December 2010

DIN EN 1998-1

ICS 91.010.30; 91.120.25

Supersedes
DIN EN 1998-1:2006-04;
together with
DIN EN 1998-5:2010-12,
supersedes
DIN 4149:2005-04

Eurocode 8: Design of structures for earthquake resistance – Part 1: General rules, seismic actions and rules for buildings (includes Corrigendum AC:2009) English translation of DIN EN 1998-1:2010-12

Eurocode 8: Auslegung von Bauwerken gegen Erdbeben –
Teil 1: Grundlagen, Erdbebeneinwirkungen und Regeln für Hochbauten
(enthält Berichtigung AC:2009)
Englische Übersetzung von DIN EN 1998-1:2010-12

Eurocode 8: Calcul des structures pour leur résistance aux séismes –
Partie 1: Règles générales, actions sismiques et règles pour les bâtiments
(Corrigendum AC:2009 inclus)
Traduction anglaise de DIN EN 1998-1:2010-12

Document comprises 233 pages

Translation by DIN-Sprachendienst.
In case of doubt, the German-language original shall be considered authoritative.

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A comma is used as the decimal marker.

National foreword

This standard has been prepared by Technical Committee CEN/TC 250 “Structural Eurocodes” (Secretariat: BSI, United Kingdom).

The responsible German body involved in its preparation was the *Normenausschuss Bauwesen* (Building and Civil Engineering Standards Committee), Working Committee NA 005-51-06 AA *Erdbeben; Sonderfragen (Sp CEN/TC 250/SC 8).*

This document includes Corrigendum EN 1998-1:2004/AC:2009, approved by CEN on 8 July 2009.

This European Standard is part of a series of standards dealing with structural design (Eurocodes) which are intended to be used as a “package”. In Guidance Paper L on the application and use of Eurocodes, issued by the EU Commission, reference is made to transitional periods for the introduction of the Eurocodes in the Member states. The transitional periods are given in the Foreword of this standard.

In Germany, this standard is to be applied in conjunction with the National Annex.

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

This standard including National Annex NA, together with DIN EN 1998-5:2010-12 and DIN EN 1998-5/NA:2009-09, supersedes DIN 4149:2005-04 relating to buildings in German earthquake zones.

The start and finish of text introduced or altered by amendment is indicated in the text by tags ▌AC〉 〈AC▐.

Amendments

This standard differs from DIN V ENV 1998-1-1:1997-06, DIN V ENV 1998-1-2:1997-06 and DIN V ENV 1998-1-3:1997-06 as follows:

a) the prestandards have been combined in this document and the prestandard status has been changed to that of a full standard;

b) the comments received from the national standards bodies of CEN have been taken into account and the text of the standard has been completely revised.

Compared with DIN EN 1998-1:2006-04 and DIN 4149:2005-04, the following corrections have been made:

a) the standard has been based on European design rules;

b) superseding notes have been corrected;

c) this standard is the consolidated version of the previous 2004 edition with Corrigendum AC:2009;

d) the standard has been editorially revised;

e) foundations, retaining structures and geotechnical aspects are specified in DIN EN 1998-5:2010-12.

Previous editions

DIN 4149: 2005-04

Previous editions

DIN 4149: 2005-04
DIN 4149-1: 1981-04
DIN 4149/A1: 1992-12
DIN EN 1998-1: 2006-04
DIN V ENV 1998-1-1: 1997-06
DIN V ENV 1998-1-2: 1997-06
DIN V ENV 1998-1-3: 1997-06

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 1998-1

December 2004

+ AC

July 2009

ICS 91.120.25

English version

Eurocode 8: Design of structures for earthquake resistance — Part 1: General rules, seismic actions and rules for buildings

Eurocode 8: Calcul des structures pour leur résistance aux séismes — Partie 1: Règles générales, actions sismiques et règles pour les bâtiments

Eurocode 8: Auslegung von Bauwerken gegen Erdbeben — Teil 1: Grundlagen, Erdbebeneinwirkungen und Regeln für Hochbauten

EN 1998-1:2004 was approved by CEN on 2004-04-23 and Amendment AC:2009 on 2009-07-08.

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

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