



EUROPEAN COMMISSION
ENERGY AND TRANSPORT DIRECTORATE-GENERAL

New and Renewable Sources of Energy, Energy Efficiency & Innovation
Energy efficiency of products & Intelligent Energy - Europe

Brussels, 17th December 2008
M/439 EN

Mandate to CEN, CENELEC and ETSI for Standardisation in the field of standby and off modes power consumption measurement for energy using products (EuPs)

1. BACKGROUND

1.1 Legal Basis of the mandate

This mandate relates to Directive 2005/32/EC of the European Parliament and of the Council, to Council Directive 92/75/EEC, and to measures implementing these Directives for which a Harmonised Standard should be developed to cover essential requirements.

1.2 The aim of the Mandate

The Regulatory Committee established by Directive 2005/32/EC has endorsed a Draft Commission Regulation implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for standby and off-mode electric power consumption of electrical and electronic household and office equipment. The draft regulation requires that the measurement procedure for establishing the power consumption of standby and off mode shall be reliable, accurate and reproducible and takes into account the generally recognised state of the art, in order to ensure comparable measurements and fair competition, and to facilitate market surveillance activities.

The aim of this mandate is to create a harmonised standard which covers this requirement.

2. DESCRIPTION OF THE MANDATED WORK

The Commission requests CEN, CENELEC and ETSI to elaborate a reliable, accurate and reproducible standard, which takes into account the generally recognised state of the art, and/or adopt or adapt existing European and International standards for EuPs meeting these requirements, laying down procedures and methods of measuring the consumption of electric power of EuPs. The standard has to include at least electrical and electronic household and office equipment in stand-by and in off mode, and, if appropriate, in operating conditions with characteristics similar to those of standby and/or off mode.

The standardisation tasks covered by this mandate are as follows.

Procedures and methods for measuring power consumption in standby and off-modes, or low power operating conditions with similar characteristics, where the product is not fulfilling its main function:

to ensure that the prospective harmonised standard provides accurate, reliable and reproducible procedures and methods, which take into account the generally recognised state of the art, to measure, at least, the power consumption required for the conformity assessment and market surveillance activities pursuant to the Draft Commission Regulation implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for standby and off-mode electric power consumption of electrical and electronic household and office equipment

to ensure that the prospective harmonised standard specifies, where appropriate, measurement procedures and methods different from those specified in EN 62301:2005, in particular for the case when the power is not stable (cyclic or unstable)

to ensure that procedures and methods for measuring power consumption in standby and off mode identify and control the sources of measurement variability

Verification procedure for market surveillance purposes:

To ensure that the prospective harmonised standard states and controls the sources of variability to be considered for market surveillance purposes.

To provide values for measurement uncertainties for the purposes of the verification procedure for the power consumption of standby and off mode of energy using products taking into account the different sources of variability to be considered when a specific product is taken from the market and measured for market surveillance purposes.

To ensure the verification procedure is as uncomplicated and easily reproducible as possible.

To verify if, in order to reduce the impact of variability to the system, the standard(s) should include specific criteria to be met by laboratories involved in the verification of the declared data (e.g. quality management system, qualification system, personnel training...).

Template for test report:

to define a template for a test report indicating the information to be declared by the manufacturers to fulfil at least the ecodesign requirements set out by Draft Commission Regulation implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for standby and off-mode electric power consumption of electrical and electronic household and office equipment, including the characteristics of equipment related to the requirements on the availability of standby/off

mode and power management, and in particular the technical justification, if applicable, that those requirements are inappropriate for the intended use of equipment

4. EXECUTION OF THE MANDATE

CEN, CENELEC and ETSI are requested to communicate to the Commission, within 2 month of the acceptance of this mandate, a work plan for the execution of the above mentioned standardisation tasks, indicating the standard(s) requiring revision or amendment, and the new standard(s) that would need to be developed, if any.

CEN, CENELEC and ETSI are requested to communicate to the Commission after 7 months from the acceptance of this mandate an interim report on the progress of the tasks set out in this mandate, indicating any eventual difficulties encountered and communicating details of any Standard(s) that has been taken into consideration and modified to answer to the needs of the Mandate.

CEN, CENELEC and ETSI are requested to provide, in the three working languages of the ESOs, a copy of the standards developed under this mandate within 12 months of the acceptance of the mandate.

CEN, CENELEC and ETSI are requested to forward the titles of the standards developed or adapted under this mandate in all the official languages of the European Union.

CEN, CENELEC and ETSI are requested to draw up the work plan and execute the above mentioned tasks in close cooperation in order to ensure consistency and avoid overlapping standards.

Wherever possible the tasks should be executed within the framework of the Vienna and Dresden Agreements with a view to duly take into consideration the activities already done or in process at international level.

CEN, CENELEC and ETSI are requested to indicate the relationship between the clauses of the standard and the essential requirements covered.

Acceptance by CEN, CENELEC and ETSI, as applicable, of this mandate starts the standstill period referred to in Article 7 of the Directive 98/34/EC of 22 June 1998 (Of N° L 204/37 of 21 July 1998).

5. BODIES TO BE ASSOCIATED

As appropriate, CEN, CENELEC and ETSI will invite the representative organisations of consumers' interests (ANEC), environmental protection (ECOS), workers (ETUI-REHS) and small and medium-size enterprises (NORMAPME) to take part in the standardisation work.