes 1 and 2).*

Main changes in this standard compared to those earlier standards:

- it is based on the latest standards established by ISO TC 69 SC 5;
- the rules for switching between normal, tightened and reduced inspection have been adopted;
- the procedures for inspection of isolated lots have been adopted;
- the procedures for skip-lot sampling have been adopted;
- for inspection by variables, the “*R*” method has been eliminated and the “*σ*” method has been adopted.

# ELECTRICITY METERING EQUIPMENT (AC) – ACCEPTANCE INSPECTION –

## Part 11: General acceptance inspection methods

### 1 Scope

The general acceptance inspection methods specified in this part of IEC 62058 apply to newly manufactured electricity meters produced and supplied in lots of 50 and above.

### 2 Normative references

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.

ISO 2859-1:1999, *Sampling procedures for inspection by attributes – Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*

ISO 2859-1:1999/Cor 1:2001

ISO 2859-2:1985, *Sampling procedures for inspection by attributes – Part 2: Sampling plans indexed by limiting quality (LQ) for isolated lot inspection*

ISO 2859-3:2005, *Sampling procedures for inspection by attributes – Part 3: Skip-lot sampling procedures*

ISO 3534-2:2006 Ed. 2 *Statistics – Vocabulary and symbols – Part 2: Applied statistics*

ISO 3951-1:2005 Ed. 1, *Sampling procedures for inspection by variables – Part 1: Specification for single sampling plans indexed by acceptance quality limit (AQL) for lot-by-lot inspection for a single quality characteristic and a single AQL*

ISO 3951-2:2006 Ed. 1, *Sampling procedures for inspection by variables – Part 2: General specification for single sampling plans indexed by acceptance quality limit (AQL) for lot-by-lot inspection of independent quality characteristics*

ISO 5479:1997, *Statistical interpretation of data – Tests for departure from the normal distribution*