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ENTERPRISE AND INDUSTRY DIRECTORATE-GENERAL

Sustainable Growth and EU 2020
Sustainable Industrial Policy and Construction

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AMENDMENT No. 3 TO M/495
TECHNICAL UPDATE (ANNEX B OF M/495)

PRODUCT GROUPS:
ELECTRICAL LAMPS AND RELATED EQUIPMENT ¹
(EXCEPT PRODUCTS COVERED BY MANDATE M/485)

**DETAILS OF REQUEST TO CEN, CENELEC AND ETSI FOR STANDARDISATION IN THE
FIELD OF ELECTRICAL LAMPS RELATED EQUIPMENT UNDER COMMISSION
REGULATIONS 244/2009, 874/2012 AND 1194/2012**

1. BACKGROUND

1.1. Legal basis

Commission Regulation (EC) No 244/2009 of 18 March 2009 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for non-directional household lamps², amended by Commission Regulation (EC) No 859/2009 of 18 September 2009 as regards the ecodesign requirements on ultraviolet radiation of non-directional household lamps³

Commission Delegated Regulation (EU) No 874/2012 of 12 July 2012 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of electrical lamps and luminaires⁴

Commission Regulation (EU) No 1194/2012 of 12 December 2012 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for directional lamps, light emitting diode lamps and related equipment⁵

¹ These products are listed in Annex A of Mandate M/495 as "Non-Directional Household Lamps" and "Directional Lamps and Household Luminaires"

² OJ L 76, 24.3.2009 p 1.

³ OJ L 247, 19.9.2009, p 3.

⁴ OJ L258, 26.9.2012, p 1.

⁵ OJ L342, 14.12.2012, p 1.

1.2. The aim of the technical update

Commission Regulations N° 244/2009 and 1194/2012 set ecodesign requirements respectively for non-directional household lamps and for directional lamps, light emitting diode lamps and related equipment.

Commission Delegated Regulation N° 874/2012 sets energy labelling requirements for electrical lamps and luminaires.

Annex III to Commission Regulation N° 244/2009 exceptionally lists documents that are considered to be transitional measurement methods for the purposes of verifying compliance with the requirements of the Regulation. These references were meant to be replaced by references to harmonised standards when they become available. As Regulation 244/2009 covers to a large extent the same lamp technologies as Regulation 1194/2012, it is appropriate to update standardisation needs for the development of harmonised standards simultaneously for the two regulations.

These three regulations (referred to below as "the regulations") require that the measurement and calculation procedures for establishing energy performances and other environmental impacts shall be reliable, accurate and reproducible and take into account the generally recognised state of the art, in order to ensure comparable measurement and calculation procedures for the product types in the scope of the regulations and to facilitate market surveillance activities.

The aim of this technical update is to identify standardisation needs for harmonised standard(s) which cover(s) these requirements. The harmonised standard(s) shall incorporate relevant measurement and calculation methods, including measurement and calculation methods set out in Commission Communications which have been published for that purpose in the Official Journal of the European Union.

2. DESCRIPTION OF THE WORK

The Commission requests CEN, CENELEC and ETSI to elaborate (a) reliable, accurate and reproducible European standard(s), which take(s) into account the generally recognised state of the art, and/or to adopt or adapt existing European and international standards for electrical lamps and related equipment, laying down procedures and methods of measuring and calculating the parameters regulated in the regulations, as set out in Annex to this technical update to Annex B of Mandate M/495. The standard(s) ha(ve)s also to include the necessary definitions of the product types and of the parameters to be measured and/or calculated.

The standardisation tasks covered by this technical update are as follows.

Procedures and methods for measuring and calculating the parameters regulated in regulations 244/2009, 874/2012 and 1194/2012:

- (1) to ensure that the prospective harmonised standard(s) provide(s), where appropriate, revised and/or new definitions at least for the types and main characteristics of the products covered in the regulations, as set out in Annex;
- (2) to ensure that the prospective harmonised standard(s) provide(s) procedures and methods to verify, measure and calculate at least the aspects covered in the regulations, as set out in Annex;

- (3) to ensure that the prospective harmonised standard(s) provide a list of criteria (including on product information where appropriate) for each relevant product to be considered as compliant with state-of-the-art requirements for compatibility. Such requirements are not understood as resulting in full compatibility in all possible combinations and circumstances. They are supposed to target an optimal compromise between affordability, clarity and convenience to the users, and energy savings. Affordability should include not only the lamp or luminaire price, but also the cost of upgrading the electrical installation if necessary for the user. The mandate does not extend to the criteria for the compatibility of luminaires with lamps of different energy classes under Regulation 874/2012, which will be tackled in transitory measurement method documents published by the Commission in the Official Journal of the EU, outside the context of this mandate;
- (4) to ensure that the prospective harmonised standard(s) build(s) on existing standards by taking into account improved measurement and calculation methods and new appliance types to better reflect the user behaviour and the state of the art at European and international level;
- (5) to ensure that the overall tolerance(s) and measurement uncertainty(ies) of prospective harmonised standard(s) are in compliance with market surveillance verification procedure(s) defined in the regulations;

Verification procedure for market surveillance purposes:

- (1) to ensure that the prospective harmonised standard(s) identify(ies) and control(s) the sources of variability to be considered for market surveillance purposes;
- (2) 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) 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...).
- (4) to ensure that the tolerances set out in regulations are not being used by manufacturers to systematically place on the market products and/or put them into service that are not compliant with the requirements of the above-mentioned regulations or that systematically result in lower energy performance compared to what can be inferred by the energy efficiency class indicated on their energy label.

Template for test report:

- (1) to define a template for a test report indicating the information to be declared by the manufacturers to fulfil at least the eco-design and energy labelling requirements in the regulations.

3. EXECUTION OF THE WORK

CEN, CENELEC and ETSI are requested to communicate to the Commission, within 2 months of the reception of this technical update, 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, including the proposed timetable for the completion of the planned standard(s).

CEN, CENELEC and ETSI are requested to communicate to the Commission after 15 months from the reception of this technical update 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 execute this technical update according to the timetable to be agreed with the Commission in the work plan, but in any case not later than 36 months from the reception of the update.

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.