

European Standardization on Energy Management and Energy Efficiency

In the last years, there has been an increase in legislative, standardization and other initiatives in relation to energy management and, more particularly energy efficiency. Regarding European Standardization, the principle of a coordinated and transversal approach in the field of energy management and energy efficiency is at the origin of the creation of joint strategic structures between CEN and CENELEC from 2002 onwards.

In 2002, the CEN/CENELEC BT JWG "Energy Management" was created in order to identify main standardization priority items dealing with energy management. In its final report published in 2005, the JWG defined a series of priority subjects. Since then CEN and CENELEC have developed standards in relation to many of these priorities.

The publication of EN 16001 on Energy Management Systems (2009) was followed by the publication of a Technical Report on terminology and EN 15900 on energy efficiency services (2010). CEN and CENELEC are currently developing standards on energy audits under Mandate M/479 from the European Commission, energy efficiency benchmarking, energy saving calculations and a calculation methodology for energy consumption GHG emissions in transport.

CEN and CENELEC created an advisory and strategic body in 2006, the **CEN/CENELEC Sector Forum Energy Management (SFEM)**, in order to foster exchange of information between experts, investigate standardization needs related to EU energy legislation, policy targets and market developments and to provide to regulators and market players with the necessary standards in a timely manner. It also facilitates coordination and provides guidance on energy efficiency to CEN and CENELEC Technical Committees. The Sector Forum is responsible for organising a wide network of experts from a variety of sectors (gas, petroleum, electricity, services, industry, transport, buildings...) coming from 18 different European countries and relevant European organisations.

Published European Standards and Technical Reports

EN 16001:2009 Energy Management systems – requirements with guidance for use *(to be withdrawn following the adoption by CEN and CENELEC of ISO 50001 as a European Standard)*

EN 15900:2010 Energy efficiency services – definitions and requirements

CEN/CLC TR 16103:2010 Energy management and Energy efficiency - Glossary of terms

European Standards under development

prEN 16212 Energy Efficiency and Savings Calculation, Top-down and Bottom-up Methods *(publication expected: Oct 2012)*

prEN 16231 Energy efficiency benchmarking methodology *(publication expected: Oct 2012)*

prEN 16258 Methodology for calculation and declaration on energy consumptions and GHG emissions in transport services (goods and passengers transport) *(publication expected: Dec 2012)*

prEN 16247-1 Energy audits – Part 1: General requirements *(publication expected: 2013)*

prEN 16247-2 Energy audits – Part 2: Buildings *(publication expected: 2013-2014)*

prEN 16247-3 Energy audits – Part 3: Processes *(publication expected: 2013-2014)*

prEN 16247-4 Energy audits – Part 4: Transportation *(publication expected: 2013-2014)*

prEN 16325 Guarantees of Origin related to energy - Guarantees of Origin for Electricity *(publication expected: 2013)*

CEN/CLC TR xxx White certificates *(publication expected: 2013)*

Contact: SFEM@cencenelec.eu