



BSI Standards Publication

Tanks for transport of dangerous goods — Guidance and recommendations for loading, transport and unloading

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National foreword

This Published Document is the UK implementation of CEN/TR 15120:2013. It supersedes PD CEN/TR 15120:2005 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee AUE/18, Tanks for the transport of dangerous goods.

A list of organizations represented on this committee can be obtained on request to its secretary.

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Amendments issued since publication

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English Version

Tanks for transport of dangerous goods - Guidance and recommendations for loading, transport and unloading

Citernes destinées au transport de matières dangereuses -
Lignes directrices et recommandations pour le chargement,
le transport et le déchargement

Tanks für die Beförderung gefährlicher Güter - Leitlinien
und Empfehlungen für Ausfüllung, Beförderung und
Entladung

This Technical Report was approved by CEN on 28 January 2013. It has been drawn up by the Technical Committee CEN/TC 296.

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Foreword

This document (CEN/TR 15120:2013) has been prepared by Technical Committee CEN/TC 296 "Tanks for the transport of dangerous goods", the secretariat of which is held by AFNOR.

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 CEN/TR 15120:2005.

The main changes compared to the previous edition are:

- additional statement concerning spray deflectors added to 5.2.1;
- additional statement concerning pressure balanced footvalve pressure relieving added to 5.3.3;
- new section 5.3.4 concerning cap for loading and unloading adaptor added;
- additional statement clarifying where 5.5 kPa pressure shall be measured in 5.4.1;
- reference to EN12971 removed from 5.4.1;
- flame arrester specification updated to meet latest standard in 5.4.5;
- additional statement concerning positioning of an overfill probe added to 5.5.1;
- Annex A – statement concerning height of loading adaptors changed to reflect Directive 94/63/EC;
- Annex A – additional statement defining minimum adaptor spacing added.

1 Scope

This Technical Report provides guidance and recommendations to enable the transfer of product and vapour between the loading gantry, the tank truck and the service station.

The European Parliament and Council Directive 94/63/EC (VOC Directive) requires operators to ensure that petroleum vapours are not emitted into the atmosphere during loading and unloading. The recommendations and guidance given in this document are intended to assist users in meeting the requirements of this Directive.

This Technical Report acknowledges that, for climatic and logistical reasons, alternative technical solutions are commonly used in the Arctic Region.

This Technical Report gives guidance and recommendations for loading at terminals and discharge at service stations or customer premises of tank trucks transporting dangerous substances of Class 3 or 4 (ADN - European Agreement concerning the International Carriage of Dangerous Goods by Road – flammable liquids) which have a vapour pressure not exceeding 110 kPa at 50 °C and petrol, and which have no sub-classification as toxic or corrosive.

2 Normative references

The following documents, in whole 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 12972, *Tanks for transport of dangerous goods — Testing, inspection and marking of metallic tanks*

EN 14564:2013, *Tanks for transport of dangerous goods — Terminology*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 14564:2013 and the following apply.

3.1

arctic region

region comprising Finland, Norway and Sweden

3.2

authorisation to load

authorisation of a tank truck loader by a terminal operator to load the required goods into the tank truck following the verification of his or her competence including any required certification and its associated validity

3.3

driver

person in charge of the tank truck, having responsibility for driving and who might or might not also be responsible for its loading and/or discharge

3.4

overflow

filling of a tank truck or one or more of its compartments to the extent that the total volume loaded into a compartment exceeds the maximum permitted volume