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Waste management - Access control to collection containers - Identification and authorization

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN 17366:2020 sisaldab Euroopa standardi EN 17366:2020 ingliskeelset teksti.	This Estonian standard EVS-EN 17366:2020 consists of the English text of the European standard EN 17366:2020.
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 03.06.2020.	Date of Availability of the European standard is 03.06.2020.
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ICS 13.030.40

English Version

## Waste management - Access control to collection containers - Identification and authorization

Gestion des déchets - Contrôle des accès aux  
conteneurs à déchets - Identification et autorisation

Abfallwirtschaft - Zugriffssteuerung von  
Abfallbehältern - Identifikation und Autorisierung

This European Standard was approved by CEN on 27 April 2020.

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. 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 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 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 STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

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## European foreword

This document (EN 17366:2020) has been prepared by Technical Committee CEN/TC 183 “Waste management”, the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2020, and conflicting national standards shall be withdrawn at the latest by December 2020.

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

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## Introduction

This document takes ISO/IEC 14443-1, ISO/IEC 14443-2 and ISO/IEC 14443-3 as a basis. In the case that this document and ISO/IEC 14443-1, ISO/IEC 14443-2 and ISO/IEC 14443-3 are in conflict, this document prevails.

As this document takes ISO/IEC 14443-1, ISO/IEC 14443-2 and ISO/IEC 14443-3 as a basis, it is necessary to conform to these three parts of ISO 14443 to be able to conform to the standard defined in this document.

This document presents the standard for the identification of access chips.

The ISO 14443 series defines two types of access chips: type A and type B. This document restricts this choice and defines that the type of access chip to be used is type A.

## 1 Scope

This document is used in the framework of the waste processing industry and defines the processing of relevant information for the deposit of garbage between access chips and the collection container systems.

This document is not intended to be used for container identification.

NOTE The container identification is covered by EN 14803.

This document provides the technical specification and the restrictions that are defined on top of ISO/IEC 14443-1, ISO/IEC 14443-2 and ISO/IEC 14443-3.

## 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/IEC 14443-1, *Cards and security devices for personal identification — Contactless proximity objects — Part 1: Physical characteristics*

ISO/IEC 14443-2, *Identification cards — Contactless integrated circuit cards — Proximity cards — Part 2: Radio frequency power and signal interface*

ISO/IEC 14443-3:2018, *Cards and security devices for personal identification — Contactless proximity objects — Part 3: Initialization and anticollision*

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

### 3.1

#### **access chip**

device like a card or a keyfob capable of carrying a transponder

### 3.2

#### **reader**

sensing device which, with an antenna, transmits a radio signal according to a given frequency towards one or more transponders and receives a signal back

Note 1 to entry: The reader is used to establish dialogue without contact with the transponder and to exchange data.

### 3.3

#### **chip**

device carrying data, which can be recognized by a reading device