

Environmental management - Environmental
technology verification (ETV) (ISO 14034:2016)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 14034:2018 sisaldab Euroopa standardi EN ISO 14034:2018 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 14034:2018 consists of the English text of the European standard EN ISO 14034:2018.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 03.10.2018.	Date of Availability of the European standard is 03.10.2018.
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English Version

**Environmental management - Environmental technology
verification (ETV) (ISO 14034:2016)**

Management environnemental - Vérification des
technologies environnementales (ETV) (ISO
14034:2016)

Umweltmanagement - Verifizierung von
Umwelttechnologien (ETV) (ISO 14034:2016)

This European Standard was approved by CEN on 8 January 2018.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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European foreword

The text of ISO 14034:2016 has been prepared by Technical Committee 207 "Environmental management" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 14034:2018 by Technical Committee CEN/SS S26 "Environmental management" the secretariat of which is held by CCMC.

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of an identical text or by endorsement, at the latest by April 2019, and conflicting national standards shall be withdrawn at the latest by April 2019.

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.

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Endorsement notice

The text of ISO 14034:2016 has been approved by CEN as EN ISO 14034:2018 without any modification.

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
3.1 Terms related to organization	1
3.2 Terms related to verification	2
3.3 Terms related to technology	2
3.4 Terms related to performance	3
4 General principles and requirements	4
4.1 Principles	4
4.1.1 General	4
4.1.2 Factual approach	4
4.1.3 Sustainability	4
4.1.4 Transparency and credibility	4
4.1.5 Flexibility	4
4.2 Requirements	4
5 Environmental technology verification	4
5.1 General	4
5.2 Application	5
5.2.1 Application requirements	5
5.2.2 Application review	6
5.3 Pre-verification	6
5.3.1 Specification of performance to be verified	6
5.3.2 Verification planning	6
5.4 Verification	7
5.4.1 General	7
5.4.2 Acceptance of existing test data	7
5.4.3 Generation of additional test data	7
5.4.4 Confirmation of performance	7
5.5 Reporting	8
5.5.1 Verification report	8
5.5.2 Verification statement	8
5.6 Post-verification	9
5.6.1 Publication	9
5.6.2 Validity of the verification report/verification statement	9
Annex A (informative) Relationship between ISO/IEC 17020:2012 and this document	10
Annex B (informative) Overview of environmental technology verification process	14
Annex C (informative) Guidance on the use of this document	16
Bibliography	25

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

The committee responsible for this document is Technical Committee ISO/TC 207, *Environmental management*, Subcommittee SC 4, *Environmental performance evaluation*.

In the development of this document, ISO Guide 82 has been taken into account in addressing sustainability issues.

Introduction

The objective of environmental technology verification (ETV) is to provide credible, reliable and independent verification of the performance of environmental technologies. An environmental technology is a technology that either results in an environmental added value or measures parameters that indicate an environmental impact. Such technologies have an increasingly important role in addressing environmental challenges and achieving sustainable development.

ETV contributes to protection and conservation of the environment by promoting and facilitating market uptake of innovative environmental technologies, especially those that perform better than relevant alternatives. ETV is particularly applicable to those environmental technologies whose innovative features or performance cannot be fully assessed using existing standards. Through the provision of objective evidence, ETV provides an independent and impartial confirmation of the performance of an environmental technology based on reliable test data. ETV aims to strengthen the credibility of new, innovative technologies by supporting informed decision-making among interested parties.

ETV was established in the United States in 1995, and similar programmes were later introduced in other countries, including Canada, several European Union member states, Japan, South Korea and the Philippines. The performance of many environmental technologies has since been verified in these countries under ETV programmes established at either the national or international level. Interest in joint, mutually recognized verifications performed under different ETV programmes has increased over the past decade. In 2008, the International Working Group on ETV (IWG-ETV), composed of international experts representing institutions operating an ETV scheme in Canada, the United States, Japan, South Korea, the Philippines and the European Union, was established with the aim of exploring ways to accelerate international harmonization and mutual recognition of ETV programmes. The IWG-ETV reached a consensus that standardization of the ETV process by means of an International Standard is an appropriate way to establish the credibility and robustness of ETV world-wide.

Environmental management — Environmental technology verification (ETV)

1 Scope

This document specifies principles, procedures and requirements for environmental technology verification (ETV).

2 Normative references

The following referenced documents are indispensable for the application 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.

ISO/IEC 17020:2012, *Conformity assessment — Requirements for the operation of various types of bodies performing inspection*

ISO/IEC 17025, *General requirements for the competence of testing and calibration laboratories*

3 Terms and definitions

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

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

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

3.1 Terms related to organization

3.1.1 organization

person or group of people that has its own functions with responsibilities, authorities and relationships to achieve its objectives

Note 1 to entry: The concept of organization includes, but is not limited to, sole-trader, company, corporation, firm, enterprise, authority, partnership, charity or institution, or part or combination thereof, whether incorporated or not, public or private.

[SOURCE: ISO 14001:2015, 3.1.4]

3.1.2 verifier

organization (3.1.1) that performs *environmental technology verification* (3.3.5)

3.1.3 test body

organization (3.1.1) providing an environment for testing, test-implementation and means for performing and reporting on the testing of an *environmental technology* (3.3.4)