

SLOVENSKI STANDARD

SIST EN 50419:2022

01-oktober-2022

Nadomešča:
SIST EN 50419:2006

Označevanje električne in elektronske opreme glede na ločeno zbiranje odpadkov EEE (WEEE)

Marking of electrical and electronic equipment (EEE) in respect to separate collection of
waste EEE (WEEE)

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[SIST EN 50419:2022](https://standards.iteh.ai/catalog/standards/sist/8a16fc89-66ca-4969-9c96-39befb5edd7d/sist-en-50419-2022)

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Ta slovenski standard je istoveten z: **EN 50419:2022**

ICS:

01.080.20	Grafični simboli za posebno opremo	Graphical symbols for use on specific equipment
13.030.30	Posebni odpadki	Special wastes
29.020	Elektrotehnika na splošno	Electrical engineering in general
31.020	Elektronske komponente na splošno	Electronic components in general

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en

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 50419

July 2022

ICS 01.080.40; 29.020; 31.020

Supersedes EN 50419:2006

English Version

**Marking of electrical and electronic equipment (EEE) in respect
to separate collection of waste EEE (WEEE)**

Marquage des équipements électriques et électroniques
pour la collecte séparée des déchets EEE (DEEE)

Kennzeichnung von Elektro- und Elektronikgeräten für eine
getrennte Sammlung von Elektro- und Elektronik-Altgeräten

This European Standard was approved by CENELEC on 2022-06-06. 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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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

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European foreword

This document (EN 50419:2022) has been prepared by CLC/TC 111X “*Environment*”.

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) 2023-06-06
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2025-06-06

This document supersedes EN 50419:2006 and all of its amendments and corrigenda (if any).

EN 50419:2022 includes the following significant technical changes with respect to EN 50419:2006:

- The previous edition specified the marking requirements as described in 2002/96/EC (WEEE) and directly refers to this Directive 2002/96/EC (WEEE) which was meanwhile replaced by 2012/19/EU (WEEE, recast). This document presents the marking requirements independent from a regulation version.
- The revision clarifies the different possibilities of use the crossed-out wheeled bin combined with the black bar and / or manufacturing date.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a Standardization Request given to CENELEC by the European Commission and the European Free Trade Association.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN and CENELEC websites.

Introduction

This document aims to assist the marking of electrical and electronic equipment (EEE) with a view to minimizing the disposal of waste EEE (WEEE) as unsorted waste and to facilitating its separate collection. For this purpose it specifies the different possibilities to use the crossed-out wheeled bin symbol combined with the black bar and / or manufacturing date supporting the identification when the equipment was put on the market.

This document supports the respective essential requirements of Directive 2012/19/EU (WEEE, recast). This document does not constitute a request for design change for existing products specified to meet the previous edition of the standard or the former Directive 2002/96/EC (WEEE).

This document supports the objectives of the Community's environment policy. These aim to preserve, protect and improve the quality of the environment, protect human health and utilize natural resources prudently and rationally.

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1 Scope

This document specifies a marking

- of electrical and electronic equipment (EEE) with a view to minimizing the disposal of waste EEE (WEEE) as unsorted waste and to facilitating its separate collection.

NOTE 1 This is in accordance with Article 14(4) of Directive 2012/19/EU (WEEE, recast)

- that serves to clearly identify the producer of the equipment and
- that the equipment has been put on the market after 13 August 2005.

NOTE 2 This is in accordance with Articles 12(3) and 15(2) of Directive 2012/19/EU (WEEE, recast)

- that applies to categories of electrical and electronic equipment subject to WEEE collection, treatment, recovery and environmentally sound disposal as defined by European and national regulations, provided the equipment concerned is not part of another type of equipment that does not fall within the scope of above mentioned regulations.

NOTE 3 This is in accordance with Article 2 and Annexes I – IV of Directive 2012/19/EU (WEEE, recast) [1]

The definition of a technical carrier medium for machine based identifying the producer, such as a barcode, electronic data medium or microchip, is not covered by this document.

2 Normative references

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.

ISO 8601 (all parts), *Date and time — Representations for information interchange* 9-9c96-39befb5edd7d/sist-en-50419-2022

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

3.1

electrical and electronic equipment

EEE

equipment which is dependent on electric currents or electro-magnetic fields in order to work properly and equipment for the generation, transfer and measurement of such currents and fields and designed for use with a voltage rating not exceeding 1000 V for alternating current and 1500 V for direct current

[SOURCE: Directive 2012/19/EU, Art. 3.1 (a)]

3.2

producer

any natural or legal person who, irrespective of the selling technique used, including distance communication

Note 1 to entry: This definition is within the meaning of Directive 97/7/EC of the European Parliament and of the Council of 20 May 1997 on the protection of consumers in respect of distance contracts:

- a) is established in a Member State and manufactures EEE under his own name or trademark, or has EEE designed or manufactured and markets it under his name or trademark within the territory of that Member State;
- b) is established in a Member State and resells within the territory of that Member State, under his own name or trademark, equipment produced by other suppliers, a reseller not being regarded as the 'producer' if the brand of the producer appears on the equipment, as provided for in point (a);
- c) is established in a Member State and places on the market of that Member State, on a professional basis, EEE from a third country or from another Member State; or
- d) sells EEE by means of distance communication directly to private households or to users other than private households in a Member State, and is established in another Member State or in a third country.

[SOURCE: Directive 2012/19/EU, Art. 3.1 (f)]

4 Marking

4.1 Requirements of marking of EEE

4.1.1 Unique identification of the producer

In order to identify the producer a unique identification of the producer in the form of a brand name, trademark, company registration number or other suitable means to identify the producer shall be provided on the EEE. Whichever option is chosen this shall be recorded in the member state's register of producers.

NOTE This is in accordance with Articles 3.1 (f) and 16(1) of Directive 2012/19/EU (WEEE, recast).

4.1.2 Identification of date of put on the market for financial differentiation needs of WEEE

EEE put on the market after 13 August 2005 shall be identified by at least one of the following options:

- a) the date of manufacture or date put on the market, in un-coded text in accordance with ISO 8601 (all parts) or other coded text, for which the code shall be made available for treatment facilities.

When using the representation of date according to ISO 8601 (all parts), it is permitted to omit higher order components (truncation), if there is no risk of confusing these truncated representations with others;

- b) marking as shown in Figure 1 being an additional mark used in conjunction with the crossed-out wheeled bin.

NOTE 1 This is in accordance with Articles 12(3) and 15(2) of Directive 2012/19/EU (WEEE, recast).

NOTE 2 The symbol of the crossed-out wheeled bin is provided in Annex IX of Directive 2012/19/EU and is required under Articles 14(4) and 15(2) of this Directive.

4.1.3 Marking that the EEE is subject to separate WEEE collection

The user of the EEE shall be informed by an appropriate mark as described in 4.2 to facilitate that this EEE is subject to separate waste collection with a view to minimizing the disposal of waste EEE (WEEE) as unsorted municipal waste.

NOTE This is in accordance with Article 14(4) and Annex IX of Directive 2012/19/EU (WEEE, recast);

4.2 Design of the marking

4.2.1 Integrated marking

The marking of a crossed-out wheeled bin in combination with an additional bar under it shown in Figure 1 allows meeting the marking requirements described in 4.1.2 (b) and 4.1.3 by one integrated marking.

NOTE 1 This is in accordance with Articles 14(4), 15(2) and Annex IX of Directive 2012/19/EU (WEEE, recast);

The additional marking referred to in 4.1.2 (b) shall consist of a solid bar, the height of which equals h and the width of which equals $1,2 a$. The height (h) of the bar shall be the greater of $0,3 a$ or 1 mm . The bar shall only be used in conjunction with the crossed-out wheeled bin. The bar shall not contain any text or any kind of additional information.

The symbol combination shown in Figure 1 shall have a minimum height of 7 mm ($a = 3,33 \text{ mm}$).

NOTE 2 The dimension of 7 mm provides a vertical dimension of 5 mm for the crossed-out wheeled bin symbol, which is the same minimum dimension as provided for in EN 61429:1996/A11:1998 and for the CE mark according to the Directive 93/68/EEC. This also equates to a maximum reading distance of 50 cm of the crossed-out wheeled bin symbol for the minimum symbol height of 5 mm as derived from EN 80416-3:2002, Clause 5.

The dimensional relationship shown in Figure 1 shall be maintained.

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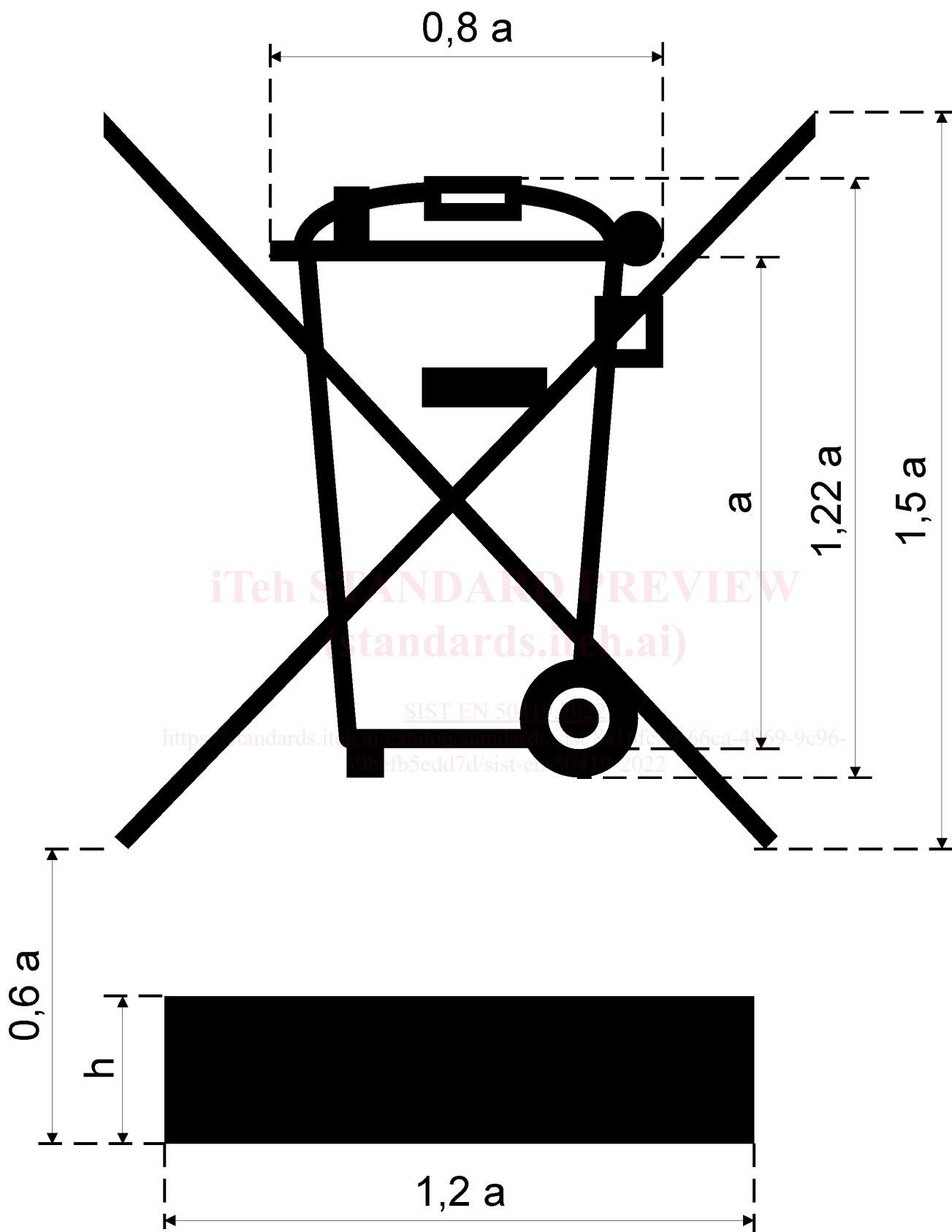


Figure 1 — Marking of electrical and electronic equipment as required by 4.1.2 (b)

NOTE 1 The symbol of the crossed out wheeled bin and the dimensional relationship are the same as is required for batteries and defined in Figure 2 of EN 61429:1996/A11:1998.