

Investigation and assessment of drain and sewer systems outside buildings - Part 2: Visual inspection coding system

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 13508-2:2003+A1:2011 sisaldab Euroopa standardi EN 13508-2:2003+A1:2011 ingliskeelset teksti.</p> <p>Standard on kinnitatud Eesti Standardikeskuse 31.05.2011 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 18.05.2011.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 13508-2:2003+A1:2011 consists of the English text of the European standard EN 13508-2:2003+A1:2011.</p> <p>This standard is ratified with the order of Estonian Centre for Standardisation dated 31.05.2011 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.</p> <p>Date of Availability of the European standard text 18.05.2011.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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English Version

Investigation and assessment of drain and sewer systems
outside buildings - Part 2: Visual inspection coding system

Investigation et évaluation des réseaux d'assainissement à
l'extérieur des bâtiments - Partie 2: Système de codage de
l'inspection visuelle

Untersuchung und Beurteilung Zustand von
Entwässerungssystemen außerhalb von Gebäuden - Teil 2:
Kodiersystem für die optische Inspektion

This European Standard was approved by CEN on 4 November 2002 and includes Corrigendum 1 issued by CEN on 21 March 2007 and Amendment 1 approved by CEN on 17 March 2011.

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-CENELEC Management Centre or to any CEN member.

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COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

This document (EN 13508-2:2003+A1:2011) has been prepared by Technical Committee CEN/TC 165 "Wastewater engineering", the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2011, and conflicting national standards shall be withdrawn at the latest by November 2011.

This document includes Corrigendum 1 issued by CEN on 21 March 2007 and Amendment 1 approved by CEN on 17 March 2011.

This document supersedes EN 13508-2:2003.

The start and finish of text introduced or altered by amendment is indicated in the text by tags $\boxed{A1}$ $\boxed{A1}$.

The modifications of the related CEN Corrigendum have been implemented at the appropriate places in the text and are indicated by the tags \boxed{AC} \boxed{AC} .

The Standard series EN 13508 "Condition of drain and sewer systems outside buildings" contains the following parts

- Part 1: General requirements
- Part 2: Visual inspection coding system

Other parts, dealing with other methods of inspection, can be added later.

In drafting this part of this European Standard account has been taken of other available standards, in particular EN 752 "Drain and sewer systems outside buildings"

To allow for the alteration of existing data and coding system software in accordance with this standard and training of inspection personnel, a transition period is granted until (DAV + 36 month) for the withdrawal of conflicting national standards and the application of this standard.

Where there are existing inspection programmes to meet legal requirements commenced before the publication of this standard, it is permitted to complete such programmes using the original coding system.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, 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.

Introduction

In producing this draft standard, existing national coding systems have been reviewed. To preserve the link with existing data, TC165/WG22 has tried to ensure that there is an equivalent code, or combination of codes, for every observation recorded in an existing national system. ^{A1} This will allow existing data to be transferred to the new coding system. ^{A1}

At present the amount of detail recorded varies between countries. The choice of features to be recorded and the extent of detail to be included is left to the employing authority.

Before the standard can be fully applied, extensive retraining of operators and modification of software will be necessary.

1 Scope

^{A1} This European Standard is applicable to the investigation and assessment of drain and sewer systems outside buildings. ^{A1}

^{A1} It is applicable to drain and sewer systems, which operate essentially under gravity, from the point where the wastewater leaves a building or roof drainage system, or enters a road gully, to the point where it is discharged into a treatment works or receiving water. ^{A1} Drains and sewers below buildings are included provided that they do not form part of the drainage system of the building.

This part of the European Standard specifies a coding system for the description of the internal condition of drains, sewers, manholes and inspection chambers identified through visual inspection. Where appropriate, it can also be used for pressure and vacuum systems in accordance with the requirements of the employing authority. ^{A1} Visual inspection of drain and sewer systems can be carried out as part of the investigation in order to undertake the assessment. ^{A1}

This part of the European Standard does not generally specify requirements for carrying out inspections.

2 Normative references

^{A1} The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies. ^{A1}

EN 476:1997, *General requirements for components used in discharge pipes, drains and sewers for gravity systems*

^{A1} EN 752:2008, *Drain and sewer systems outside buildings* ^{A1}

^{A1} EN 1085:2007, *Wastewater treatment — Vocabulary* ^{A1}

ISO 8601, *Data elements and interchange formats — Information interchange — Representation of dates and times*