



**SLOVENSKI STANDARD**  
**oSIST prEN 15955-2:2022**

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**Železniške naprave - Infrastruktura - Vlečni stroji, priklopni vagoni in pripadajoča oprema - 2. del: Splošne varnostne zahteve**

Railway applications - Infrastructure - Demountable machines, trailers and associated equipment - Part 2: General safety requirements

Bahnanwendungen - Infrastruktur - Ausgleisbare Maschinen, Anhänger und zugehörige Ausstattung -Teil 2: Allgemeine Sicherheitsanforderungen

Applications ferroviaires - Infrastructure - Machines dérailables, remorques et éléments associés - Partie 2 : Prescriptions générales pour la sécurité

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45.120	Oprema za gradnjo in vzdrževanje železnic oz. žičnic	Equipment for railway/cableway construction and maintenance

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## Railway applications - Infrastructure - Demountable machines, trailers and associated equipment - Part 2: General safety requirements

Applications ferroviaires - Infrastructure - Machines dérailables, remorques et éléments associés - Partie 2 : Prescriptions générales pour la sécurité

Bahnanwendungen - Infrastruktur - Ausgleisbare Maschinen, Anhänger und zugehörige Ausstattung -Teil 2: Allgemeine Sicherheitsanforderungen

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 256.

If this draft becomes a European Standard, 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.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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**prEN 15955-2:2022 (E)****European foreword**

This document (prEN 15955-2:2022) has been prepared by Technical Committee CEN/TC 256 “Railway applications”, the secretariat of which is held by DIN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 15954-2:2013 and EN 15955-2:2013.

Principal amended clauses compared to EN 15954-2:2013 and EN 15955-2:2013:

- general all references updated to latest issue;
- 4.3 attachments with rail wheels clarified to be a trailer;
- Clause 5 all of Part 5 renumbered and each clause revised;
- 6.4 additional clause added for machines that profile rails;
- Clause 7 requirements for machine marking revised (was previously 8.3 and 8.4);
- Clause 8 documentation requirements completely revised (was previously called ‘Information for Use’);
- Annex A revised to suit new format and numbering
- Annex B revised to suit new format and numbering
- Annex C revised and updated
- Annex new Annexes D to H added

The standard has been prepared under a standardization request given to CEN/CENELEC by the European Commission and the European Free Trade Association, and support essential requirements of EU Directive 2006/42/EC.

For relationship with EU Directive 2006/42/EC, see informative Annex ZA, which is an integral part of this document.

EN 15955, *Railway applications — Track — Demountable machines, trailers and associated equipment*, is currently composed with the following parts:

- *Part 1: Technical requirements for travelling and working;*
- *Part 2: General safety requirements.*

## Introduction

The machinery concerned and the extent to which hazards, hazardous situations and events are covered are indicated in the scope of this document.

This document is the second of a series of two parts of the European standard: *Railway applications — Track — Demountable machines, trailers and associated equipment*, dealing with railway specific risks of the demountable machines and trailers when travelling and working on railway infrastructures:

- Part 1 covers the safety and technical requirements for the machines in travelling and working modes, and is applicable for all machines, including those in operation on urban rail;
- Part 2 covers the safety requirements for the machines in travelling and working modes; this is a document harmonized with the European Machinery Directive 2006/42/EC.

Part 1 defines requirements for approval of the machine for use on the railway. Depending on the decision of the Infrastructure Manager, Urban Rail Manager or the requirements in National rules the assessment of conformance could be undertaken by the Infrastructure/Urban Rail Manager concerned, by a third party assessor or by the manufacturer as a declaration of conformity.

Part 2 defines requirements for the machine to be declared conformant by the manufacturer, except in the case of machines classified under Annex 4 of the Machinery Directive, which require a conformity check in conjunction with a notified body.

This document was prepared to meet the basic requirements of EU Directives to facilitate an open market for goods and services.

This document deals with railway specific risks of the demountable machines and trailers as defined in 3.1, 3.2 and 3.3 when travelling and working on railway infrastructures.

This document is a type C standard as stated in EN ISO 12100:2010.

When provisions of this type C standard are different from those which are stated in type B standards, the provisions of this type C standard take precedence over the provisions of the other standards, for machines that have been designed and built in accordance with the provisions of this type C standard.

The hazards which exist in all mechanical, electrical, hydraulic, pneumatic and other components of machines and which are dealt with in the relevant European standards are not within the scope of this document. Where necessary, references are made to appropriate standards of this type.

This document is of relevance, in particular, for the following stakeholder groups representing the market players with regard to machinery safety:

- machine manufacturers (small, medium and large enterprises);
- health and safety bodies (regulators, accident prevention organizations, market surveillance etc.).

Others can be affected by the level of machinery safety achieved with the means of the document by the above-mentioned stakeholder groups:

- machine users/employers (small, medium and large enterprises);
- machine users/employees (e.g. trade unions, organizations for people with special needs);
- service providers, e.g. for maintenance (small, medium and large enterprises);
- consumers (in case of machinery intended for use by consumers).

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The above-mentioned stakeholder groups have been given the possibility to participate at the drafting process of this document.

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## 1 Scope

This document specifies the general safety requirements for demountable machines and trailers, including road-rail trailers – henceforward referred to as ‘machines, for use when travelling and working on railway track.

NOTE Trailers, including road-rail trailers, are considered as machines because they are moved along the track by powered machines.

This document specifies the requirements to deal with the common hazards presented by their use on the railway during transport, assembly and installation, commissioning, travelling and working on track, use including setting, programming, and process changeover, operation, cleaning, fault finding, maintenance and de-commissioning of the machines and associated equipment when they are used as intended and under conditions of misuse which are reasonably foreseeable.

These machines will not run on railway lines open to normal traffic.

NOTE Other rail mounted railway maintenance and infrastructure inspection machines are dealt with in other European standards, see Technical Report CEN/TR 17498:2020.

This document is also applicable to machines and associated equipment that in working mode are partly supported on the ballast or the formation.

The requirements in this document are based on the assumption that the machines are used, operated and maintained by skilled person(s).

This document does not apply to the following:

- requirements for quality of the work or performance of the machine;
- use of separate equipment temporarily mounted on machines;
- machines that utilize external power supplies such as the overhead contact line system for traction purposes or as a power source;
- hazards due to air pressure caused by the passing of high-speed trains at more than 200 km/h;
- operation subject to special rules, e.g. potentially explosive atmospheres;
- hazards due to natural causes, e.g. earthquake, lightning, flooding;
- working methods;
- operation in severe working conditions requiring special measures, e.g. corrosive environments, contaminating environments, strong magnetic fields;
- hazards occurring when used to handle suspended loads which may swing freely.