



SLOVENSKI STANDARD
SIST-TS CEN/TS 18041:2024

01-julij-2024

Hidrometrija - Sedimentacija - Meritve, potrebne za učinkovito upravljanje in nadzor sedimentov na rečnih strukturah

Hydrometry - Sedimentation - Measurements required for effective sediment management and control at river structures

Hydrometrie - Sedimentation - Erforderliche Messungen für effektives Sedimentmanagement und effektive Sedimentkontrollen an Flusstrukturen

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ICS:

17.120.20	Pretok v odprtih kanalih	Flow in open channels
93.140	Gradnja vodnih poti, pristanišč in nasipov	Construction of waterways, ports and dykes

SIST-TS CEN/TS 18041:2024

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TECHNICAL SPECIFICATION
SPÉCIFICATION TECHNIQUE
TECHNISCHE SPEZIFIKATION

CEN/TS 18041

May 2024

ICS 17.120.20; 93.140

English Version

**Hydrometry - Sedimentation - Measurements required for
effective sediment management and control at river
structures**

Hydrometrie - Sedimentation - Erforderliche
Messungen für effektives Sedimentmanagement und
effektive Sedimentkontrollen an Flussstrukturen

This Technical Specification (CEN/TS) was approved by CEN on 1 April 2024 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

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

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European foreword

This document (CEN/TS 18041:2024) has been prepared by Technical Committee CEN/TC 318 “Hydrometry”, the secretariat of which is held by BSI.

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CEN/TS 18041:2024 (E)

Introduction

The need for this document stems from the lack of concise guidance that is available on sediment management in watercourses. Previously, bespoke procedures for undertaking sediment management activities at discrete locations have been developed to address a specific local problem. These procedures usually required a data gathering exercise that delayed the implementation of the management plan. These procedures and the data that supported them, only addressed the issues at the individual local sites. There is, however, no generic or standardized approach to the routine collection of data and information that can be undertaken in advance of an application to manage sedimentation. This document will therefore help the user to build up a database of required measurements and other related information to support the sediment management plan.

It is envisaged that the users of this document will include government agencies that have legislative powers to manage the natural environment, individuals or organisations that wish to develop a river site by the construction of structure that will interfere with the natural sediment process in the water course, or owners of existing structures that wish to manage the sedimentation at the structure or remove the structure from the channel.

To assist the user in understanding the full range of issues that may require addressing, an example of the requirements of a sediment management plan is given in Annex A. This gives details of what issues had to be considered when a weir removal plan was developed for the River Rother in West Sussex in the UK.

To assist the user in devising the detail of a sediment management plan, Annex B is included, and shows a decision tree that will help put into context the detailed decisions required in deploying a management plan across a complex catchment with a number of sites where weirs could be removed.

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