

<b>STN</b>	<b>Nakladanie s odpadom Identifikácia a/alebo určenie množstva odpadu</b>	<b>STN EN 14803+A1</b>  26 9332
------------	---	---

Waste management - Identification and/or determination of the quantity of waste

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. 01/25

Obsahuje: EN 14803:2020+A1:2024

Oznámením tejto normy sa ruší  
STN EN 14803 (26 9332) z decembra 2020

**139813**

---

Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2025  
Slovenská technická norma a technická normalizačná informácia je chránená zákonom č. 60/2018 Z. z. o technickej normalizácii  
v znení neskorších predpisov.

EUROPEAN STANDARD

**EN 14803:2020+A1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2024

ICS 13.030.40

Supersedes EN 14803:2020

English Version

## Waste management - Identification and/or determination of the quantity of waste

Gestion des déchets - Identification et/ou  
détermination de la quantité de déchetsAbfallwirtschaft - Identifikation und/oder  
Mengenbestimmung von Abfall

This European Standard was approved by CEN on 27 April 2020 and includes Amendment 1 approved by CEN on 23 September 2024.

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.

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

EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

**EN 14803:2020+A1:2024 (E)**

<b>Contents</b>	<b>Page</b>
<b>European foreword</b> .....	<b>4</b>
<b>1 Scope</b> .....	<b>5</b>
<b>2 Normative references</b> .....	<b>5</b>
<b>3 Terms and definitions</b> .....	<b>6</b>
<b>4 Requirements</b> .....	<b>9</b>
<b>4.1 General requirements on safety and health</b> .....	<b>9</b>
<b>4.2 Data carriers</b> .....	<b>9</b>
<b>4.2.1 Positioning on the container</b> .....	<b>9</b>
<b>4.2.2 Performance</b> .....	<b>10</b>
<b>4.3 Sensing devices</b> .....	<b>10</b>
<b>4.3.1 General requirements for all sensing devices for ID and DQW</b> .....	<b>10</b>
<b>4.3.2 Additional requirements for identification systems</b> .....	<b>11</b>
<b>4.3.3 Additional requirements for DQW systems</b> .....	<b>12</b>
<b>4.4 On Board Computer (OBC)</b> .....	<b>12</b>
<b>4.5 Data structure and transfer</b> .....	<b>13</b>
<b>4.5.1 Data in the data carriers</b> .....	<b>13</b>
<b>4.5.2 Data transfer from container to sensing devices for ID on the vehicle (interface IF 1) ....</b>	<b>13</b>
<b>4.5.3 Data transfer from the OBC of the refuse collection vehicle to the DPC (interface IF 3)....</b>	<b>13</b>
<b>4.6 Integrity of data</b> .....	<b>14</b>
<b>Annex A (normative) Positions of transponders on waste containers to be handled by the comb lifting device with identification</b> .....	<b>15</b>
<b>A.1 General</b> .....	<b>15</b>
<b>A.2 Comb lifting device with identification</b> .....	<b>15</b>
<b>A.3 Transponder positions on waste containers with frontal receiver</b> .....	<b>15</b>
<b>Annex B (informative) Recommended positions of transponders on waste containers to be handled by lifting devices other than the comb lifting device defined in A.2</b> .....	<b>16</b>
<b>B.1 Comb lifting devices other than the comb lifting device defined in A.2</b> .....	<b>16</b>
<b>B.1.1 Transponder positions (I)</b> .....	<b>16</b>
<b>B.1.2 Transponder positions (II, III, IV)</b> .....	<b>16</b>
<b>B.2 Lifting devices other than comb lifting devices</b> .....	<b>17</b>
<b>B.2.1 Transponder positions for trunnion or other lifting device (I)</b> .....	<b>17</b>
<b>B.2.2 Transponder positions for trunnion lifting device (II)</b> .....	<b>17</b>
<b>B.2.3 Transponder positions for BG lifting device (in accordance with EN 840-4)</b> .....	<b>18</b>
<b>Annex C (normative) Integration of systems for ID and DQW on lifting devices – requirements</b> .....	<b>19</b>
<b>Annex D (normative) Application and registration procedures for manufacturers/suppliers</b> ....	<b>20</b>
<b>D.1 Application procedure for assignment of a manufacturer/supplier code</b> .....	<b>20</b>
<b>D.2 Criteria for approval of an application for a manufacturer/supplier code</b> .....	<b>20</b>
<b>D.3 Responsibilities of the manufacturer/supplier</b> .....	<b>20</b>

<b>D.4</b>	<b>Responsibilities RA for manufacturer/supplier register.....</b>	<b>21</b>
<b>D.5</b>	<b>Register of manufacturers/suppliers.....</b>	<b>21</b>
<b>D.5.1</b>	<b>Publication and availability.....</b>	<b>21</b>
<b>D.5.2</b>	<b>Contents .....</b>	<b>21</b>
<b>D.6</b>	<b>Costs aspects.....</b>	<b>22</b>
<b>D.7</b>	<b>Disclaimer .....</b>	<b>22</b>
	<b>Bibliography .....</b>	<b>23</b>

## EN 14803:2020+A1:2024 (E)

### European foreword

This document (EN 14803:2020+A1:2024) 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 April 2025, and conflicting national standards shall be withdrawn at the latest by April 2025.

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.

This document includes Amendment 1 approved by CEN on 23 September 2024.

This document supersedes A1 EN 14803:2020 A1.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1.

The main changes compared with the previous edition [EN 14803:2006] are listed below:

- a) The Introduction has been deleted.
- b) Clause 2 "Normative References" and Clause 3 "Terms and definitions" have been revised.
- c) 4.2.1.2.4 "Optical data carrier position (dot code/ bar code) for automatic reading", 4.2.1.2.5 "Optical data carrier (dot code/bar code) position for manual reading", Table 2 "Test requirements and acceptance criteria for bar code/dot code stickers", 4.5 "Data processing centre (DPC)" and 4.6.1.2 "Bar code/dot code" have been deleted.
- d) Table 4 "Code structure of the unique identification in the transponder" has been updated.
- e) 4.7 "Integrity of data" has been revised.
- f) A.2 "Comb lifting device with identification" has been revised.
- g) Former Annex B "Positions of optical data carriers (dot code/bar code labels) on waste containers" has been deleted.

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

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

## 1 Scope

This document specifies general requirements and verifications for methods of identification of waste containers and/or determination of the quantity of waste and other reusable materials 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 document does not cover systems for handling containers not conforming to the EN 840 series, users are encouraged to apply the requirements of this document to these systems as far as possible.

This document 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, *Metrological aspects of non-automatic weighing instruments*

EN 60068-2-6, *Environmental testing — Part 2-6: Tests — Test Fc: Vibration (sinusoidal) (IEC 60068-2-6)*

EN 60068-2-27, *Environmental testing — Part 2-27: Tests — Test Ea and guidance: Shock (IEC 60068-2-27)*

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

EN ISO 7250-1, *Basic human body measurements for technological design — Part 1: Body measurement definitions and landmarks (ISO 7250-1:2017)*

ISO 11784, *Radio frequency identification of animals — Code structure*

OIML R 51, *Automatic catchweighing instruments*