



**SLOVENSKI STANDARD**  
**SIST EN 14531-1:2016/oprA1:2017**  
**01-februar-2017**

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**Železniške naprave - Metode za izračun zavornih poti pri ustavljanju in upočasnjevanju ter zavarovanje stoječih vozil - 1. del: Splošni algoritmi, ki temeljijo na izračunu srednje vrednosti za vlakovne kompozicije ali posamezna vozila**

Railway applications - Methods for calculation of stopping and slowing distances and immobilization braking - Part 1: General algorithms utilizing mean value calculation for train sets or single vehicles

Bahnanwendungen - Verfahren zur Berechnung der Anhalte- und Verzögerungsbremswege und der Feststellbremsung - Teil 1: Allgemeine Algorithmen für Einzelfahrzeuge und Fahrzeugverbände unter Berücksichtigung von Durchschnittswerten

Applications ferroviaires - Méthodes de calcul des distances d'arrêt, de ralentissement et d'immobilisation - Partie 1 : Algorithmes généraux utilisant le calcul par la valeur moyenne pour des rames ou des véhicules isolés

**Ta slovenski standard je istoveten z: EN 14531-1:2015/prA1:2016**

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**ICS:**

45.060.01      Železniška vozila na splošno      Railway rolling stock in general

**SIST EN 14531-1:2016/oprA1:2017**      **en,fr,de**



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**EN 14531-1:2015**  
**prA1**

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ICS 45.060.01

English Version

**Railway applications - Methods for calculation of stopping  
and slowing distances and immobilization braking - Part 1:  
General algorithms utilizing mean value calculation for  
train sets or single vehicles**

Applications ferroviaires - Méthodes de calcul des  
distances d'arrêt, de ralentissement et  
d'immobilisation - Partie 1 : Algorithmes généraux  
utilisant le calcul par la valeur moyenne pour des  
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Feststellbremsung - Teil 1: Allgemeine Algorithmen für  
Einzelfahrzeuge und Fahrzeugverbände unter  
Berücksichtigung von Durchschnittswerten

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 14531-1:2015. 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

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

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## European foreword

This document (EN 14531-1:2015/prA1:2016) 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.

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 2008/57/EC.

For the relationship with EU Directive(s) see informative Annex ZA, which is an integral part of EN 14531-1:2015.

**EN 14531-1:2015/prA1:2016 (E)****1 Modification to 2, Normative references**

Delete prEN 15328, *Railway applications — Braking — Brake pads*.

**2 Modification to 4.4.6, Mean dynamic coefficient of friction ( $\mu_m$ ) tread and disc brakes**

*Change the first sentence to:*

The nominal dynamic values of the coefficient of friction shall be determined by specific dynamometer tests. For brake blocks see EN 16452.

NOTE Until publication of prEN 15328 the methods described in UIC 541-3 may be used for brake pads.

**3 Modification to 5.3, Static coefficient of friction**

*Change the second sentence to:*

The mean static values of the coefficient of friction shall be determined by specific dynamometer tests. For brake blocks see EN 16452.

NOTE Until publication of prEN 15328 the methods described in UIC 541-3 may be used for brake pads.

**4 Modification to Bibliography**

Add UIC 541-3, *Brakes — Disc brakes and their application — General conditions for the approval of brake pads*.