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Irish Standard
I.S. EN 62058-11:2010

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

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European Committee for Electrotechnical Standardization
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ELECTRICITY METERING EQUIPMENT (AC) – ACCEPTANCE INSPECTION –

Part 11: General acceptance inspection methods

FOREWORD

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International Standard IEC 62058-11 has been prepared by IEC technical committee 13: Electrical energy measurement, tariff- and load control.

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

FDIS	Report on voting
13/1430/FDIS	13/1438/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

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.

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

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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- withdrawn,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.

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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.

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