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Railway applications - Infrastructure - Track alignment design parameters - Urban rail

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

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**Railway applications - Infrastructure - Track alignment
design parameters - Urban rail**Applications ferroviaires - Infrastructure - Paramètres
de conception du tracé de la voie pour le rail urbainBahnanwendungen - Oberbau -
Streckentrassierungsparameter für den städtischen
Schienenverkehr

This European Standard was approved by CEN on 9 July 2023.

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EN 17636:2023 (E)**European foreword**

This document (EN 17636:2023) 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of an identical text or by endorsement, at the latest by April 2024, and conflicting national standards shall be withdrawn at the latest by April 2024.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a Standardization Request given to CEN by the European Commission and the European Free Trade Association.

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1 Scope

This document specifies rules and limits for track alignment design parameters, including alignments within switches and crossings. Several of these limits are functions of speed. Alternatively, for a given track alignment, it specifies rules and limits that determine permissible speed with regards to track alignment.

This document is applicable to urban or suburban rail networks for passenger services not integrated with the national network.

Sections of urban or suburban rail networks integrated in the national rail networks are not covered by this document. They are covered by EN 13803 (or for nominal track gauges smaller than 1 435 mm by national alignment rules).

For the purpose of this document, urban or suburban rail networks include:

- Networks designed for own right of way and segregated from general road and pedestrian traffic,
and
- Networks (partly) not segregated from general road and pedestrian traffic, with shared lanes.

This document is applicable to rail systems with steel wheels running on steel vignole rails or steel grooved rails. Rail systems with specific construction issues (e.g. rack railways, funicular railways and other types of cable drawn rail systems) are not covered by this document.

This document defines the parameters, and specifies rules and limits for nominal track gauges of 1 435 mm and 1 000 mm with permissible speeds up to 120 km/h. For other nominal track gauges, this document defines conversion rules which are used to specify the limits.

2 Normative references

There are no normative references in this document.

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