

Icelandic National Annexes to EUROCODES

Íslenskir þjóðarviðaukar við
evrópska þolhönnunarstaðla

Sýnishorn



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Án skriflegs leyfis útgefanda má ekki endurprenta eða afrita þennan staðal með neinum hætti, vélrænum eða rafrænum, svo sem ljósritun, hljóðritun eða annarri aðferð sem nú er þekkt eða verður síðar fundin upp, né miðla staðlinum í rafrænu gagnasafni.

1. prentun, 2. útgáfa.

Formáli

Skjölín í þessu riti eru íslenskir þjóðarviðaukar við evrópska þolhönnunarstaðla (Icelandic National Annexes to Eurocodes) sem gefnir hafa verið út sem íslenskir staðlar.

Þjóðarviðaukarnir eru gefnir út á ensku þar sem ekki er hægt að fá þolhönnunarstaðlana sjálfa á íslensku.

Við hönnun mannvirkja hérlendis skal því hér eftir aðeins nota evrópsku þolhönnunarstaðlana ásamt íslensku þjóðarviðaukunum. Kröfur byggingarreglugerðar teljast þá uppfylltar.

Með gildistöku þessara þjóðarviðauka við evrópsku þolhönnunarstaðlana falla úr gildi heimildir til að nota íslensku forstaðlana um þolhönnun (ENV) sem og heimildir til að nota aðra staðla við þolhönnun.

Öryggiskröfur sem settar eru fram í stöðlunum eru á ábyrgð viðkomandi stjórnvalda og geta verið breytilegar í aðildarlöndum CEN (evrópsku staðlasamtakanna).

Í þjóðarviðaukunum má m.a. finna:

- Tölugildi sem gilda hérlendis, ef nota á önnur gildi en koma fram í evrópsku þolhönnunarstöðlunum.
- Tilvísanir í ákveðna staðla eða leiðbeiningar eftir því sem við á.
- Leiðbeiningar um notkun þjóðarviðaukanna eftir því sem við á.

Í þjóðarviðaukunum er vísað í allar greinar sem heimilt er að gera sérstaka viðbót við, þó að í mörgum tilfellum sé aðeins vísað til að nota ákvæði viðkomandi staðals óbreytt.

Byggingarstaðlaráð sá um gerð þjóðarviðaukanna með stuðningi frá umhverfisráðuneytinu. Sérstakur stýrihópur sem skipaður var af umhverfisráðherra hafði yfirumsjón með gerð skjalanna.

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- Arngrímur Blöndahl, Byggingarstaðlaráð / Staðlaráð Íslands
- Dr. Hafsteinn Pálsson, umhverfisráðuneyti / BSTR

Eftirtaldir aðilar styrktu verkefnið með fjárframlögum:

- Umhverfisráðuneytið
- Brunamálastofnun
- Framkvæmdasýsla ríkisins
- Fasteignir ríkissjóðs
- Vegagerðin

Foreword

This document contains the Icelandic National Annexes to the Eurocodes, that have been adopted as Icelandic Standards.

The National Annexes are published in English as the Eurocodes themselves are only available in English.

From now on, only the Eurocodes with their respective National Annexes shall be used for construction design in Iceland. The requirements of the Icelandic Building Regulation are then considered to be fulfilled.

With the adoption of these National Annexes to the Eurocodes, any permissions to use the Icelandic prestandards for construction design (ENVs) or other standards are withdrawn.

The safety requirements contained in the standards are the responsibility of the relevant authorities and can be different in different CEN member countries.

The National Annexes contain:

- Numerical values that apply in Iceland, if these are different from the values given in the Eurocodes.
- References to specific standards or guidelines, as appropriate.
- Guidance for the use of the National Annexes, as appropriate.

The National Annexes refer to all clauses where a special amendment is allowed, even if in many cases it has been decided not to amend the clause.

The Construction Sector Committee of Icelandic Standards (Byggingarstaðlaráð, BSTR) was responsible for developing the National Annexes with the financial support of the Ministry for Environment. A Steering Group appointed by the Minister supervised the development of the National Annexes.

The Steering Groups membership was as follows:

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- Jón Sigurjónsson, Innovation Center Iceland
- Níels Indriðason, Verkís engineering
- Dr. Bjarni Bessason, University of Iceland
- Dr. Eyjólfur Árni Rafnsson, Mannvit engineering.

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All Working Groups were assisted by:

- Arngrímur Blöndahl, Construction Sector Committee of Icelandic Standards
- Dr. Hafsteinn Pálsson, Ministry for Environment

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- Ministry for Environment
- Iceland Fire Authority
- The Government Construction Contracting Agency
- The Government Real Estate
- The Icelandic Road Administration

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ÍST EN 1990 EUROCODE 0
Basis of structural design

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National Annex to IST EN 1990:2002

EUROCODE: Basis of Structural Design

Preface

National choice is allowed in EN 1990 through clauses:

Annex 1

A1.1	A1.3.1(5)
A1.2.1(1)	A1.3.2(Table A1.3)
A1.2.2(Table A1.1)	A1.4.2(2)
A1.3.1(Tables A1.2(A) to (C))	

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- A2.1.1(1) NOTE 3	- A2.3.1 Table A2.4(B)
- A2.2.1(2) NOTE 1	- A2.3.1 Table A2.4 (C)
- A2.2.6(1) NOTE 1	- A2.3.2(1)
- A2.3.1(1)	- A2.3.2 Table A2.5 NOTE
- A2.3.1(5)	A2.4.1(1)
- A2.3.1(7)	NOTE 1 (Table A2.6)
- A2.3.1(8)	NOTE 2
- A2.3.1 Table A2.4(A) NOTES 1 and 2	- A2.4.1(2)

Clauses specific for road bridges

- A2.2.2 (1)	- A2.2.2(6)
- A2.2.2(3)	- A2.2.6(1) NOTE 2
- A2.2.2(4)	- A2.2.6(1) NOTE 3

Clauses specific for footbridges

- A2.2.3(2)	- A2.2.3(4)
- A2.2.3(3)	- A2.4.3.2(1)

Clauses specific for railway bridges

- A2.2.4(1)	- A2.4.4.2.3(2)
- A2.2.4(4)	- A2.4.4.2.3(3)
- A2.4.4.1(1) NOTE 3	- A2.4.4.2.4(2)-Table A2.8 NOTE
- A2.4.4.2.1(4)P	3
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- A2.4.4.2.2(3)P	- A2.4.4.3.2(6)
- A2.4.4.2.3(1)	

Furthermore, guidance can be given for the use of informative annexes.