

This document is a preview generated by EVS

Methods for providing information relating to material efficiency aspects of energy-related products

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN 45559:2019 sisaldab Euroopa standardi EN 45559:2019 ingliskeelset teksti.	This Estonian standard EVS-EN 45559:2019 consists of the English text of the European standard EN 45559:2019.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 01.03.2019.	Date of Availability of the European standard is 01.03.2019.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile [standardiosakond@evs.ee](mailto:standardiosakond@evs.ee).

ICS 13.020.30, 29.020, 31.020

Standardite reprodutseerimise ja levitamise õigus kuulub Eesti Standardikeskusele

Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonsesse süsteemi või edastamine ükskõik millises vormis või millisel teel ilma Eesti Standardikeskuse kirjaliku loata on keelatud.

Kui Teil on küsimusi standardite autorikaitse kohta, võtke palun ühendust Eesti Standardikeskusega:  
Koduleht [www.evs.ee](http://www.evs.ee); telefon 605 5050; e-post [info@evs.ee](mailto:info@evs.ee)

The right to reproduce and distribute standards belongs to the Estonian Centre for Standardisation

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, without a written permission from the Estonian Centre for Standardisation.

If you have any questions about copyright, please contact Estonian Centre for Standardisation:

Homepage [www.evs.ee](http://www.evs.ee); phone +372 605 5050; e-mail [info@evs.ee](mailto:info@evs.ee)

---

ICS 13.020.30; 29.020; 31.020

English Version

## Methods for providing information relating to material efficiency aspects of energy-related products

Méthode de communication des informations sur l'utilisation  
rationnelle des matériaux dans les produits liés à l'énergie

Verfahren zur Bereitstellung von Informationen über  
Materialeffizienz Aspekte energieverbrauchsrelevanter  
Produkte

This European Standard was approved by CENELEC on 6 February 2019. CEN and 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 CEN and 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 CEN and CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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



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**

**Contents**

Page

European foreword .....	3
Introduction .....	4
1 Scope .....	5
2 Normative references .....	5
3 Terms and definitions .....	5
4 Method for providing information on ME .....	5
4.1 General.....	5
4.2 ME topics and content .....	6
4.2.1 ME topics .....	6
4.2.2 Topic-related content .....	7
4.2.3 Documenting topic-related content .....	8
5 Communication strategy.....	8
5.1 Target audience .....	8
5.2 Data sensitivity.....	8
5.2.1 General.....	8
5.2.2 Level 1 – PUBLIC .....	9
5.2.3 Level 2 – RESTRICTED.....	9
5.2.4 Level 3 – CONFIDENTIAL.....	9
5.3 Communication method.....	9
5.3.1 General.....	9
5.3.2 Means of communication.....	9
5.3.3 Media.....	10
5.3.4 Considerations on the communication methods per target audience.....	10
5.3.5 Considerations and limitations of the communication methods .....	11
6 Provision of ME information.....	12
6.1 Building a ME communication matrix.....	12
6.2 Reporting ME.....	13
6.3 Considerations on the communication of aggregated ME topics.....	13
Annex A (informative) Example of a ME communication matrix for a product.....	14
Annex B (informative) The use of asset tracking technologies as means of communication .....	16
Annex C (informative) Example format for reporting ME information .....	19
Bibliography .....	24

## European foreword

This document [EN 45559:2019] has been prepared by CEN/CLC/JTC 10 “Energy-related Products - Material Efficiency Aspects for Ecodesign”.

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) 2020-02-06
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2022-02-06

This document has been prepared under a standardization request given to CEN and CENELEC by the European Commission and the European Free Trade Association.

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.

The dual logo CEN-CENELEC standardization deliverables, in the numerical range of 45550 – 45559, have been developed under standardization request M/543 of the European Commission and are intended to potentially apply to any product within the scope of the Directive 2009/125/EC concerning energy-related products (ErP).

Topics covered in the above standardization request are linked to the following material efficiency aspects:

- a) Extending product lifetime;
- b) Ability to reuse components or recycle materials from products at end-of-life;
- c) Use of reused components and/or recycled materials in products.

These standards are general in nature and describe or define fundamental principles, concepts, terminology or technical characteristics. They can be cited together with other product publications, e.g. developed by product technical committees.

This document is intended to be used by technical committees when producing horizontal, generic, and product-specific, or product-group, publications.

## Introduction

This document describes a general method for the communication of material efficiency (ME) aspects of energy-related products (ErP). It is intended to be used when developing a communication strategy in horizontal, generic, product-specific, or product-group publications.

This document relates to the standards in the numerical range of “EN 45552 – 45558” developed under the standardization request M/543 [1]. While the other standards will provide methods to assess or measure specific ME topics, this document focuses on the communication of the various topic-related content.

Legislation can require that ME information is provided to specific intended audience and is verifiable, accurate, relevant and not misleading. Therefore, this document describes how intended audiences (end-users, professionals or market surveillance authorities) are taken into account, as well as the means of communication and media for providing the ME information.

## 1 Scope

This document establishes a common method for the provision of information related to the material efficiency (ME) aspects of ErP. It has two key intentions:

- it requires generic or horizontal ME topic publications to include a clause with an overview of the specific topic-related content to be reported; and
- it includes a generic method on how to create a communication strategy which will be used when preparing product-specific, or product-group, publications.

NOTE Through-out this document, the term “product” refers to “a specific product or a group of products”.

## 2 Normative references

There are no normative references in this document.

## 3 Terms, definitions and definitions

### 3.1 Terms and definitions

There are no terms and definitions listed in this document.

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

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

NOTE See GEN-CLC TR 45550 [2] for definitions related to ME of ErP.

### 3.2 Abbreviations

CRM	Critical Raw Material
EEE	Electrical and Electronic Equipment
ErP	Energy-related Product
ME	Material Efficiency
NFC	Near Field Communication
QR code	Quick Response code
RFID	Radio-Frequency Identification Device
WEEE	Waste Electrical and Electronic Equipment

## 4 Method for providing information on ME

### 4.1 General

When planning the delivery of information on ME topics, added clarity and consistency can be gained by breaking down that information, namely:

- The specific ME topic and the related content;
- The target audiences that are likely to receive the information and the corresponding data sensitivity levels;
- The means of communication and media best suited to deliver the information.