SLOVENSKI STANDARD
SIST EN ISO 23019:2026

01-oktober-2026

Železniške naprave - Simulator vožnje za usposabljanje strojevodij (ISO 23019:2022)

Railway applications - Driving simulator for drivers' training (ISO 23019:2022)

Bahnanwendungen - Fahrsimulatoren zur Ausbildung von Fahrpersonalen im Schienenverkehr (ISO 23019:2022)

Applications ferroviaires - Simulateur de conduite pour la formation des conducteurs (ISO 23019:2022)

Ta slovenski standard je istoveten z: **EN ISO 23019:2026**

ICS:

03.100.30	Vodenje ljudi	Management of human resources
03.220.30	Železniški transport	Transport by rail
45.020	Železniška tehnika na splošno	Railway engineering in general

SIST EN ISO 23019:2026 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 23019

August 2026

ICS 03.220.30; 45.020

English Version

Railway applications - Driving simulator for drivers' training (ISO 23019:2022)

Applications ferroviaires - Simulateur de conduite pour la formation des conducteurs (ISO 23019:2022)

Bahnanwendungen - Fahrsimulatoren zur Ausbildung von Fahrpersonalen im Schienenverkehr (ISO 23019:2022)

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

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

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European foreword

The text of ISO 23019:2022 has been prepared by Technical Committee ISO/TC 269 "Railway applications" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 23019:2026 by Technical Committee CEN/TC 256 "Railway applications" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2027, and conflicting national standards shall be withdrawn at the latest by February 2027.

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

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Endorsement notice

The text of ISO 23019:2022 has been approved by CEN as EN ISO 23019:2026 without any modification.

INTERNATIONAL STANDARD

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Railway applications — Driving simulator for drivers' training

Applications ferroviaires — Simulateur de conduite pour la formation des conducteurs

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 269, *Railway applications*, Subcommittee SC 3, *Operations and services*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

The construction of new railway lines is carried out all over the world. For the operation of new railway lines, advanced cultivation/education of a driver's skill is necessary. Even for existing railway lines, cultivation/education of a new driver's skill and his/her sustained re-skilling are also necessary. Intrinsically, cultivation/education of vehicle crew/staff (e.g. the driver, conductor) is important to ensure safety and stability of rail transport. This is because it can bring about accident prevention and reduce the effects of abnormal working conditions (e.g. an unexpected accident, breakdown of a train and its components). Since the driving simulator can easily reproduce these abnormal working conditions, it can lead to the improvement of driving techniques and effective crew/staff training. Therefore, the introduction of the driving simulator device becomes indispensable in the field of driver training, which has very high needs and demands.

For that reason, this document has been developed to:

— define the common terminologies;

— support the creation of specifications for international procurement (e.g. to avoid the possibility of applying too many specifications that can lead to a remarkable rise in price depending on the purpose of use of the simulator);

— define what is necessary for the performance of the driving simulator depending on the training purposes to ensure that appropriate and most efficient driver training is carried out.

This document covers these needs and, as a result, contributes to the further development of the railway industry.

This document will help customers by giving them a clear vision of the minimum functions and performances required for a simulator. Thus, it can help them to define their real needs.