



**EUROPEAN COMMISSION**  
DIRECTORATE-GENERAL FOR ENERGY

Directorate C - New and renewable sources of energy, Energy efficiency & Innovation  
**C.3 - Energy efficiency of products & Intelligent Energy – Europe**

Brussels, 7th May 2010  
**M/458 EN**

**Mandate to CEN, CENELEC and ETSI for Standardisation in the field of household washing machines**

**1. BACKGROUND**

**1.1 Legal Basis of the mandate**

This mandate relates to Directive 2009/125/EC<sup>1</sup> 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(s) should be developed to cover essential requirements.

**1.2 The aim of the Mandate**

The Regulatory Committee established by Directive 2005/32/EC and Directive 92/75/EEC 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 household washing machines' and a 'Draft Commission Directive implementing Council Directive 92/75/EEC with regard to energy labelling of household washing machines'. The draft Regulation and draft Directive require that the measurement procedure for establishing the energy consumption and other parameters of washing machines 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 European standard(s) which covers this requirement.

**2. DESCRIPTION OF THE MANDATED WORK**

The Commission requests CEN, CENELEC and ETSI to elaborate a reliable, accurate and reproducible European standard(s), which takes into account the generally recognised state of the art, and/or adopt or adapt existing European and International standards for household washing machines, laying down procedures and methods of measuring the energy consumption, water consumption, washing efficiency, spin-drying efficiency, programme duration, maximum spin speed, airborne acoustical noise, and product specific low power modes where the appliance is not fulfilling its main function

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<sup>1</sup> Former Directive 2005/32/EC

of household washing machines. The standard(s) has also to include the necessary definitions of the parameters to be measured.

The standardisation tasks covered by this mandate are as follows.

1. Procedures and methods for measuring the energy and water consumption, washing and rinsing efficiency, spin-drying efficiency, programme time, spin speed, airborne acoustical noise emissions product specific low power modes, left-on mode duration of household washing machines:

- to ensure that the prospective harmonised standard(s) provides, where appropriate, revised and/or new definitions for at least the appliances and parameters included in the ‘Draft Commission Regulation implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for household washing machines’ and in the ‘Draft Commission Directive implementing Council Directive 92/75/EEC with regard to energy labelling of household washing machines’, including product specific low power modes (off-mode and left-on-mode) where the product is not fulfilling its main function and different from those covered by 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(s) provides procedures and methods to measure at least the energy consumption, water consumption, washing efficiency, spin-drying efficiency, programme time and maximum spin speed of washing machines as included in the ‘Draft Commission Regulation implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for household washing machines’ and in the ‘Draft Commission Directive implementing Council Directive 92/75/EEC with regard to energy labelling of household washing machines’;
- to ensure that the prospective harmonised standard(s) specifies procedures and methods for measuring the washing and the spinning cycle airborne acoustical noise emissions;
- to ensure that the prospective harmonised standard(s) provides procedures and methods to measure the power consumption and duration of the identified product specific low power modes where the product is not fulfilling its main function and different from those covered by 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(s) includes a procedure that avoids an appliance being programmed to recognize the test cycles, and reacting specifically to them;
- to ensure that the prospective harmonised standard(s) takes into account improved test conditions and test materials to better reflect the user behaviour and the state of the art at European and international level. In particular care shall be taken about the measurement of the parameters referred to above in the following conditions:

- standard cotton programmes at 60°C full load,
  - standard cotton programmes at 60°C partial load (where partial load means half of the rated capacity of the household washing machine),
  - standard cotton programmes at 40°C partial load;
- to ensure that the prospective harmonised standard(s) specifies procedures and methods for measuring the rinsing efficiency of household washing machines.
  - To ensure that the prospective harmonised standard(s) specifies that the rated capacity to be used for testing shall be the rated capacity of the 60°C and 40°C standard cotton programmes. If that rated capacity is not the same for each programme, the prospective harmonised standard(s) should specify what rules are applicable.

## 2. Accuracy of the prospective harmonised standard(s):

- to ensure that the prospective harmonised standard(s) identifies and controls the sources of variability, in particular for market surveillance purposes;
- to provide values for measurement uncertainties for the purposes of the verification procedure for the measured parameters 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.

## 3. 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 and labelling 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 household washing machines and by Draft Commission Directive implementing Council Directive 92/75/EC with regard to energy labelling of household washing machines.

## **3. 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 10 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 standard(s) developed under this mandate within **18 months** of

the acceptance of the mandate, except for the rinsing efficiency where the standard(s) should be developed within **30 months** of the acceptance of the mandate.

CEN, CENELEC and ETSI are requested to forward the titles of the standard(s) 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(s) 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).

#### **4. 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.