

ICS 13.060.20; 91.140.60

English Version

Guidelines for water safety plan concept in buildings

Lignes directrices relatives au plan de gestion de la
sécurité sanitaire de l'eau dans les bâtiments

Leitfaden für die Umsetzung des Water Safety Plan
Konzeptes in Gebäuden

This Technical Report was approved by CEN on 24 January 2022. It has been drawn up by the Technical Committee CEN/TC 164.

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European foreword

This document (CEN/TR 17801:2022) has been prepared by Technical Committee CEN/TC 164 “Water supply”, the secretariat of which is held by AFNOR.

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Introduction

This document describes the elements and the procedure of the Water Safety Plan for potable water installations inside buildings and, for certain purposes, outside buildings but within the premises. The Water Safety Plan is a risk-based management approach, which aims to provide safe potable water at the point of consumption of the potable water installation. In order to achieve this goal, the Water Safety Plan includes a method for the analysis, evaluation and control of risks, which are described in this document as a combination of likelihood and severity of impact of hazard and hazardous events and which are present or may arise in the context of the use of potable water installations.

The Water Safety Plan described in this document is based on the principles of process-oriented risk management outlined in EN 15975-2 for potable water supply systems and it supports the European Union Recast Drinking Water Directive 2020/2184/EU [1].

1 Scope

This document describes a method for the analysis, evaluation and management of risks that exist or may arise from the use of potable water installations within buildings and, for certain purposes, outside buildings but within the premises. Water Safety Plans for potable water supply systems are excluded from the scope of this document.

The document is addressed to all organisations and other stakeholders which are responsible for providing potable water within a safe potable water installation inside buildings according to EN 806, EN 1717 and national regulations.

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 806-1, *Specifications for installations inside buildings conveying water for human consumption - Part 1: General*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 806-1 and the following apply.

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

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

3.1

Water Safety Plan

approach to ensure the safety of potable water through the use of a comprehensive risk assessment and risk management that encompasses all steps in water supply from catchment to consumer. For the purpose of this technical report, WSP is limited to potable water installations within buildings and, for certain purposes, outside buildings but within the premises

[SOURCE: EN 806-1, definition Figure 1]

3.2

likelihood of occurrence

chance of a hazardous event happening, whether defined, measured or determined objectively or subjectively, qualitatively or quantitatively, and described using general or mathematical terms (such as a probability or a frequency over a given time period)

3.3

building

structure that includes rooms, can be entered and serves the stay and residence of people, animals or the storage of things. It includes also structures intended for commercial and industrial uses

3.4

hazard

biological, chemical, physical or radiological agents in water, or condition (aerosol, steam, etc.) of water, with the potential to cause harm to public health

Note 1 to entry: Condition includes quantity.