



SLOVENSKI STANDARD
SIST EN 50126-2:2018/A1:2025

01-januar-2025

Železniške naprave - Specifikacija in prikaz zanesljivosti, razpoložljivosti, vzdrževalnosti in varnosti (RAMS) - 2. del: Sistemski pristop k varnosti - Dopnilo A1

Railway Applications - The Specification and Demonstration of Reliability, Availability, Maintainability and Safety (RAMS) - Part 2: Systems Approach to Safety

Bahnanwendungen - Spezifikation und Nachweis von Zuverlässigkeit, Verfügbarkeit, Instandhaltbarkeit und Sicherheit (RAMS) - Teil 2: Systembezogene Sicherheitsmethodik

Applications ferroviaires - Spécification et démonstration de la fiabilité, de la disponibilité, de la maintenabilité et de la sécurité (FDMS) - Partie 2: Approche systématique pour la sécurité

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ICS:

03.120.01	Kakovost na splošno	Quality in general
45.020	Železniška tehnika na splošno	Railway engineering in general

SIST EN 50126-2:2018/A1:2025 **en**

EUROPEAN STANDARD

EN 50126-2:2017/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2024

ICS 45.020

English Version

Railway applications - The specification and demonstration of Reliability, Availability, Maintainability and Safety (RAMS) - Part 2: Systems approach to safety

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This amendment A1 modifies the European Standard EN 50126-2:2017; it was approved by CENELEC on 2024-10-14. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC 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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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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European foreword

This document (EN 50126-2:2017/A1:2024) has been prepared by Technical Committee CLC/TC 9X “Electrical and electronic applications for railways”.

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2025-11-30
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2027-11-30

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

This document has been prepared under a standardization request addressed to CENELEC by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annex ZZ, which is an integral part of this document.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

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EN 50126-2:2017/A1:2024 (E)**1 Modification to the European foreword**

In the fourth paragraph, *replace* “the new editions EN 50126-1:2017 and EN 50126-2:2017” *with* “the new editions of the EN 50126 series”.

2 Modifications to the Introduction

In the second paragraph, replace “EN 50126” *with* “the EN 50126 series”.

In the fifth paragraph, replace “EN 50126 forms part of” *with* “the EN 50126 series forms part of”.

In the seventh paragraph, replace “EN 50126-1 and EN 50126-2 are” *with* “the EN 50126 series is”.

3 Modification to Clause 1, “Scope”

In the first paragraph, replace “This part 2 of EN 50126” *with* “this document”.

In the first paragraph, first list item of the third bullet point, replace “a key concept of EN 50126” *with* “a key concept of the EN 50126 series”.

Replace the following text:

In the second paragraph, replace “This part 2 of EN 50126” *with* “this document”.

4 Modification to Clause 2, “Normative references”

Replace the normative reference with the following:

EN 50126-1:2017,¹ *Railway applications - The specification and demonstration of Reliability, Availability, Maintainability and Safety (RAMS) - Part 1: Generic RAMS process*

5 Modification to Clause 3, “Terms and definitions”

Replace “EN 50126-1” *with* “EN 50126-1:2017”.

6 Modification to Clause 6, “Safety demonstration and acceptance”

In 6.2, last paragraph, replace “EN 50126-1” *with* “EN 50126-1:2017”.

7 Modification to Clause 8, “Risk assessment”

In 8.2.3, last paragraph, replace “EN 50126-1” *with* “EN 50126-1:2017”.

8 Modification to Clause 10, “Apportionment of functional Safety Integrity requirements”

In 10.2.7, replace the penultimate paragraph with the following:

“In case the derived TFFR is equal to 10^{-5} h^{-1} or higher (less demanding), the function shall be given the attribute of “basic integrity”, with related requirements defined in 10.2.11.”

9 Modification to Annex G, “Key system safety roles and responsibilities”

In Table G.1, replace “13. understand the relevant parts of EN 50126” *with* “13. understand the relevant parts of the EN 50126 series”.

¹ As impacted by EN 50126-1:2017/A1:2024.