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RÖÖBASTEE GEOMEETRILINE KVALITEET. OSA 5:
GEOMEETRILISE KVALITEEDI TASEMED.
HARGNEMISTETA RADA**

**Railway applications - Track - Track geometry quality -
Part 5: Geometric quality levels - Plain line
CONSOLIDATED TEXT**

EESTI STANDARDI EESSÕNA**NATIONAL FOREWORD**

See Eesti standard EVS-EN 13848-5:2008+A1:2010 sisaldab Euroopa standardi EN 13848-5:2008+A1:2010 ingliskeelset teksti.	This Estonian standard EVS-EN 13848-5:2008+A1:2010 consists of the English text of the European standard EN 13848-5:2008+A1:2010.
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English Version

**Railway applications - Track - Track geometry quality - Part 5:
Geometric quality levels - Plain line**

Applications ferroviaires - Voie - Qualité géométrique de la
voie - Partie 5: Niveaux de la qualité géométrique de la voie
- Voie courante

Bahnanwendungen - Oberbau - Qualität der Gleisgeometrie
- Teil 5: Geometrische Qualitätsstufen - Gleise

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Foreword

This document (EN 13848-5:2008+A1:2010) 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of an identical text or by endorsement, at the latest by October 2010, and conflicting national standards shall be withdrawn at the latest by October 2010.

This document includes Amendment 1, approved by CEN on 2010-03-22.

This document supersedes EN 13848-5:2008.

The start and finish of text introduced or altered by amendment is indicated in the text by tags **A1** **A1**.

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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 96/48/EC of 23rd July 1996 on the interoperability of the trans-European high-speed rail system amended by the EU Directive 2004/50/EC of the European Parliament and of the Council of 29th April 2004.

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

This European Standard is one of the series EN 13848 *Railway applications — Track — Track geometry quality* as listed below:

- *Part 1: Characterisation of track geometry*
- *Part 2: Measuring systems — Track recording vehicles*
- *Part 3: Measuring systems — Track construction and maintenance machines*
- *Part 4: Measuring systems — Manual and light weight devices* ¹⁾
- **A1** *Part 5: Geometric quality levels — Plain line* **A1**

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¹⁾ To be published.

1 Scope

This European Standard defines the minimum requirements for the quality levels of track geometry, and specifies the safety related limits for each parameter as defined in EN 13848-1.

This standard covers the following topics:

- description of quality levels;
- relative importance of parameters;
- immediate action limit;
- considerations on other quality levels.

This European Standard applies to high-speed and conventional plain line of 1 435 mm and wider gauge railways provided that the vehicles operated on those lines comply with EN 14363 and other vehicle safety standards.

For lines covered by the high speed infrastructure TSI, the requirements stated in the HS INS TSI prevail. Any track geometry parameter not covered by the HS INS TSI needs to be compliant with this European Standard.

2 Normative references

Not applicable.

3 Terms and definitions

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

3.1

nominal track gauge

reference value for track gauge used by individual networks

3.2

design track gauge

design value of track gauge for a given track section, which might be different from the nominal track gauge

3.3

QN1 level

refer to EN 14363

3.4

QN2 level

refer to EN 14363

3.5

QN3 level

refer to EN 14363