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

I.S. EN 62058-11:2010

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

Equipement 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.

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CENELEC

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

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTRICITY METERING EQUIPMENT (AC) –
ACCEPTANCE INSPECTION –****Part 11: General acceptance inspection methods**

FOREWORD

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A list of all parts of IEC 62058 series, published under the general title *Electricity metering equipment (AC) – Acceptance inspection*, can be found on the IEC website.

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The committee has decided that the contents of this publication will remain unchanged until the maintenance result 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- withdrawn,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.

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.

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