

	Železnice. Koľaj. Prieskum kvality geometrie koľaje.	TNI CEN/TR 16513 73 6318
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Railway applications - Track - Survey of track geometry quality

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This Technical standard information includes the English version of CEN/TR 16513:2014.

Táto technická normalizačná informácia bola oznámená vo Vestníku ÚNMS SR č. 05/14

119061

Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, odbor SÚTN, 2014
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ICS 93.100

English Version

Railway applications - Track - Survey of track geometry quality

Applications ferroviaires - Voie - Analyse de la qualité de la
géométrie de la voie

Bahnanwendungen - Oberbau - Überblick über die
geometrische Gleislagequalität

This Technical Report was approved by CEN on 18 May 2013. It has been drawn up by the Technical Committee CEN/TC 256.

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Foreword

This document (CEN/TR 16513:2014) has been prepared by Technical Committee CEN/TC 256 "Railway applications", the secretariat of which is held by DIN.

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1 Scope

CEN/TC 256/SC 1/WG 28 "Railway applications/Infrastructure/Track geometry quality" conducted a survey of the geometric quality of track across European railway networks. This was to get an understanding and overview of the track geometry across Europe in order to support the definition of track geometric quality classes for the writing of EN 13848-6.

This Technical Report describes the methodology used for the survey and gives the results.

2 Terms and definitions

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

2.1
track quality index
TQI
value that characterises track geometry quality of a track section based on parameters and measuring methods compliant with the EN 13848 series

2.2
track quality class
TQC
characterisation of track geometry quality as a function of speed and expressed as a range of *TQIs*

2.3
re-colouring
algorithm which converts one signal into a different signal and which is used in the EN 13848 series to convert a chord measurement signal into a *D1* or *D2* measurement signal

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