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Minimum requirements for energy audit¹

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Amended by the following acts

Reception	Publication	Entry into force
30.06.2020	RT I, 07.07.2020, 4	01.08.2020
16.11.2020	RT I, 20.11.2020, 2	23.11.2020

The regulation is established on the basis of subsection 5 of § 27 of the Energy Management Act .

Chapter 1 General provisions

§ 1. Scope of the Regulation

This regulation establishes minimum requirements for energy audits, energy audits carried out within the framework of an energy management system, energy audit reports, the reporting obligations of the person carrying out the energy audit, energy audit activities, as well as the conduct of a simplified energy audit and its reports.

§ 2. Term

In this Regulation, the term "efficiency measure" refers to a product and activity that is expected to increase the energy efficiency of a large undertaking. An efficiency measure may be the installation, configuration, automation of a device or system or the provision of general recommendations to change consumption patterns.

§ 3. Notification obligation of the person conducting the energy audit

(1) Before commencing the audit, the person conducting the energy audit must submit to the client a written confirmation in a reproducible form that he or she complies with the requirements provided for in subsection 2 of § 27 of the Energy Management Act.

(2) The person conducting the energy audit must immediately inform the client of any circumstances that may affect his or her independence in conducting the audit.

(3) If the person conducting the energy audit lacks the competence to conduct the energy audit in any respect, he or she must immediately inform the client thereof.

(4) The requirements provided for in subsections 1–2 of this section shall not apply if the energy audit is carried out by a person specified in subsection 3 of § 27 of the Energy Management Act.

Chapter 2 Minimum requirements for an energy audit and its report

§ 4. Requirements for energy audits

(1) When explaining the economic impact of an efficiency measure proposed in an energy audit, the life-cycle cost calculation method, which takes into account long-term savings, the residual value of long-term investments and the discount rate, must be preferred to the payback period calculation method.

(2) When conducting an energy audit, preference shall be given to data based on up-to-date, measured and monitored operational data on energy consumption and, in the case of electricity, load profiles.

§ 5. Energy audit activities

(1) During the collection of source data for the energy audit, the following shall be mapped monthly for at least one year and, if possible, for a longer period of time:

- 1) energy use in terms of electricity, thermal energy, gas, liquid fuel and solid fuel;
- 2) energy production in terms of different types of energy;
- 3) production and use of renewable energy.

(2) During the energy audit analysis:

- 1) an energy balance is prepared for the different types of energy in the company;
- 2) an assessment is made of the current state of energy use and production;
- 3) a baseline scenario for energy use and production is determined, which expresses the situation if no efficiency measures were implemented;
- 4) alternative development scenarios for energy use and production are determined;

- 5) an assessment of the energy saving potential of the development scenarios for energy use and production is performed;
- 6) a comparison of the development scenarios for energy use and production is carried out, as a result of which the priority and feasibility of these scenarios are determined.

(3) When assessing the energy saving potential of an alternative energy use and production development scenario, the following shall be determined:

- 1) the activities and measures necessary for implementation;
- 2) the estimated cost of implementation;
- 3) the estimated energy savings;
- 4) the estimated carbon dioxide reduction;
- 5) the estimated impact on the revenues and expenses of a large undertaking;
- 6) economic profitability;
- 7) risks and threats;
- 8) feasibility analysis and recommendations for implementation.

§ 6. Energy audit report

(1) The energy audit report consists of the following parts:

- 1) title page;
- 2) foreword;
- 3) overview of the large enterprise's field of activity;
- 4) a brief description of the activities that have the greatest impact on energy consumption in the large enterprise's economic activities;
- 5) overview of the measurements performed;
- 6) overview of the results of the energy audit;
- 7) appendices.

(2) The preface to the energy audit report shall set out:

- 1) the purpose of preparing the energy audit;
- 2) the origin of the basic data for the energy audit;
- 3) an overview of the principles for carrying out the measurements;
- 4) the names of the experts involved;
- 5) an explanation of whether the prices presented in the energy audit report include or exclude VAT.

(3) The overview of the field of activity of a large enterprise shall present:

- 1) the field of activity according to the first-level letter code of the Estonian Classification of Economic Activities (EMTAK 2008);
- 2) a brief description of the activity;
- 3) number of employees;
- 4) annual turnover;
- 5) total annual balance sheet volume.

(4) A brief description of the activities that have the greatest impact on energy consumption in the economic activities of a large undertaking shall include:

- 1) the activities and their scale for which the most energy is consumed in the economic activities of the undertaking;
- 2) the types of energy consumed.

(5) The overview of the measurements performed shall contain at least the data specified in subsection 5(1) of this Regulation.

(6) The overview of the results of the energy audit contains at least the data specified in subsections 5 (2) and (3) of this Regulation.

(7) The following data and calculations shall be provided in the annexes to the energy audit report:

- 1) technical data of the measuring instruments used;
- 2) consumption data provided by the person commissioning the energy audit;
- 3) other important extracts used in conducting the energy audit.

(8) At the request of the client, proposals for employee training, information, motivation, transformation of habits and practices, attention management and management of new areas of the energy monitoring process are prepared as an annex to the report during the energy audit.

§ 7. Requirements for the preparation of an energy audit report

(1) The energy audit report must be readable, free of contradictions, understandable to a specialist and unambiguous.

(2) The assessment of the current state of energy use and production, the analysis of development scenarios, the recommended development scenario and other general recommendations presented in the energy audit report must be understandable to a person without specific knowledge in the relevant field.

(3) The title page of the energy audit report shall contain the following:

- 1) the work number;
- 2) the title of the work;
- 3) the name and address of the large enterprise that is the subject of the energy audit;
- 4) the name, contact details, and registry code of the person preparing the energy audit report;
- 5) the signature of the person preparing the energy audit report and the time of signing;
- 6) the name, signature, and contact details of the client.

(4) The following information shall be entered on each page of the energy audit report:

- 1) work number;
- 2) title of the work;

- 3) name and address of the major undertaking;
4) page number.

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(4) The energy audit report shall be signed first by the competent person who conducted the energy audit and then by the undertaking.

[RT I, 07.07.2020, 4 - entry into force 01.08.2020]

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(4) In the case specified in subsection 2 of § 28 of the Energy Management Act, only a large undertaking shall sign the energy audit report.

[RT I, 07.07.2020, 4 - entry into force 01.08.2020]

(5) In accordance with subsection 7 of § 27 of the Energy Management Act, a large undertaking has the right to request confidentiality of the energy audit report by completing and signing the confidentiality declaration at the end of the simplified energy audit report.

§ 8. Specification of the format of the energy audit report submitted to the supervisory authority

[Repealed - RT I, 07.07.2020, 4 - entry into force 01.08.2020]

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§ 8 Submission of energy audit data

In accordance with subsection 28 (1) of the Energy Management Act, a large enterprise or a competent person who has carried out an energy audit shall enter the energy audit data provided for in Regulation No. 5 of the Minister of Economic Affairs and Infrastructure of 19 March 2020 "Statutes of the Consumer Protection and Technical Regulatory Authority Supervision Information System" into the technical supervision information system specified in subsection 12 (1) of the Equipment Safety Act.

[RT I, 07.07.2020, 4 - entry into force 01.08.2020]

§ 9. Retention of energy audit data

The Consumer Protection and Technical Regulatory Authority shall retain energy audit-related data for future analysis and monitoring of results for 10 years or until the data is transferred to the archive in accordance with the procedure provided for in the Archives Act.

[RT I, 20.11.2020, 2 - entry into force 23.11.2020]

Chapter 3

Conducting an energy audit using a simplified procedure

§ 10. Conducting a simplified energy audit

[Repealed - RT I, 07.07.2020, 4 - entry into force 01.08.2020]

§ 11. Requirements for the preparation of a simplified energy audit report

[Repealed - RT I, 07.07.2020, 4 - entry into force 01.08.2020]

Chapter 4

Application settings

§ 12. Deadline for conducting an energy audit under simplified procedure

[Repealed - RT I, 07.07.2020, 4 - entry into force 01.08.2020]

§ 13. Entry into force of the Regulation

Sections 6, 7 and 8 of this Regulation shall enter into force four months after the publication of this Regulation in the State Gazette.

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Directive 2012/27/EU of the European Parliament and of the Council on energy efficiency, amending Directives 2009/125/EC and 2010/30/EU and repealing Directives 2004/8/EC and 2006/32/EC (OJ L 315, 14.11.2012, pp. 1–56).

Appendix Simplified Energy Audit Report Form