



**NSAI**  
Standards

Irish Standard  
I.S. EN 16507:2014

# Railway applications - Ground based service - Diesel refuelling equipment

**I.S. EN 16507:2014**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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## Railway applications - Ground based service - Diesel refuelling equipment

Applications ferroviaires - Services au sol - Dispositifs de remplissage en carburants

Bahnanwendungen - Versorgungsdienste - Dieselbetankungseinrichtungen

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## **Foreword**

This document (EN 16507:2014) has been prepared by Technical Committee CEN/TC 256 “Railway applications”, 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of an identical text or by endorsement, at the latest by April 2015 and conflicting national standards shall be withdrawn at the latest by April 2015.

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 has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

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**EN 16507:2014 (E)**

## **Introduction**

This European Standard contains requirements regarding equipment for railway vehicles and railway infrastructure for filling railway vehicles with diesel fuel. These minimum requirements for an open filling system describe the target system to be available across Europe to assist use of the railway network, supporting Directive 2008/57/EC.

## 1 Scope

This European Standard specifies interface requirements on vehicles and at designated fuelling points for diesel refuelling equipment for any railway vehicle fitted with a diesel power unit(s).

This European Standard is written for refuelling railway vehicles with fuels that are compliant with Directive 2009/30/EC.

This European Standard is not applicable to mobile or temporary refuelling points.

## 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 13012:2012, *Petrol filling stations - Construction and performance of automatic nozzles for use on fuel dispensers*

EN 13617-2:2012, *Petrol filling stations - Part 2: Safety requirements for construction and performance of safe breaks for use on metering pumps and dispensers*

EN 15877-2:2013, *Railway applications - Markings of railway vehicles - Part 2: External markings on coaches, motive power units, locomotives and on track machines*

EN 45545-7:2013 *Railway applications - Fire protection on railway vehicles - Part 7: Fire safety requirements for flammable liquid and flammable gas installations*

## 3 Terms and definitions

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

### 3.1

#### **railway infrastructure**

all installations required for the running of railway vehicles including operating and support facilities

EXAMPLE      Tracks, crossings, catenaries, signals, maintenance depots.

### 3.2

#### **fixed installations**

all installations, including buildings and services, required for the running of railway vehicles including operating and support facilities

## 4 Requirements

### 4.1 Standard refuelling connection

Railway vehicles fitted with a diesel engine capable of running with fuel compliant with Directive 2009/30/EC, Annex II shall have an opening and fuel tank on the railway vehicle compliant with 4.2. It is permitted to also fit additional alternative fuelling connections to suit local filling couplings.

NOTE      A non-exhaustive list of examples of existing systems is shown in Annex C.

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