
Železniške naprave - Zahteve za razvoj programske opreme

Railway Applications - Requirements for software development

Bahnanwendungen - Anforderungen für die Softwareentwicklung

Applications ferroviaires - Exigences pour le développement de logiciels

Ta slovenski standard je istoveten z: EN 50716:2023/prA1:2026

ICS:

35.080	Programska oprema	Software
35.240.60	Uporabniške rešitve IT v prometu	IT applications in transport
45.020	Železniška tehnika na splošno	Railway engineering in general

SIST EN 50716:2024/oprA1:2026 **en**

Sample Document

get full document from standards.iteh.ai

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
EN 50716:2023

prA1

April 2026

ICS 35.240.60

English Version

Railway Applications - Requirements for software development

Applications ferroviaires - Exigences pour le développement
de logiciels

Bahnanwendungen - Anforderungen für die
Softwareentwicklung

This draft amendment prA1, if approved, will modify the European Standard EN 50716:2023; it is submitted to CENELEC members for enquiry.

Deadline for CENELEC: 2026-06-26.

It has been drawn up by CLC/TC 9X.

If this draft becomes an amendment, 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.

This draft amendment was established by CENELEC 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

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.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

© 2026 CENELEC All rights of exploitation in any form and by any means reserved worldwide for CENELEC Members.

Project: 80852

Ref. No. EN 50716:2023/prA1:2026 E

Content

Page

European foreword.....	3
1 Modifications to 6.7 “Support tools and languages”	4
2 Modifications to 7.3 “Architecture and design”	4
3 Modifications to Annex A, Criteria for the Selection of Techniques and Measures	4
4 Modifications to Clause C.3 “Artificial Intelligence and Machine Learning”	4
5 Modification to the Bibliography	8

Sample Document

get full document from standards.iteh.ai

European foreword

This document (EN 50716:2023/prA1:2026) has been prepared by CENELEC TC 9X, “Electrical and electronic applications for railways”.

This document is currently submitted to the Enquiry.

The following dates are proposed:

- latest date by which the existence of this document has to be announced at national level (doa) dav + 6 months
- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) dav + 12 months
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) dav + 36 months (to be confirmed or modified when voting)

The EN 50716:2023 was amended to provide clarifications and additional guidance on the use of AI and ML technologies, including generative AI.

The amendment A1 does not introduce new technical requirements. Its primary purpose is to provide informative guidance by:

- adding notes and clarifications to address usage of AI/ML-based tools;
- re-structuring and adding new informative contents in Annex C.3 on possible usage and challenges associated with the use of AI and ML tools throughout the software development lifecycle.

The aim of this amendment is to help users of EN 50716 navigate the application of AI and ML tools while upholding the established requirements for the development of software for railway systems.

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 EN 50716:2023.