



NSAI
Standards

Irish National Annex
I.S. EN 1997-1:2004/NA:2015

Irish National Annex to Eurocode 7: Geotechnical design - Part 1: General rules

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I.S. EN 1997-1:2004/NA:2015

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I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

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SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

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National Annex Foreword

National Annexes must always be used in conjunction with the relevant European Standard.

National Annexes are reviewed as necessary e.g. when a new edition, an amendment or a corrigendum is issued. This National Annex identifies what amendments/corrigenda are addressed. The user should check that the National Annex addresses the latest changes to the European Standard. Previews of all documents are available on www.standards.ie. Any questions should be directed to NSAI.

Where a European Standard has been changed (revised/amended/corrected) and the National Annex has yet to be revised to account for the change(s), the National Annex for the previous version is available. Engineering judgement must be applied if using guidance contained therein e.g. when selecting appropriate parameters.

The table below indicates which changes have been considered by the relevant National Committee during the life of this edition of the European Standard.

Publication	Date published	Assessed and taken into account if relevant
I.S. EN 1997-1:2004	2005-02-11	Yes
I.S. EN 1997-1:2004/AC:2009	2010-08-15	Yes
I.S. EN 1997-1:2004/A1:2013	2014-08-01	Yes

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Annex NA (informative)

Irish National Annex to I.S. EN 1997-1:2004+A1:2013, Eurocode 7: Geotechnical design - Part 1: General rules

Introduction

This National Annex has been prepared by the NSAI Eurocodes Consultative Committee, NSAI TC 015. In the Republic of Ireland it is to be used in conjunction with I.S. EN 1997-1:2004+A1:2013. I.S. EN 1997-1:2004+A1:2013 is intended to be used with I.S. EN 1990:2002+A1:2005, which establishes the principles and requirements for safety and serviceability, describes the basis of design and verification and gives guidance for related aspects of structural stability.

The decisions on Nationally Determined Parameters (NDPs) which were present in the previous edition remain unchanged. The technical changes between this revised National Annex and the previous edition are the inclusion of the NDPs which were introduced through A1:2013 to I.S. EN 1997-1:2004.

Layout changes in this revised National Annex include the addition of Annex NB. Annex NB contains the values or decisions on Nationally Determined Parameters (NDPs) for partial and correlation factors for ultimate limit state design. Table NA.1 in Annex NA contains the value or decision for NDPs from clauses in I.S. EN 1997-1:2004+A1:2013. Annex NB contains the value or decision for NDPs from clauses in Annex A of I.S. EN 1997-1:2004+A1:2013. Where a clause in Table NA.1 deals with partial and correlation factors for ultimate limit state design, the user will be guided to Annex NB.

NA.1 Scope

This National Annex gives:

- a) Irish decisions for the Nationally Determined Parameters described in the following subclauses of I.S. EN 1997-1:2004+A1:2013.

2.1(8) P	2.4.7.3.4.1(1) P	7.6.2.3(4) P	7.6.3.3(6)	8.5.2(5) P
2.4.6.1(4) P	2.4.7.4(3) P	7.6.2.3(5) P	8.4(6) P	8.5.3(1) P
2.4.6.2(2) P	2.4.7.5(2) P	7.6.2.3(8)	8.4(7) P	8.5.3(2) P
2.4.7.1(2) P	2.4.8(2)	7.6.2.4(4) P	8.5.1(1) P	8.5.3(3) P
2.4.7.1(3)	2.4.9(1) P	7.6.3.2(2) P	8.5.1(2) P	8.5.3(4) P
2.4.7.2(2) P	2.5(1)	7.6.3.2(5) P	8.5.2(1) P	8.6.2(2) P
2.4.7.3.2(3) P	7.6.2.2(8) P	7.6.3.3(3) P	8.5.2(2) P	8.6.2(3) P
2.4.7.3.3(2) P	7.6.2.2(14) P	7.6.3.3(4) P	8.5.2(3) P	11.5.1(1) P

And subclauses in Annex A of I.S. EN 1997-1:2004 + A1:2013 as outlined in NB.1:

- b) Irish decisions on the application of informative annexes.

Annex NB
(informative)

Partial and correlation factors for ultimate limit states

NB.1 Scope

This Annex gives Irish decisions for the Nationally Determined Parameters described in the following clauses and subclauses of Annex A of I.S. EN 1997-1:2004+A1:2013.

- A.2.1(P) — A.3.3.2 — A.4.1
- A.2.2(P) — A.3.3.3 — A.4.2
- A.3.1 — A.3.3.5 — A.5
- A.3.2 — A.3.3.6 — A.6
- A.3.3.1

NB.2 Clause A.2 Partial factors for equilibrium limit state (EQU) verification

NB.2.1 Subclause A.2(1)P Partial factors on actions (γ_F)

The values of the partial factors on actions should be the recommended values as established in Table A.1 of I.S. EN 1997-1:2004+A1:2013.

NB.2.2 Subclause A.2(2)P Partial factors for soil parameters (γ_M)

The values of the partial factors for soil parameters should be the recommended values as established in Table A.2 of I.S. EN 1997-1:2004+A1:2013.

NB.3 Clause A.3 Partial factors for structural (STR) and geotechnical (GEO) limit states verification

NB.3.1 Subclause A.3.1 Partial factors on actions (γ_F) or the effects of actions (γ_E)

The values of the partial factors should be the recommended values as established in Table A.3 of I.S. EN 1997-1:2004+A1:2013.

NB.3.2 Subclause A.3.2 Partial factors for soil parameters (γ_M)

The values of the partial factors should be the recommended values as established in Table A.4 of I.S. EN 1997-1:2004+A1:2013.

NB.3.3 Clause A.3.3 Partial resistance factors (γ_R)

NB.3.3.1 Subclause A.3.3.1 Partial resistance factors for spread foundations

The values of the partial factors should be the recommended values as established in Table A.5 of I.S. EN 1997-1:2004+A1:2013.

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