

Energy audits - Part 5: Competence of energy auditors

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English version

Energy audits - Part 5: Competence of energy auditors

Audits énergétiques - Partie 5 : Compétence des auditeurs
énergétiques

Energieaudits - Teil 5: Kompetenz von Energieauditoren

This European Standard was approved by CEN on 19 March 2015.

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Foreword

This document (EN 16247-5:2015) has been prepared by Technical Committee CEN/CLC/JWG 1 "Energy audits", the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by November 2015, and conflicting national standards shall be withdrawn at the latest by November 2015.

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.

This document has been prepared under a mandate given to CEN and CENELEC by the European Commission and the European Free Trade Association.

This European Standard is part of the series EN 16247, *Energy audits*, which comprises the following:

- *Part 1: General requirements;*
- *Part 2: Buildings;*
- *Part 3: Processes;*
- *Part 4: Transport;*
- *Part 5: Competence of energy auditors* [the present document].

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Introduction

An energy audit is an important step for an organization, whatever its size or type, wanting to improve its energy efficiency, reduce its energy consumption and bring related economic and/or environmental benefits. Confidence in the energy audit process and the ability to achieve its objectives depends on the competence of the energy auditor.

This European Standard specifies the competence that the energy auditor needs in order to effectively implement the requirements of EN 16247-1, which may be supplemented by the sector specific parts EN 16247-2, EN 16247-3 or EN 16247-4.

This European standard seeks to harmonize training, skills and experience needed by the energy auditor(s) to bring adequate quality to energy auditing services. Competence applies to an individual but would also apply to a team or group of auditors where a wide range of skills is needed. Where the energy auditor is not an individual, a member of the energy auditing team needs to be nominated as lead energy auditor.

The energy auditor's skills, experience and attributes are personal. However larger sites, installations and more complex organizations may need the skills of a variety of technical experts working together. If an energy audit team is appointed, it should be composed of a lead auditor and technical experts, as necessary, to meet the technical competence requirements. The energy audit team approach does not dilute the need for all of the individual attributes noted in the following clauses.

The requirements included in this standard should enable the energy auditor to understand the organization's aims, needs and expectations concerning the energy audit.

1 Scope

This European Standard specifies the competence requirements of the energy auditor.

This European Standard can be used to specify energy auditor qualification schemes at a national level; used by organizations undertaking energy audits to appoint a suitably competent energy auditor and used by organizations, in conjunction with EN 16247-1, EN 16247-2, EN 16247-3 and EN 16247-4, to ensure a good level of quality of the energy audits.

This European Standard also recognizes that all the competence required can reside in the energy auditor or a team of energy auditors.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 16247-1:2012, *Energy audits — Part 1: General requirements*

EN 16247-2, *Energy audits — Part 2: Buildings*

EN 16247-3, *Energy audits — Part 3: Processes*

EN 16247-4, *Energy audits — Part 4: Transport*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 16247-1:2012 and the following apply.

3.1

training

process to develop knowledge, skills and personal attributes to meet energy auditor competence requirements

3.2

skill

ability to apply knowledge to complete tasks and solve problems

3.3

experience

actual performance or observation conducted in the work environment resulting in the acquisition of knowledge and skills

3.4

competence

demonstrated personal attributes and ability to apply knowledge and skills

4 Personal attributes

4.1 General

A clear understanding between the organization and the energy auditor is critical for the success of the assignment. Effective communication maximizes understanding, creates confidence and minimizes risks.

The energy auditor shall have good communication skills. This includes moderation and presentation skills.