



NSAI
Standards

Irish Standard
I.S. EN 14564:2013

Tanks for transport of dangerous goods - Terminology

I.S. EN 14564:2013

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NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie

W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

English Version

Tanks for transport of dangerous goods - Terminology

Citernes pour le transport des matières dangereuses -
Terminologie

Tanks für die Beförderung gefährlicher Güter - Begriffe

This European Standard was approved by CEN on 24 November 2012.

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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Management Centre: Avenue Marnix 17, B-1000 Brussels

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Foreword

This document (EN 14564:2013) has been prepared by Technical Committee CEN/TC 296 "Tanks for transport of dangerous goods", the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by August 2013, and conflicting national standards shall be withdrawn at the latest by August 2013.

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

This document supersedes EN 14564:2004.

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

EN 14564:2012 includes the following major changes with respect to EN 14564:2004:

- a) The following new definitions have been added: 3.2 Adaptor, 3.4 Breathing, 3.5 Capacity, 3.6 Cold forming, 3.10 Elliptical, 3.12 Fastenings, 3.13 Flame arrester, 3.19 Pressure balanced, 3.20 Product sensor, 3.23 Run off pipe, 3.24 Self actuating adaptor, 3.25 Self closing (valve), 3.28 Venting, 4.2 Demountable, A.6 Conformity assessment, A.7 Control temperature, A.8 Critical temperature, A.12 Emergency temperature, A.14 Filling ratio, A.16 Flash point, A.18 Hermetically closed tank, A.19 Inspection body, A.33 Solid and A.41 UN – number.
- b) The definition of 3.15 Inspector has been modified.
- c) The following definitions have been deleted: 3.2 Attachment, 3.18 Total capacity, 3.19 Total mass, 4.1 Actuator, 4.2 Demountable, 4.3 Cross compatibility, 4.4 Effective cycle time, 4.5 Fail safe, 4.8 Fire wire system, 4.9 Gantry control system, 4.10 Gantry control system reaction time, 4.11 Interface, 4.13 Inter-operable, 4.18 Non-permissive, 4.19 Overfill prevention controller, 4.21 Overfill prevention system response time, 4.22 Permissive, 4.26 Self-checking, 4.27 Sensor and 4.28 Two-wire system.

This standard provides uniform terminology for technical terms which require definition in addition to regulatory definitions based in RID/ADR, and specific terms defined in other standards on tanks for transport of dangerous goods, prepared by CEN/TC 296.

Clause 3 defines general terms and Clause 4 defines specific terms.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This European Standard gives the terminology for all tanks and does not cover carriage in bulk for the transport of dangerous goods. This document is part of the standards on tanks for transport of dangerous goods, prepared by CEN/TC 296 in application of the RID/ADR [2, 3]:

— Annex A gives some definitions taken from RID/ADR chapter 1.2 ; and

— Annex B gives some definitions taken from RID/ADR chapter 6.7.

NOTE Annexes A and B are based on the 2013 edition of RID/ADR which are updated every two years. This includes the potential of temporary inconsistencies with these annexes.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 12266-1:2012, *Industrial valves — Testing of metallic valves — Part 1: Pressure tests, test procedures and acceptance criteria — Mandatory requirements*

3 General terms

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

3.1

accessory

equipment mounted to the tank which is not part of the shell or service equipment or structural equipment

3.2

adaptor

closure with a particular connection profile

3.3

baffle

any non-hermetically sealed structure other than a surge plate, intended to inhibit the movement of the shell contents

3.4

breathing

automatic and normal function to control pressure and vacuum between the inside and the outside of the shell

3.5

capacity

total inner volume of shell or shell compartment construction

Note 1 to entry: When it is impossible to fill completely the shell or shell compartment because of its shape or construction, this reduced capacity is used for the determination of the degree of filling and for the marking of the tank.

3.6

cold forming

forming at temperatures not less than 25 °C below the maximum permissible temperature for stress relieving, in accordance with the applicable material specifications

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