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STN	**Elektrické a elektronické zariadenia pre domácnosť a kanceláriu Meranie spotreby energie sieťového pohotovostného prístupového zariadenia**	**STN EN 50643** 36 1055

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

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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EUROPEAN STANDARD

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English Version

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 - Mesure de la consommation d'énergie en veille avec maintien de la connexion au réseau des équipements de périphérie

Elektrische und elektronische Haushalts- und Bürogeräte - Messung der Leistungsaufnahme im vernetzten Bereitschaftsbetrieb von Geräten am Netzwerkrand

This European Standard was approved by CENELEC on 2017-12-11. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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

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European foreword

This document (EN 50643:2018) was prepared by Technical Committee CENELEC TC 100X, “Audio, video and multimedia systems and equipment and related sub-systems” in collaboration with CENELEC TC 59X, “Performance of household and similar electrical appliances".

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2018-12-11
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2021-12-11

This document has been prepared under a mandate (M/544) given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For the relationship with EU Directive(s) see informative Annex ZZ, which is an integral part of this document.

Words in bold in the text are defined in Clause 3 Terms and definitions.

Introduction

The methods defined in this European Standard 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, reference is made to EN 50564:2011. This standard also provides a method to test **power management** and whether it is possible to deactivate wireless **network** connection(s).

1 Scope

1.1 Equipment in the scope of this standard

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

NOTE 1 This standard has been written in particular to support Commission Regulation (EU) No 801/2013 for the measurement of energy consumption in **networked standby**. This standard 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 standard.

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

Where this standard is referenced by more specific standards or procedures, these should define and name the relevant conditions to which this test procedure is applied.

1.2 Equipment not in the scope of this standard

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

NOTE Measurement of electrical power consumption in **networked standby** for interconnecting equipment is the subject of ETSI standard EN 303 423 “Environmental Engineering (EE) - Electrical and electronic household and office equipment; Measurement of networked standby power consumption for interconnecting equipment”.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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*