

EN 14654-4:2021



NBN EN 14654-4:2021



Drain and sewer systems outside buildings - Management and control of activities - Part 4: Control of inputs from users

Valid from 25-02-2021

ICS: 93.030

EUROPEAN STANDARD

EN 14654-4

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2021

ICS 93.030

English Version

Drain and sewer systems outside buildings - Management and control of activities - Part 4: Control of inputs from users

Réseaux d'évacuation et d'assainissement à l'extérieur des bâtiments - Gestion et contrôle des activités opérationnelles - Partie 4: Contrôle des intrants des usagers

Entwässerungssysteme außerhalb von Gebäuden - Management und Überwachung von Maßnahmen - Teil 4: Kontrolle von Einleitungen der Nutzer

This European Standard was approved by CEN on 6 December 2020.

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.

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-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents

	Page
European foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 General.....	6
5 Integrated sewer system management planning	7
5.1 Introduction	7
5.2 Control of inputs from users	7
6 Preparation of the input control programme.....	7
6.1 Introduction	7
6.2 Review of the inputs control activities planning.....	7
6.3 Investigation	7
6.4 Assessment.....	9
6.5 Development of the programme.....	10
7 Preparation of the project specification.....	13
7.1 Introduction	13
7.2 Review of the project description and project objectives.....	13
7.3 Investigation	13
7.4 Assessment.....	13
7.5 Drafting the project specification.....	14
8 Implementation of projects.....	17
9 Measurement of conformity.....	18
9.1 Measurement methods	18
9.2 Non-conformities	18
9.3 Post project appraisal.....	18
10 Review of plan and programme.....	18
Annex A (normative) Impacts of inappropriate inputs from users	19
Annex B (informative) Criteria for assessment of generally inappropriate inputs.....	24
Bibliography.....	26

European foreword

This document (EN 14654-4:2021) 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 July 2021, and conflicting national standards shall be withdrawn at the latest by July 2021.

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

EN 14654 consists of the following parts, under the general title *Drain and sewer systems outside buildings — Management and control of activities*:

- *Part 1: General*;
- *Part 2: Rehabilitation*;
- *Part 3: Drain and sewer cleaning*;
- *Part 4: Control of inputs from users* (the present document).

Other parts, dealing with other activities, may be added later.

In drafting this part of EN 14654, account has been taken of other available standards, in particular EN 752, *Drain and sewer systems outside buildings* and EN 13508 *Investigation and assessment of drain and sewer systems outside buildings*.

According to the CEN-CENELEC Internal Regulations, the national standards organisations 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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

EN 14654-4:2021 (E)**1 Scope**

This document establishes requirements for the management and control of activities in drain and sewer systems outside buildings and specifies requirements for development and implementation of work programmes, and the selection of techniques.

This document together with EN 14654-1:2021 covers the control of inputs from users.

It is applicable to drain and sewer systems from the point where wastewater leaves a building, roof drainage system, or paved area, to the point where it is discharged into a wastewater treatment plant or receiving water body.

Drains and sewers below buildings are included provided that they do not form part of the drainage system of the building.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

EN 752:2017, *Drain and sewer systems outside buildings - Sewer system management*

EN 14654-1:2021, *Drain and sewer systems outside buildings - Management and control of operational activities - Part 1: General requirements*

EN 16323:2014, *Glossary of wastewater engineering terms*

EN 13508-2:2003+A1:2011, *Investigation and assessment of drain and sewer systems outside buildings – Part 2: Visual inspection coding system*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 16323:2014, EN 752:2017 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

NOTE Certain key definitions from EN 16323:2014 have been repeated below for clarity. The following additional terms used in this document are defined in EN 16323:2014:

- drain;
- sewer system;
- receiving water body;
- wastewater treatment plant;
- sewer.