

STN	Kanalizácia a kanalizačné systémy mimo budov Riadenie a kontrola činností Časť 3: Čistenie	STN EN 14654-3 75 6919
------------	---	--

Drain and sewer systems outside buildings - Management and control of activities - Part 3: Drain and sewer cleaning

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/21

Obsahuje: EN 14654-3:2021

Spolu s STN EN 14654-1 ruší
STN EN 14654-1 (75 6919) z novembra 2014

132575

EUROPEAN STANDARD

EN 14654-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2021

ICS 93.030

Supersedes EN 14654-1:2014

English Version

Drain and sewer systems outside buildings - Management and control of activities - Part 3: Drain and sewer cleaning

Réseaux d'évacuation et d'assainissement à l'extérieur des bâtiments - Gestion et contrôle des activités opérationnelles - Partie 3: Curage des branchements et des collecteurs

Entwässerungssysteme außerhalb von Gebäuden - Management und Überwachung von Maßnahmen - Teil 3: Kanalreinigung

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.

This European Standard was corrected and reissued by the CEN-CENELEC Management Centre on 03 February 2021.



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.....	4
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions	6
3.1 General.....	6
3.2 Deposits.....	7
3.3 Cleaning techniques.....	7
4 General.....	8
5 Integrated sewer system management planning	8
5.1 Introduction.....	8
5.2 Cleaning aims.....	8
6 Preparation of the cleaning programme	9
6.1 Introduction.....	9
6.2 Review of the cleaning activities planning.....	9
6.3 Investigation.....	9
6.4 Assessment.....	10
6.5 Development of the programme.....	11
7 Preparation of the project specification.....	12
7.1 Introduction.....	12
7.2 Review of the project description and project objectives.....	12
7.3 Investigation.....	12
7.4 Assessment.....	13
7.5 Drafting the project specification.....	13
7.6 Performance indicators.....	15
8 Implementation of projects.....	16
8.1 Introduction.....	16
8.2 Select cleaning method	16
8.3 Health and safety.....	17
8.4 Environmental impact.....	17
8.5 Cleaning report.....	18
9 Measurement of conformity.....	18
9.1 Measuring conformity with the project specification.....	18

9.2	Non-conformities	18
10	Review of plan and programme	19
	Annex A (informative) Example of cleaning report form	20
	Annex B (informative) Drain and sewer cleaning techniques	21
	Bibliography	24

EN 14654-3:2021 (E)**European foreword**

This document (EN 14654-3:2021) 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.

This document, together with EN 14654-1:2021 supersedes EN 14654-1:2014.

The changes to the text in this document are largely editorial and relate to the separation of the duplicated text.

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* (the present document)
- *Part 4: Control of inputs from users*

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 building* 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.

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 covers the management and control of drain and sewer cleaning.

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, *Drain and sewer systems outside buildings - Sewer system management*

EN 1829-1, *High pressure water jet machines - Safety requirements - Part 1: Machines*

EN 1829-2, *High-pressure water jet machines - Safety requirements - Part 2: Hoses, hose lines and connectors*

EN 13508-1:2012, *Investigation and assessment of drain and sewer systems outside buildings - Part 1: General Requirements*

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

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

koniec náhľadu – text ďalej pokračuje v platenej verzii STN