



Image: TÜV Rheinland

Up-to-date information on ISO 50001 and ISO 50003

Published in October 2014, the ISO 50003 standard specifies requirements on the certification centers with reference to auditing and certification of energy management systems (EnMS) based on ISO 50001:2018. It replaces the previous regulations for the accreditation of certification centers, 71 SD 6 022 in this area.

CHANGE IN ENERGY MANAGEMENT

As of October 2017, companies with an energy management system certified according to **ISO 50001** are obligated to ensure and demonstrate continuous improvement of energy efficiency from the first audit. This provides for accurate measurement of energy related services as well as solid control of continuous improvements, the pillars of a successful audit.

3 Changes

on the basis of ISO 50001 certification

Proof of corresponding auditor skills for technical areas

New calculation targets for determining the period of the audit

Ensuring an improvement of energy efficiency



TECHNICAL AREAS AND AUDITORS

So-called technical areas have been defined, into which the companies will be assigned. The auditors must be able to demonstrate corresponding skills for the respective technical areas. Under certain circumstances, this could result in the need for some companies to change auditors.

CALCULATION TARGETS FOR THE AUDITING PERIOD

ISO 50003 contains new calculation targets for determining the period of the audit. Companies must now specify the number of so-called EnMS effective personnel. These include senior management, energy management officers, the energy management team as well as, in principle, every person with a significant influence on EnMS. Moreover, the number of significant energy users (SEUs) must be submitted for the calculation. These specifications are to be used from receipt of the accreditation certificate, for all initial certifications, and for recertification audits. Changes to the audit period may be necessary when compared to previous calculation specifications.

IMPROVEMENT OF ENERGY PERFORMANCE

Another “important change” requires companies to clearly present their energy performance for examination at all initial certification and recertification processes in order to be awarded a certificate. Results of the certification decision are disclosed directly to the certification center. ISO 50003 puts even more focus on the improvement of energy performance.

AN OVERVIEW OF OTHER RELEVANT STANDARDS.

To help you familiarize yourself with the new requirements, we recommend you take a look at these standards:

- **ISO 50004:** Guidance for the implementation, maintenance and improvement of an energy management system
- **ISO 50006:** Measuring energy performance using energy baselines (EnB) and energy performance indicators (EnPI)
- **ISO 50015:** Measurement and verification of energy performance of organizations – General principles and guidance.

**OUR EXPERTS ARE HAPPY TO ANSWER ANY FURTHER QUESTIONS YOU MAY HAVE.
PLEASE GET IN TOUCH WITH US!**

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