

Electricity metering equipment — Dependability —

Part 21: Collection of meter dependability data from the field

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National foreword

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Cross-references

The British Standards which implement international publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

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Collecte des données de sûreté de fonctionnement
des compteurs à partir du terrain**

**Electricity metering equipment –
Dependability –**

**Part 21:
Collection of meter dependability
data from the field**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ELECTRICITY METERING EQUIPMENT – DEPENDABILITY –

Part 21: Collection of meter dependability data from the field

FOREWORD

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IEC 62059-21, which is a technical report, has been prepared by IEC technical committee 13: Equipment for electrical energy measurement and load control.

The text of this technical report is based on the following documents:

Enquiry draft	Report on voting
13/1198/DTR	13/1210/RVC

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 3.

This document, which is purely informative, is not to be regarded as an International Standard.

INTRODUCTION

This technical report is based on IEC 62059-11: *Electricity metering equipment – Dependability – Part 11 – General concepts*.

This report focuses on the following issues:

- definition of equipment complexity;
- classification of failures;
- data collection from returned faulty equipment;
- data collection through sampling plans.

These elements constitute a methodological approach to collection and classification of failure data for the evaluation of the reliability of static electricity metering equipment.

Failures can be classified in many ways, as demonstrated in IEC 60812:1985.

For the purpose of reliability evaluation of static electricity metering equipment in the field, some of the classification methods proposed by the available standards have been selected.