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Standards

Irish Standard
I.S. EN 16362:2013

Railway applications - Ground based services - Water restocking equipment

I.S. EN 16362:2013

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EN 16362:2013 (E)

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Foreword

This document (EN 16362:2013) 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of an identical text or by endorsement, at the latest by June 2014, and conflicting national standards shall be withdrawn at the latest by June 2014.

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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 2008/57/EC.

For relationship with EU Directive 2008/57/EC, see informative Annex ZA which is an integral part of this document.

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EN 16362:2013 (E)**1 Scope**

This European Standard specifies the interface requirements for water restocking equipment, and the on board system to preserve the quality of the water supply. It is applicable to railway vehicles fitted with water taps for use in toilets, washing facilities, water dispensers and catering equipment and the railway infrastructure at designated servicing sites.

This European Standard is not applicable to filling railway vehicles with water for the purpose of engine cooling, steam heating or work equipment on on-track machines.

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 806 (all parts), *Specification for installations inside buildings conveying water for human consumption*

EN 806-2:2005, *Specification for installations inside buildings conveying water for human consumption — Part 2: Design*

EN 12502-1, *Protection of metallic materials against corrosion — Guidance on the assessment of corrosion likelihood in water distribution and storage systems — Part 1: General*

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

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.

4 Requirements**4.1 On vehicles****4.1.1 Water system****4.1.1.1 Standard temperature range**

Where a railway vehicle has a requirement for water taps for use in toilets, washing facilities, water dispensers and catering equipment using water it shall be fitted with a system to supply water for this purpose. The water system shall be designed and insulated such that:

- with the vehicle heating system operational the water system shall function normally at external temperature of $-20\text{ }^{\circ}\text{C}$;
- the water system shall function normally after the heating system is turned off with the vehicle internal temperature of $20\text{ }^{\circ}\text{C}$ and external temperature of $-10\text{ }^{\circ}\text{C}$ for 12 h, and then the vehicle internal temperature returned to $20\text{ }^{\circ}\text{C}$.

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