



Brussels, 30.11.2016  
C(2016) 7764 final

**COMMISSION IMPLEMENTING DECISION**

**of 30.11.2016**

**on a standardisation request to the European standardisation organisations as regards energy labelling of solid fuel boilers and packages of a solid fuel boiler, supplementary heaters, temperature controls and solar devices in support of Commission Delegated Regulation (EU) 2015/1187 and as regards ecodesign requirements for solid fuel boilers in support of Commission Regulation (EU) 2015/1189**

(Text with EEA relevance)

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(Text with EEA relevance)

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THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EU) No 1025/2012 of the European Parliament and of the Council of 25 October 2012 on European standardisation amending Council Directives 89/686/EEC and 93/15/EEC and Directives 94/9/EC, 94/25/EC, 95/16/EC, 97/23/EC, 98/34/EC, 2004/22/EC, 2007/23/EC, 2009/23/EC and 2009/105/EC of the European Parliament and of the Council and repealing Council Decision 87/95/EEC and Decision No 1673/2006/EC of the European Parliament and of the Council<sup>1</sup>, and in particular Article 10(1) thereof,

Whereas:

- (1) In accordance with Directive 2009/125/EC of the European Parliament and of the Council<sup>2</sup>, harmonised standards should be available to help manufacturers in applying the implementing measures adopted under that Directive.
- (2) The intention to request harmonised standards in support of Commission Delegated Regulation (EU) 2015/1187<sup>3</sup> and Commission Regulation (EU) 2015/1189<sup>4</sup> is stated in point 2.3 of the annual Union work programme for European standardisation<sup>5</sup>.
- (3) In accordance with Delegated Regulation (EU) 2015/1187 and Regulation (EU) 2015/1189 measurement and calculation procedures for energy performance and emissions should be reliable, accurate and reproducible and should take into account the generally recognised state of the art. This is to ensure comparable measurement

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<sup>1</sup> OJ L 316, 14.11.2012, p. 12.

<sup>2</sup> Directive 2009/125/EC of the European Parliament and of the Council of 21 October 2009 establishing a framework for the setting of ecodesign requirements for energy-related products (OJ L 285, 31.10.2009, p. 10).

<sup>3</sup> Commission Delegated Regulation (EU) 2015/1187 of 27 April 2015 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of solid fuel boilers and packages of a solid fuel boiler, supplementary heaters, temperature controls and solar devices (OJ L 193, 21.07.2015, p. 43).

<sup>4</sup> Commission Regulation (EU) 2015/1189 of 28 April 2015 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for solid fuel boilers (OJ L 193, 21.07.2015, p 100).

<sup>5</sup> COM(2014) 500 final of 30 July 2014.

and calculation procedures for the different types of products and to facilitate market surveillance activities.

- (4) In accordance with Delegated Regulation (EU) 2015/1187 and Regulation (EU) 2015/1189 the Commission should review in 2022, the potential inclusion in the future Regulations of solid fuel boilers with a rated heat output of 500-1000 kW, of non-woody biomass boilers and of a water heating efficiency class on the label for combination boilers. Those two product groups and the water heating efficiency are currently excluded from the scopes of Delegated Regulation (EU) 2015/1187 and Regulation (EU) 2015/1189 due to a lack of comparable data on their performance. In order to support timely implementation of the objectives it is appropriate to request the European Committee for Standardisation (CEN) to develop also European standards on measurement methods for those product groups and for water heating efficiency before the related ecodesign or energy labelling requirements are finally proposed. Requirements for such harmonised standards can be presented in a single request covering product groups regulated by Delegated Regulation (EU) 2015/1187 and Regulation (EU) 2015/1189 but allowing longer development time. In the absence of such European standards the Commission would need to seek after other technical specifications.
- (5) The Commission has established guidelines<sup>6</sup> for the execution of standardisation requests and the European standardisation organisations have agreed to apply those guidelines.
- (6) The European standardisation organisations, the European stakeholders' organisations receiving Union financing and the Member States have been consulted through the Ecodesign Consultation Forum established by Article 18 of Directive 2009/125/EC.
- (7) The European standardisation organisations have indicated that the work covered by the request falls within CEN's area of competence.
- (8) The measures provided for in this Decision are in accordance with the opinion of the Committee established by Article 22 of Regulation (EU) No 1025/2012.

HAS ADOPTED THIS DECISION:

*Article 1*  
***Requested standardisation activities***

CEN is requested to draft harmonised standards in support of the implementation of Delegated Regulation (EU) 2015/1187 and Regulation (EU) 2015/1189. The requested harmonised standards, as listed in Table 1 of Annex II, shall meet the requirements set out in Annex I.

*Article 2*  
***Establishment of the work programme***

CEN shall prepare the work programme indicating all requested deliverables, responsible technical bodies and a timetable for the execution of the work in line with the deadlines set out in Annex II. CEN shall submit the work programme to the Commission no later than four

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<sup>6</sup> SWD(2015) 205 final 27.10.2015, Vademecum on European standardisation in support of Union legislation and policies PART III Guidelines for the execution of standardisation requests.

months after the notification of this Decision by the Commission and provide it with access to an overall project plan.

CEN may decide how many harmonised standards are needed in order to execute the request referred to in Article 1.

### *Article 3*

#### ***Agreement on the work programme***

In its work programme CEN shall follow the possible priorities identified by the Commission for the execution of the request referred to in Article 1.

CEN shall inform the Commission of any amendments to the work programme.

New subjects for harmonised standards may be added to the work programme where Annex I includes requirements for such subjects and where the Commission has been consulted and agrees to such addition, after having informed the Committee established under Article 22 of Regulation (EU) No 1025/2012.

### *Article 4*

#### ***Reporting***

CEN shall report annually to the Commission on the execution of the request referred to in Article 1. It shall submit the first annual report to the Commission by 14 months after notification of this Decision by the Commission.

### *Article 5*

#### ***Harmonised standards***

CEN shall include in each harmonised standard a clear and precise description of the relationship between its content and the corresponding requirements of Delegated Regulation (EU) 2015/1187 and Regulation (EU) 2015/1189 that it aims to cover. For the harmonised standards listed in points 3, 4 and 5 in Table 1 of Annex II this information shall be included after the Commission has adopted the relevant Regulations and Delegated Regulations on ecodesign and energy labelling including the elements covered in those points.

Each harmonised standard developed on the basis of the request referred to in Article 1 shall refer to this Decision.

CEN shall include in each revised or amended harmonised standard information concerning significant changes that were introduced by it.

CEN shall provide the Commission with the titles of the requested harmonised standards in all the official languages of the Union. For the harmonised standards listed in points 3, 4 and 5 in Table 1 of Annex II these titles shall be provided after the Commission has adopted the relevant Regulations and Delegated Regulations on the ecodesign and energy labelling including the elements covered in those points.

### *Article 6*

#### ***Validity***

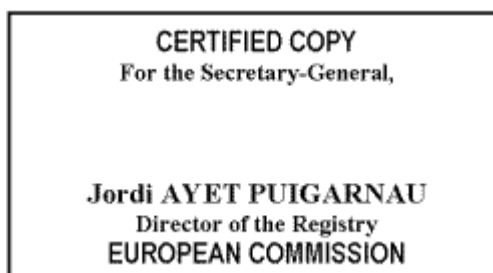
If CEN does not accept the request referred to in Article 1 within a month of receiving it, the request may not constitute a basis for the drafting of harmonised standards.

*Article 7*  
*Addressee*

This Decision is addressed to the European Committee for Standardisation.

Done at Brussels, 30.11.2016

*For the Commission*  
*Miguel ARIAS CAÑETE*  
*Member of the Commission*





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ANNEXES 1 to 2

## **ANNEXES**

**to the**

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## ANNEXES

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#### Annex I

#### Requirements for the harmonised standards

##### 1. GENERAL REQUIREMENTS

The harmonised standards must be based on reliable, accurate and reproducible procedures and methods that take into account the generally acknowledgeable state of the art.

The harmonised standards must include product design definitions and the main characteristics of the products. They must also include a description of the parameters to be measured or calculated so that reliable, accurate and reproducible results can be obtained.

Round robin or other testing methods may also be used if necessary to help determine the accuracy of certain methods used.

##### 2. REQUIREMENTS ON THE COVERAGE OF EFFICIENCY OF SOLID FUEL BOILERS

As provided for in Delegated Regulation (EU) 2015/1187 and Regulation (EU) 2015/1189, the harmonised standards must cover the following aspects of the seasonal space heating efficiency ( $\eta_s$ ):

- (a) useful efficiency at rated heat output and at applicable part-load ( $\eta_n$  and  $\eta_p$ , respectively);
- (b) useful heat output at rated heat output and at applicable part-load ( $P_n$  and  $P_p$ , respectively);
- (c) electrical efficiency at rated heat output for solid fuel cogeneration boilers ( $\eta_{el,n}$ );
- (d) electrical power requirement at maximum (i.e. rated) and at minimum (i.e. applicable part load) heat output ( $el_{max}$  and  $el_{min}$ , respectively);
- (e) standby mode power consumption ( $P_{SB}$ ).

The aspects listed in the first paragraph must be covered for all solid fuel boilers covered by Delegated Regulation (EU) 2015/1187 and Regulation (EU) 2015/1189, including solid fuel condensing boilers.

The harmonised standards must be based on existing standards for solid fuel boilers that lay down procedures and methods for measuring and calculating energy consumption.

The harmonised standards must also cover for test fuels:

- (a) the characteristics that significantly affect the efficiency of solid fuel boilers;
- (b) the range and/or reference value of the characteristics.

The harmonised standards must cover all test fuels referred to in Delegated Regulation (EU) 2015/1187 and Regulation (EU) 2015/1189 apart from ‘non-woody biomass’ and test fuels for which the designation starts with ‘other’. Ranges and reference values of the characteristics must be based on the real life characteristics of fuels.

### **3. REQUIREMENTS ON THE COVERAGE OF EMISSIONS OF SOLID FUEL BOILERS**

As provided for in Regulation (EU) 2015/1189, the following aspects must be covered by the harmonised standards:

- (a) seasonal space heating emissions of particulate matter, measured by a single gravimetric method excluding any particulate matter formed by organic gaseous compounds when flue gas is mixed with ambient air;
- (b) seasonal space heating emissions of carbon monoxide;
- (c) seasonal space heating emissions of organic gaseous compounds;
- (d) seasonal space heating emissions of nitrogen oxides.

The aspects listed in the first paragraph must be covered for all solid fuel boilers covered by Regulation (EU) 2015/1189, including solid fuel condensing boilers.

The harmonised standards must be based on existing standards for solid fuel boilers that lay down procedures and methods for measuring and calculating emissions of particulate matter, of carbon monoxide, of organic gaseous compounds and of nitrogen oxides.

The harmonised standards must also cover for test fuels:

- (a) the characteristics that significantly affect the emissions of solid fuel boilers;
- (b) the range and/or reference value of the characteristics.

The harmonised standards must cover all test fuels referred to in Regulation (EU) 2015/1189 apart from ‘non-woody biomass’ and test fuels for which the designation starts with ‘other’. Ranges and reference values of the characteristics must be based on the real life characteristics of fuels.

## **4. REQUIREMENTS CONCERNING STANDARDS ON PRODUCT GROUPS AND PARAMETERS OUTSIDE DELEGATED REGULATION (EU) 2015/1187 AND REGULATION (EU) 2015/1189**

### **4.1. Requirements on the coverage of solid fuel boilers with a rated heat output of 500-1000 kilowatt**

The harmonised standards must cover energy efficiency and pollutant emissions of solid fuel boilers with a rated heat output of 500 to 1 000 kilowatt with a view to supporting the adoption and application of potential future ecodesign requirements for solid fuel boilers. This is without prejudice to the scope and requirements of any future ecodesign regulations. There

is no requirement for the standards to cover solid fuel boilers covered by Directive (EU) 2015/2193 of the European Parliament and of the Council<sup>1</sup>.

If appropriate, measurement methods for efficiency and emissions can be based on full load operation and on on-site methods such as used for inspections of boilers.

#### **4.2. Requirements on the coverage of non-woody biomass boilers**

The harmonised standards must cover non-woody biomass boilers as defined in Regulation (EU) 2015/1189 with a view to supporting the adoption and application of potential future ecodesign requirements for such boilers. This is without prejudice to the scope and requirements of any future ecodesign regulations.

The harmonised standards must include such boilers' seasonal space heating efficiency and their specific types of significant pollutant emissions, including emissions of particulate matter, of carbon monoxide, of organic gaseous compounds and of nitrogen oxides. Also emissions of dioxins, of furans and of other types can be covered where relevant.

The harmonised standards must also cover for non-woody biomass test fuels:

- (a) the characteristics that significantly affect the emissions of non-woody biomass boilers;
- (b) the range and/or reference value of the characteristics.

Ranges and reference values of the characteristics must be based on the real life characteristics of fuels used in non-woody biomass boilers.

#### **4.3. Requirements on the coverage of water heating efficiency**

The harmonised standards must cover the water heating efficiency of solid fuel combination boilers with a view to supporting the inclusion of such parameter in potential future revision of energy labelling requirements for such boilers. This is without prejudice to the requirements of any future energy labelling regulations.

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<sup>1</sup> Directive (EU) 2015/2193 of the European Parliament and of the Council of 25 November 2015 on the limitation of emissions of certain pollutants into the air from medium combustion plants (OJ L 313, 28.11.2015, p. 1).

**Annex II**  
**Harmonised standards and deadlines for adoption**

**Table 1: Requested harmonised standards**

Reference information	Deadline for adoption <sup>2</sup>
1. Harmonised standard: <b>Efficiency of solid fuel boilers</b> Adaptation of standard EN 303-5:2012 or any other relevant standard.	03/2017
2. Harmonised standard: <b>Emissions of solid fuel boilers</b> Adaptation of standard EN 303-5:2012 or any other relevant standard.	12/2018
3. Harmonised standard <sup>3</sup> : <b>Solid fuel boilers of 500-1000 kW</b> New standard.	6/2021
4. Harmonised standard <sup>3</sup> : <b>Non-woody biomass boilers</b> Adaptation of standard EN 303-5:2012 or any other relevant standard.	6/2021
5. Harmonised standard <sup>4</sup> : <b>Water heating efficiency of solid fuel combination boilers</b> Adaptation of standard EN 303-5:2012, EN 13203-2:2015 or any other relevant standard.	6/2021

<sup>2</sup> 'Adoption' refers to the relevant European standardisation organisation making a standard available to its members or the public.

<sup>3</sup> For a product group outside the scope of Delegated Regulation (EU) 2015/1187 and Regulation (EU) 2015/1189.

<sup>4</sup> For a parameter outside the scope of Delegated Regulation (EU) 2015/1187 and Regulation (EU) 2015/1189.