SLOVENSKI STANDARD
SIST EN 1990-1:2023+A1:2026/oprA2:2026

01-november-2026

Evrokod - Osnove projektiranja konstrukcij in geotehničnega projektiranja - 1. del: Nove konstrukcije

Eurocode - Basis of structural and geotechnical design - Part 1: New structures

Eurocode - Grundlagen der Tragwerksplanung und Planung geotechnischer Bauwerke - Teil 1: Neubauten

Eurocode - Bases des calculs structuraux et géotechniques - Partie 1 : Structures neuves

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Ta slovenski standard je istoveten z: **EN 1990-1:2023+A1:2026/prA2**

ICS:

91.010.30	Tehnični vidiki	Technical aspects

SIST EN 1990-1:2023+A1:2026/oprA2:2026 **en,fr,de**

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

DRAFT EN 1990-1:2023+A1:2026

prA2

September 2026

ICS 91.010.30

English Version

Eurocode - Basis of structural and geotechnical design - Part 1: New structures

Eurocode - Bases des calculs structuraux et géotechniques - Partie 1 : Structures neuves

Eurocode - Grundlagen der Tragwerksplanung und Planung geotechnischer Bauwerke - Teil 1: Neubauten

This draft amendment is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 250.

This draft amendment A2, if approved, will modify the European Standard EN 1990-1:2023+A1:2026. 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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EUROPEAN COMMITTEE FOR STANDARDIZATION
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European foreword

This document (EN 1990-1:2023+A1:2026/prA2:2026) has been prepared by Technical Committee CEN/TC 250 “Structural Eurocodes”, the secretariat of which is held by BSI. CEN/TC 250 is responsible for all Structural Eurocodes and has been assigned responsibility for structural and geotechnical design matters by CEN.

This document is currently submitted to the CEN Enquiry.

This document will amend EN 1990-1:2023+A1:2026.

NOTE Some modifications are purely editorial corrections to improve the quality of the document and these will not be tagged in the consolidated publication, as noted after the modification.

The first generation of EN Eurocodes was published between 2002 and 2007. This document forms part of the second generation of the Eurocodes, which have been prepared under Mandate M/515 issued to CEN by the European Commission and the European Free Trade Association.

The Eurocodes have been drafted to be used in conjunction with relevant execution, material, product and test standards, and to identify requirements for execution, materials, products and testing that are relied upon by the Eurocodes.

The Eurocodes recognize the responsibility of each Member State and have safeguarded their right to determine values related to regulatory safety matters at national level through the use of National Annexes.

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1 Modification throughout the whole document

Replace “FprEN 1991-3:2025” *with* “EN 1991-3:2026”.

Replace “FprEN 1991-4:2025” *with* “EN 1991-4:2026”.

Replace “EN 1991 (all parts) to EN 1999 (all parts)” *with* “EN 1991 (all parts) to EN 1999 (all parts) and EN 19100 (all parts)”.

Replace “cranes or machines” *with* “cranes or other machines”.

Replace “cranes and machines” *with* “cranes and other machines”.

2 Modification to Clause 0, “Introduction”

0.5 *Add the following references in the table with national choices:* “J.3.2(1)”, “J.3.3(5)” and “J.6.2.1(4)”.

0.5 *Add the following in the table with Informative Annexes:* “Annex J”.

3 Modification to Clause 2, “Normative references”

Add the following reference:

EN 19100 (all parts), *Eurocode 10 — Design of glass structures*

4 Modification to Clause 3, “Terms, definitions and symbols”

3.1.2.9 *Replace the word* “may” *with* “can” *in the definition of* “*fatigue design situation*”.

3.1.2 *Add a new definition* **3.1.2.16 verification**: “<limit state> confirmation that a limit state will not be exceeded”, *then have the subsequent terms renumbered*

3.1.2.36 *Replace the word* “non-renewable” *with* “natural” *in the definition of* “*sustainability*”

3.1.8.1 *Replace the source reference* “3.2.61” *with* “3.2.59”.

3.1.8.2 *Replace the source reference* “3.2.62” *with* “3.2.60”.

3.1.8.3 *Replace the source reference* “3.2.52” *with* “3.2.50”.

3.1.8.4 *Replace the source reference* “3.2.71” *with* “3.2.69”.

3.1.8.5 *Add* “from particulate solids” *between the words* “traction” *and* “acting”.

3.1.8.5 *Replace the source reference* “3.2.65” *with* “3.2.63”.

3.1.8.6 *Replace the source reference* “3.2.62” *with* “3.2.61”.

3.1.8.8 *Replace the source reference* “3.2.47” *with* “3.2.45”.

3.1.8.9 *Replace the source reference* “3.2.74” *with* “3.2.72”.

3.1.8.10 *Replace the source reference* “3.2.75” *with* “3.2.73”.

3.1.9.2 *Replace* “assembly” *with* “machine” *in the definition and in the source.*

3.1.9.2 *Delete the NOTE to the entry and* “, and NOTE 1 to entry added” *in the source.*

3.1.9.7 *Replace* “counterweights, trolley” *with* “if exist counterweight(s)”.

3.1.9.9 *Delete the comma in the definition.*

3.1.9.12 *Delete the comma in the definition.*

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3.1 *Add the following new subclause 3.1.10:*

"3.1.10 Terms relating to numerical methods

3.1.10.1
validation
<numerical model> process of confirming if a model and, where relevant, its input parameters are an adequate representation of the physical phenomena for the intended purpose

Note 1 to entry: Validation is the domain of physics and can concern empirical methods and/or engineering theorems.

Note 2 to entry: The validation of a model includes the identification of the application domain.

Note 3 to entry: The validation of a model is needed for the determination of model uncertainty.

3.1.10.2
verification
<numerical model> process of determining that a numerical model sufficiently accurately approximates a correct solution for the specific project

Note 1 to entry: Verification is the domain of mathematics and concerns the accuracy of numerical methods.

Note 2 to entry: Verification includes also the checks of inputs and outputs for a particular application.

3.1.10.3
indirect method
method in which verification of a limit state is based on the effects of actions (e.g. internal forces, stresses or generalised deformations) obtained e.g. from a numerical model and the resistance obtained by the relevant resistance model specified in the appropriate Eurocode, for which partial factors have been calibrated in compliance with the resistance calculation models and are provided in the same Eurocode

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Note 1 to entry: Numerical analyses of geotechnical structures can be considered as belonging to the indirect design method as long as the resistance models for ground comply with EN 1997 (all parts), all parts and the resistance models for structural elements comply with the corresponding material Eurocodes.

Note 2 to entry: In some cases, the numerical model acts in conjunction with an advanced material model, not covered by the other Eurocodes. The material model interacts with the action model. It can depend on the circumstances whether a combined or separate validation is most adequate.

3.1.10.4
direct method
method in which verification of a limit state is based on the effects of actions (e.g. internal forces, stresses or generalised deformations) and the (overall or system) resistance obtained directly from the numerical model

3.1.10.5
reference solution
solution obtained from an analytical or numerical model, and its associated model uncertainty, based on accepted theory or evidence used to validate and/or to verify the results obtained by the numerical model used in the design

3.1.10.6
load amplification factor
factor used in direct methods to multiply actions' values in a numerical analysis to obtain the values of the effects of actions (demand) and the resistance (capacity)

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