
**Železniške naprave - Zgornji ustroj proge - Kakovost tirne geometrije - 6. del:
Karakterizacija kakovosti tirne geometrije - Dopolnilo A1**

Railway applications - Track - Track geometry quality - Part 6: Characterisation of track geometry quality

Bahnanwendungen - Oberbau - Qualität der Gleisgeometrie - Teil 6: Charakterisierung der geometrischen Gleislagequalität

Applications ferroviaires - Voie - Qualité géométrique de la voie - Partie 6 :
Caractérisation de la qualité géométrique de la voie

Ta slovenski standard je istoveten z: EN 13848-6:2014/prA1

ICS:

45.080	Tračnice in železniški deli	Rails and railway components
93.100	Gradnja železnic	Construction of railways

SIST EN 13848-6:2014/oprA1:2019 **en,fr,de**

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<https://standards.iteh.ai/catalog/standards/sist/d481e578-89c8-4699-9f73-6e6a1d98eb4b/sist-en-13848-6-2014-oprA1-2019>

EUROPEAN STANDARD
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ICS 93.100

English Version

Railway applications - Track - Track geometry quality - Part 6: Characterisation of track geometry quality

Applications ferroviaires - Voie - Qualité géométrique
de la voie - Partie 6 : Caractérisation de la qualité
géométrique de la voie

Bahnwendungen - Oberbau - Qualität der
Gleisgeometrie - Teil 6: Charakterisierung der
geometrischen Gleislagequalität

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

This draft amendment A1, if approved, will modify the European Standard EN 13848-6:2014. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

This draft amendment was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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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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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN 13848-6:2014/prA1:2019) 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.

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EN 13848-6:2014/prA1:2019 (E)

1 Modification to Clause 2, Normative references

Add the following references:

"

EN 13848-5, *Railway applications – Track - Track geometry quality – Part 5: Geometric quality levels - Plain line, switches and crossings*

EN 14363, *Railway applications - Testing and Simulation for the acceptance of running characteristics of railway vehicles - Running Behaviour and stationary tests*".

2 Modification to 4.1, Introduction

Replace the following paragraph:

"Basic parameters for track geometry quality assessment"

by a subclause heading 4.2 as follows:

"

4.2 Basic parameters for track geometry quality assessment

”;

then modify the numbering of the following chapters:

"4.2 Transparency" becomes "4.3 Transparency";

"4.3 Complexity" becomes "4.4 Complexity";

"4.4 Track-vehicle interaction" becomes "4.5 Track-vehicle interaction".

3 Modification to 5.6, Power Spectral Density (PSD)

In the last sentence:

"As there are other methods for calculating PSD, the method used for should be specified.”;

delete "for".

4 Modification to 7.1, General

Replace the following paragraph:

"For speeds higher than 160 km/h standard deviations within wavelength D_2 (and D_3) may also be considered but the corresponding values have not yet been defined".

with a NOTE 3, whilst replacing "may" with "can":

"

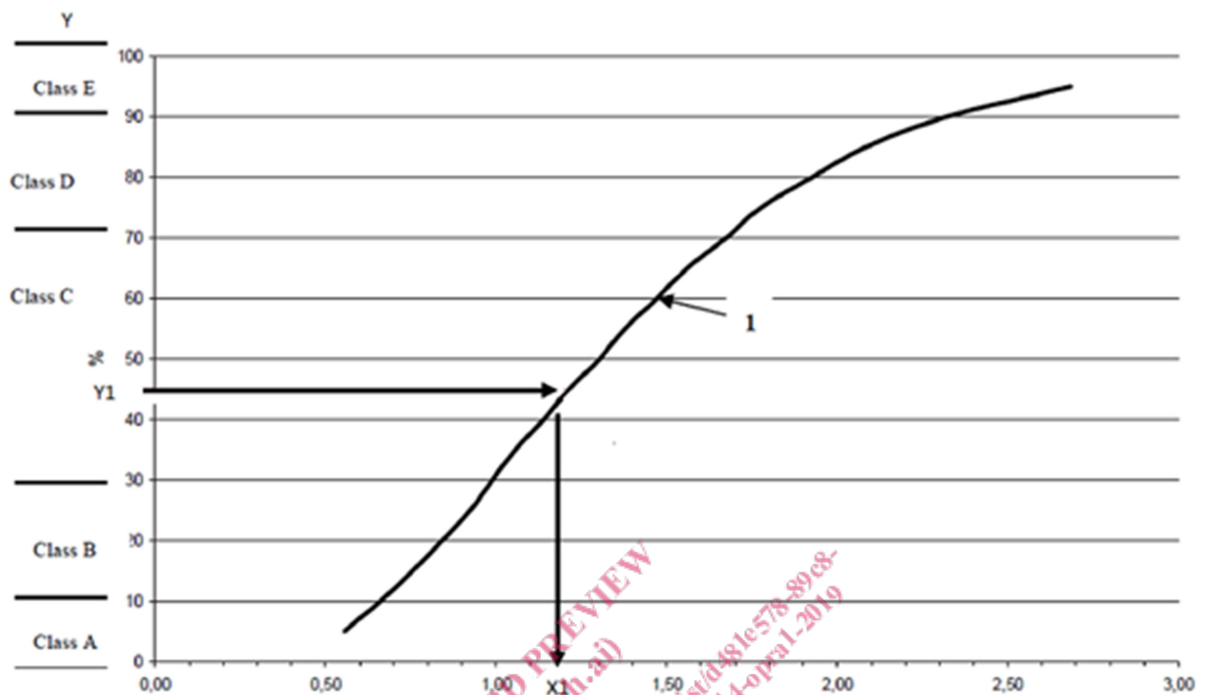
NOTE 3 For speeds higher than 160 km/h standard deviations within wavelength D_2 (and D_3) can also be considered but the corresponding values have not yet been defined.”.

5 Modifications to 7.2, Description of track quality classes (TQC)

In the 1st paragraph, replace the last sentence with the following one: "For example, in this figure, Y_1 % of the concerned track section has a TQI_{ref} value that is less than X_1 .”.

Replace Figure 2 itself with the following one:

“



”

6 Modifications to 7.3, Values of track quality classes

Add NOTE 1 just after Table 2 into Table 2 itself, i.e. as a NOTE 1 to the table.

In the following paragraph:

“For speeds higher than 160 km/h standard deviations within wavelength $D2$ (and $D3$) may also be considered but the corresponding values have not yet been defined.”

replace “may” into “can”; than add this statement as a NOTE 2 inside the table:

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“

Speed (in km/h)	Limit value of standard deviation (in mm)				
	Track quality class				
	A	B	C	D	E
$V \leq 80$	< 1,25	1,75	2,75	3,75	> 3,75
$80 < V \leq 120$	< 0,75	1,10	1,80	2,50	> 2,50
$120 < V \leq 160$	< 0,65	0,85	1,40	1,85	> 1,85
$160 < V \leq 230$	< 0,60	0,75	1,15	1,60	> 1,60
$230 < V \leq 300$	< 0,40	0,55	0,85	1,15	> 1,15
$V > 300$	Not available	Not available	Not available	Not available	Not available

NOTE 1 Considering that speeds higher than 300 km/h were not taken into account in the survey, no value can be provided for this speed range.

NOTE 2 For speeds higher than 160 km/h standard deviations within wavelength $D2$ (and $D3$) can also be considered but the corresponding values have not yet been defined.

”

Add NOTE 2 after Table 3 into Table 3 itself, i.e. as a NOTE 1 to the table.

In the following paragraph:

“For speeds higher than 160 km/h standard deviations within wavelength $D2$ (and $D3$) may also be considered but the corresponding values have not yet been defined.”

replace “may” into “can”; than add this statement as a NOTE 2 inside the table:

“

Speed (in km/h)	Limit value of standard deviation (in mm)				
	Track quality class				
	A	B	C	D	E
$V \leq 80$	< 0,90	1,25	1,95	2,70	> 2,70
$80 < V \leq 120$	< 0,50	0,70	1,05	1,45	> 1,45
$120 < V \leq 160$	< 0,45	0,55	0,75	1,00	> 1,00
$160 < V \leq 230$	< 0,40	0,50	0,70	0,90	> 0,90
$230 < V \leq 300$	< 0,35	0,40	0,50	0,65	> 0,65
$V > 300$	Not available	Not available	Not available	Not available	Not available

NOTE 1 Considering that speeds higher than 300 km/h were not taken into account in the survey, no value can be provided for this speed range.

NOTE 2 For speeds higher than 160 km/h standard deviations within wavelength $D2$ (and $D3$) can also be considered but the corresponding values have not yet been defined.

”