

# Eurocode 7 — Geotechnical design —

## Part 2: Ground investigation and testing

ICS 91.010.30; 93.020

## National foreword

This British Standard is the UK implementation of EN 1997-2:2007, incorporating corrigendum June 2010. It supersedes DD ENV 1997-2:2000 and DD ENV 1997-3:2000 which are withdrawn. It partially supersedes BS 5930:1999 and BS 1377-9:1990.

The start and finish of text introduced or altered by corrigendum is indicated in the text by tags. Text altered by CEN corrigendum June 2010 is indicated in the text by AC1 AC1.

The structural Eurocodes are divided into packages by grouping Eurocodes for each of the main materials: concrete, steel, composite concrete and steel, timber, masonry and aluminium; this is to enable a common date of withdrawal (DOW) for all the relevant parts that are needed for a particular design. The conflicting national standards will be withdrawn at the end of the coexistence period, after all the EN Eurocodes of a package are available.

Following publication of the EN, there is a period allowed for national calibration during which the National Annex is issued, followed by a coexistence period of a maximum three years. During the coexistence period Member States are encouraged to adapt their national provisions. At the end of this coexistence period, the conflicting parts of national standard(s) will be withdrawn.

In the UK, the primary corresponding national standard is:

— BS 5930:1999, *Code of practice for site investigations*

and based on this transition period, this standard will be withdrawn/revised on a date to be announced, but at the latest by March 2010.

For in-situ testing, the primary test method references in BS EN 1997-2:2007 are to new CEN/ISO standards and this will require the withdrawal of some sections of BS 1377-9:1990, *Methods of test for soils for civil engineering purposes* — In-situ tests, as well as parts of BS 5930:1999 as they are published.

For laboratory testing, many of the primary test method references in BS EN 1997-2:2007 are new CEN/ISO technical specifications. These will not be adopted in the UK and the standards below will continue to be the preferred standards.

— BS 1377-1:1990, *Methods of test for soils for civil engineering purposes – General requirements and sample preparation*

— BS 1377-2:1990, *Methods of test for soils for civil engineering purposes – Classification tests*

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### Amendments/corrigenda issued since publication

| Date            | Comments                                    |
|-----------------|---------------------------------------------|
| 31 October 2010 | Implementation of CEN corrigendum June 2010 |
|                 |                                             |
|                 |                                             |
|                 |                                             |

- BS 1377-3:1990, *Methods of test for soils for civil engineering purposes – Chemical and electro-chemical tests*
- BS 1377-4:1990, *Methods of test for soils for civil engineering purposes – Compaction-related tests*
- BS 1377-5:1990, *Methods of test for soils for civil engineering purposes – Compressibility, permeability and durability tests*
- BS 1377-6:1990, *Methods of test for soils for civil engineering purposes – Consolidation and permeability tests in hydraulic cells and with pore pressure measurement*
- BS 1377-7:1990, *Methods of test for soils for civil engineering purposes – Shear strength tests (total stress)*
- BS 1377-8:1990, *Methods of test for soils for civil engineering purposes – Shear strength tests (effective stress)*

Further guidance will be given in the National Annex to EN 1997-2.

The UK participation in its preparation was entrusted to Technical Committee B/526, Geotechnics.

A list of organizations represented on this committee can be obtained on request to its secretary.

Where a normative part of this EN allows for a choice to be made at the national level, the range and possible choice will be given in the normative text, and a note will qualify it as a Nationally Determined Parameter (NDP). NDPs can be a specific value for a factor, a specific level or class, a particular method or a particular application rule if several are proposed in the EN.

To enable EN 1997-2 to be used in the UK, the NDPs will be published in a National Annex, which will be made available by BSI in due course, after public consultation has taken place.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

**Compliance with a British Standard cannot confer immunity from legal obligations.**



English Version

## Eurocode 7 - Geotechnical design - Part 2: Ground investigation and testing

Eurocode 7 - Calcul géotechnique - Partie 2:  
Reconnaissance des terrains et essais

Eurocode 7 - Entwurf, Berechnung und Bemessung in der  
Geotechnik - Teil 2: Erkundung und Untersuchung des  
Baugrunds

This European Standard was approved by CEN on 12 June 2006.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

This European Standard exists 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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