

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Electrical and electronic household and office equipment – Measurement of networked standby power consumption of edge equipment

Appareils électriques et électroniques pour application domestique et équipement de bureau – Mesurage de la consommation d'énergie en veille avec maintien de la connexion au réseau des équipements de périphérie



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ELECTRICAL AND ELECTRONIC HOUSEHOLD AND OFFICE EQUIPMENT – MEASUREMENT OF NETWORKED STANDBY POWER CONSUMPTION OF EDGE EQUIPMENT

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The text of this document is based on EN 50643:2018. It was submitted to the National Committees for voting under the Fast Track Procedure.

The text of this International Standard is based on the following documents:

Draft	Report on voting
100/3836/CDV	100/3898/RVC

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

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INTRODUCTION

The methods defined in this document are intended to define requirements for the measurement of the power consumed by the equipment having one or more wired or wireless network port(s) able to resume a function by way of a remotely initiated trigger or reactivation trigger from a network connection.

For the measurement of low power consumption, reference is made to EN 50564:2011. This document also provides a method to test power management and whether it is possible to deactivate wireless network connection(s).

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ELECTRICAL AND ELECTRONIC HOUSEHOLD AND OFFICE EQUIPMENT – MEASUREMENT OF NETWORKED STANDBY POWER CONSUMPTION OF EDGE EQUIPMENT

1 Scope

This document specifies methods of measurement of electrical power consumption in networked standby and the reporting of the results for edge equipment.

Power consumption in standby (other than networked standby) is covered by EN 50564, including the input voltage range.

This document also provides a method to test power management and to test whether it is possible to deactivate wireless network connection(s).

NOTE 1 This document applies to electrical products with a rated input voltage of 230 V a.c. for single phase products and 400 V a.c. for three-phase products.

NOTE 2 The measurement of energy consumption and performance of products during intended use are generally specified in product standards and are not covered by this document.

NOTE 3 The term "products" in this document includes household appliances, or information technology products, consumer electronics, audio, video and multimedia systems; however, the measurement methodology can be applied to other products.

This document does not apply to the measurement of electrical power consumption in networked standby for interconnecting equipment.

NOTE 4 Measurement of electrical power consumption in networked standby for interconnecting equipment is the subject of ETSI standard EN 303 423.

2 Normative references

The following documents are referred to in the text in such way that some or all of their content constitutes requirements 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.

EN 50564:2011, *Electrical and electronic household and office equipment – Measurement of low power consumption*

3 Terms, definitions and abbreviations

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 50564:2011 as well as in the following apply.

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