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Railway applications - Vehicle reference masses

Táto norma obsahuje anglickú verziu európskej normy. This standard includes the English version of the European Standard.

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Railway applications - Vehicle reference masses

Applications ferroviaires - Masses de référence des véhicules

Bahnanwendungen - Fahrzeugreferenzmassen

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European foreword

This document (EN 15663:2017+A2:2024) 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of an identical text or by endorsement, at the latest by June 2025, and conflicting national standards shall be withdrawn at the latest by June 2025.

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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.

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This European Standard aims to support the TSIs and European Standards for the calculation of vehicle masses.

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Introduction

To define the design, testing and operation of vehicles in general and their main constituent parts, it is necessary to clearly specify the associated states of loading. This European Standard provides such a set of vehicle reference masses and describes how each is derived.

1 Scope

This European Standard defines a set of reference masses for specifying the requirements for the design, testing, acceptance, marking, delivery and operation of rail vehicles.

The reference masses defined in this document are as follows:

- dead mass:
- design mass in working order;
- design mass under normal payload;
- design mass under exceptional payload;
- operational mass in working order;
- operational mass under normal payload.

These reference masses are defined with respect to the whole vehicle, but they can also apply to a specific system or component.

The specification of values for tolerances applicable to reference masses is not in the scope of this standard. Tolerances can be required by an application standard.

Additional loadings due to environmental factors, for example snow and retained or absorbed rainwater, are not in the scope of this European Standard.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 17343:2023, Railway applications — General terms and definitions 🔄

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