ICS 35.020 SLOVENSKÁ TECHNICKÁ NORMA Október 2023

STN	**Elektrické a elektronické zariadenia pre domácnosti a kancelárie Meranie spotreby elektrickej energie u okrajových zariadení v pohotovostnom režime pri pripojení na sieť**	**STN EN IEC 63474** 36 1069

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.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 09/23

Obsahuje: EN IEC 63474:2023, IEC 63474:2023

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 63474

July 2023

ICS 35.020

English Version

Electrical and electronic household and office equipment - Measurement of networked standby power consumption of edge equipment (IEC 63474:2023)

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 (IEC 63474:2023)

Elektrische und elektronische Haushalts- und Bürogeräte - Messung der Leistungsaufnahme im vernetzten Bereitschaftsbetrieb von Geräten am Netzwerkrand (IEC 63474:2023)

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Ref. No. EN IEC 63474:2023 E

European foreword

The text of document 100/3836/CDV, future edition 1 of IEC 63474, prepared by IEC/TC 100 "Audio, video and multimedia systems and equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63474:2023.

The following dates are fixed:

• latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2024-03-27
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2026-06-27

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The text of the International Standard IEC 63474:2023 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 62301 NOTE Approved as EN 50564

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a 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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cencenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 62301	2011	Electrical and electronic household and office equipment - Measurement of low power consumption	EN 50564	2011

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

FOREWORD

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IEC 63474 has been prepared by technical area 19: Environmental and energy aspects for multimedia systems and equipment, of IEC technical committee 100: Audio, video and multimedia systems and equipment. It is an International Standard.

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.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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).

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*