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KRIISIJUHTIMISE JUHISED. OSA 2: RISKIJUHTIMINE

Security of drinking water supply - Guidelines for risk
and crisis management - Part 2: Risk management

EESTI STANDARDI EESSÕNA

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English Version

Security of drinking water supply - Guidelines for risk and crisis management - Part 2: Risk management

Sécurité de l'alimentation en eau potable - Lignes directrices pour la gestion des risques et des crises - Partie 2: Gestion des risques

Sicherheit der Trinkwasserversorgung - Leitlinien für das Risiko- und Krisenmanagement - Teil 2: Risikomanagement

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Contents

Page

Foreword.....	3
Introduction	4
1 Scope.....	5
2 Terms and definitions	5
3 Objectives and stakeholders' responsibility.....	6
4 Risk management approach.....	6
4.1 General	6
4.2 Interdisciplinary group for risk management approach.....	7
4.3 Drinking water supply system description	7
4.4 Identification of hazards and hazardous events.....	8
4.5 Risk assessment.....	8
4.5.1 General	8
4.5.2 Risk analysis	8
4.5.3 Risk evaluation.....	9
4.6 Risk control	10
4.6.1 General	10
4.6.2 Identification of risk control measures	10
4.6.3 Validation of risk control measures	10
4.6.4 Implementation of risk control measures	11
4.6.5 Operational monitoring of risk control measures.....	11
4.6.6 Corrective action.....	11
4.7 Verification of the risk management approach.....	11
4.8 Documentation.....	12
4.9 Review	12
Annex A (informative) Risk assessment matrix.....	13
Bibliography.....	14

Foreword

This document (EN 15975-2:2013) has been prepared by Technical Committee CEN/TC 164 "Water supply", the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by February 2014, and conflicting national standards shall be withdrawn at the latest by February 2014.

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

In crisis situations, which are difficult to forecast and, therefore, impossible to make complete provision for in risk management, appropriate crisis response management applies. Such situations are addressed in EN 15975-1.

This second part of guidelines for risk and crisis management describes a risk management approach for routine operations. This standard is complemented by Part 1 addressing crisis management procedures.

This is the second part of the European Standard "*Security of drinking water supply — Guidelines for risk and crisis management*" consisting of two parts as follows:

- *Part 1: Crisis management;*
- *Part 2: Risk management.*

The elaboration of this European Standard has been financially supported by the EC and the CIPS Program (Grant Agreement HOME/2009/CIPS/FP/CEN-002).

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Introduction

A risk management approach, which is focused on all the elements of the drinking water supply chain (protection of sources, water abstraction, transport, treatment, storage and distribution), will contribute to meeting the drinking water supplier's requirements to ensure the safe, reliable, sustainable, environmentally friendly and economical operation of its drinking water supply system in order to provide safe drinking water up to consumers' taps. This standard supports the holistic Water Safety Plans (WSP) approach of the World Health Organization (WHO) (see [2], [3]).

Across Europe, there are many different ways to organise drinking water supply. The responsibility for risk management may differ depending on legislation and the nature of the organisations involved (public or private). National legislation can impose definitions that differ from the ones defined in this standard. In this case, the necessary adaptations should be made in the application of this standard.

This document incorporates fundamental elements of the WHO Water Safety Plan approach. As it is based on risk management, the approach helps to prevent a potential impairment of supply. The goal of the approach is to support water suppliers to actively address safety issues in the context of routine water supply management and operations.

Implementing a risk management approach is of added value as it supports systematic evaluation of the drinking water supply system's setup, diligent performance of system management as well as identification and prioritisation of improvement and upgrade needs. Furthermore, it improves communication among stakeholders, particularly those who share responsibility for the water supply chain.

The overall drinking water risk management approach employs the more general principles of value analysis which can be applied across many fields of business activity. This approach helps reinforce the significance of drinking water supply risk management within the organization.

1 Scope

This European Standard describes the principles of a risk management approach to improve the integrity of the drinking water supply system.

This European Standard addresses all entities and stakeholders sharing responsibility in the provision of safe drinking water throughout the entire supply chain from the source to the point of use.

2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

2.1

drinking water supply system integrity

existence of drinking water supply system suitable to meet specified quality, quantity, continuity and pressure targets in accordance with legal/regulatory requirements and the drinking water supplier's objectives

2.2

hazard

biological, chemical, physical or radiological agent in, or condition of water, with the potential to cause harm to public health

Note 1 to entry: Condition includes quantity.

2.3

hazardous event

event that introduces hazards to, or fails to remove them from, the drinking water supply system

2.4

corrective action

action to eliminate the cause of a non-conformity (non-fulfilment of an operational target) and to prevent recurrence

2.5

risk control measure

any action and activity that can be used to prevent or eliminate a hazard or reduce it to an acceptable level

2.6

risk

combination of the likelihood of a hazardous event and the severity of consequences, if the hazard occurs in the drinking water supply system

2.7

failure

deviation from normal operating conditions characterised by its cause and the extent

2.8

validation

obtain evidence, assessment and approval of the capability of the current or proposed control measures

2.9

verification

routine confirmation, through the provision of objective evidence, that the drinking water supply system is delivering water in accordance with the set objectives and that the risk management approach is effective