

# SLOVENSKI STANDARD oSIST prEN 14803:2019

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Identifikacija in/ali ugotavljanje količine odpadkov

Identification and/or determination of the quantity of waste

Identifikation und/oder Mengenbestimmung von Abfall

Identification et/ou détermination de la quantité de déchets

Ta slovenski standard je istoveten z: prEN 14803

**Ocument Preview** 

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# EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

# DRAFT prEN 14803

ICS 13.030.40

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Will supersede EN 14803:2006

**English Version** 

# Identification and/or determination of the quantity of waste

Identification et/ou détermination de la quantité de déchets

Identifikation und/oder Mengenbestimmung von Abfall

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 183.

If this draft becomes a European Standard, CEN 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.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation. TEN 14803-2020

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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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# oSIST prEN 14803:2019

# prEN 14803:2018 (E)

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# **European foreword**

This document (prEN 14803:2018) has been prepared by Technical Committee CEN/TC 183 "Waste management", the secretariat of which is held by DIN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 14803:2006.

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# Introduction

CEN and CENELEC draw attention to the fact that it is claimed that compliance with this document may involve the use of a patent concerning systems for identification and/or determination of the quantity of waste described within this document.

CEN and CENELEC take no position concerning the evidence, validity and scope of this patent right.

The holder of this patent right has ensured CEN and CENELEC that he/she is willing to negotiate licences under reasonable and non-discriminatory terms and conditions with applicants throughout the world. In this respect, the statement of the holder of this patent right is registered with CEN and CENELEC. Information may be obtained from:

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#### SIST EN 14803:2020

#### 1 Scope

This document specifies general requirements and verifications for methods of identification of waste containers and/or determination of the quantity of waste including:

- safety requirements;
- interface requirements and performances;
- data to be treated and their integrity.

This document is applicable to systems for handling containers conforming to the EN 840 series.

Although this European standard does not cover systems for handling containers not conforming to the EN 840 series, it is recommended to apply the requirements of this document to these systems as far as possible.

This European standard is applicable to systems both for billing and not for billing.

#### 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.

EN 840-1, Mobile waste and recycling containers - Part 1: Containers with 2 wheels with a capacity up to 400 l for comb lifting devices - Dimensions and design

EN 840-2, Mobile waste and recycling containers - Part 2: Containers with 4 wheels with a capacity up to 1 300 l with flat lid(s), for trunnion and/or comb lifting devices - Dimensions and design

EN 840-3, Mobile waste and recycling containers - Part 3: Containers with 4 wheels with a capacity up to 1 300 l with dome lid(s), for trunnion and/or comb lifting devices - Dimensions and design

EN 840-4, Mobile waste and recycling containers - Part 4: Containers with 4 wheels with a capacity up to 1 700 l with flat lid(s), for wide trunnion or BG- and/or wide comb lifting devices - Dimensions and design

EN 840-5, Mobile waste and recycling containers - Part 5: Performance requirements and test methods

EN 840-6, Mobile waste and recycling containers - Part 6: Safety and health requirements

EN 1501 (all parts), Refuse collection vehicles — General requirements and safety requirements

EN 45501:2015, Metrological aspects of non-automatic weighing instruments

EN 60204-1, Safety of machinery - Electrical equipment of machines - Part 1: General requirements

EN ISO 7250, Basic human body measurements for technological design (ISO 7250:1996)

OIML R 51, Automatic catchweighing instruments

ISO/IEC AWI 15408-1, Information technology — Security techniques — Evaluation criteria for IT security — Part 1: Introduction and general model

ISO/IEC AWI 15408-2, Information technology — Security techniques — Evaluation criteria for IT security — Part 2: Security functional components

ISO/IEC AWI 15408-3, Information technology — Security techniques — Evaluation criteria for IT security — Part 3: Security assurance components

# 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:

— IEC Electropedia: available at <u>http://www.electropedia.org/</u>

— ISO Online browsing platform: available at <u>http://www.iso.org/obp</u>

# 3.1

# Identification

#### ID

process which consists in accurately recognising and verifying a waste container by reading a data carrier

#### 3.2

# determination of the quantity of waste DQW

determination of the weighing of the waste mass and/or counting of emptying operations

#### 3.3

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#### data carrier

device carrying data which can be recognised by an electro-magnetic, optical or other reading device

## 3.4

# Interface

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IF

#### boundary linking two systems

tps://standards.iteh.ai/catalog/standards/sist/fed51d40-33e0-4c7e-a902-7e0a6cf81692/sist-en-14803-202 Note 1 to entry: The interface could be a mechanical interface, a data interface, an electrical interface etc.

Note 2 to entry: IF2 now corresponds to EN 16815 "CleANopen – Application profile for municipal vehicles".

For the purposes of this document interfaces (IF) are numbered as follows:

Data	—IF3—	On Board	—IF2—	Sensing	—IF1—	Container
Processing		Computer		devices		
Centre		(OBC)				
(DPC)						

#### 3.5

#### manipulation

deliberate and unauthorized modification, addition, omission or suppression of signals or data or procedures or components

#### 3.6

#### malfunction

non-deliberate modification, addition, omission or suppression of signals or data

# 3.7

data processing

# 3.7.1

storage

recording of data relating to the collection of waste

# 3.7.2

## transfer

process or method of transmitting data relating to the collection of waste

# 3.7.3

## read

process of retrieving data from some machine-readable medium and, as appropriate, the contention and error control management, and channel and source decoding required to recover and communicate the data entered at source

# 3.7.4

# **Read Only**

## RO

distinguishing a transponder in which the data is stored in an unchangeable manner and can therefore only be read

# 3.7.5

#### Read/Write R/W

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applied to a radio frequency identification system, it is the ability both read data from a transponder and to change data (write process) using a suitable programming device

## 3.7.6

#### Write Once/Read Many WORM

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distinguishing a transponder that can be partly or totally programmed once by the user, and thereafter -2020 only read

## 3.7.7

## sensing device

system with one or more sensors which detects and/or processes and transfers signals and/or data (e.g. scanner + decoder, load cell + processing unit)

## 3.7.8

## encryption

means of securing data, often applied to a plain or clear text, by converting it to a form that is unintelligible in the absence of an appropriate decryption key

## 3.8

## identification systems

#### 3.8.1

# transponder

data carrier (also called "electromagnetic label") associated with the object to be identified; the transponder is intended to receive a radio frequency signal and to return a different radio frequency signal containing relevant information