

EUROPEAN COMMISSION Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs

Single Market Policy, Regulation and Implementation Standards for Growth

Brussels, 5.11.2015

A Notification under Article 12 of Regulation (EU) No 1025/2012¹

Subject matter related to

	Annual Union Work Programme for European standardisation (Art. 12, point a)
\boxtimes	Possible future standardisation requests to the European standardisation organisations
	(Art. 12, point b)
	Formal objections to harmonised standards (Art. 12, point c)
	Identifications of ICT technical specifications (Art. 12, point d)
	Delegated acts to modify Annexes I or III of Regulation (EU) No 1025/2012 (Art. 12,
	point e)

Title of the initiative

Draft standardisation request as regards ecodesign requirements for welding equipment

Additional information

Legislative reference(s)	Directive 2009/125/EC of the European Parliament and of the Council establishing a framework for the setting of ecodesign requirements for energy-related products
EN reference(s)	
Status	Draft
Other information	

Commission contact point for this notification

GROW-ECODESIGN@ec.europa.eu

¹ OJ L 316, 14.11.2012, p. 12



EUROPEAN COMMISSION

> Brussels, XXX [...](2015) XXX draft

COMMISSION IMPLEMENTING DECISION

of XXX

on a standardisation request to the European Committee for Standardisation and to the European Committee for Electrotechnical Standardisation in support of the implementation of Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for welding equipment

(Text with EEA relevance)

Only the English, French and German texts are authentic.

COMMISSION IMPLEMENTING DECISION

of XXX

on a standardisation request to the European Committee for Standardisation and to the European Committee for Electrotechnical Standardisation in support of the implementation of Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for welding equipment

(Text with EEA relevance)

Only the English, French and German texts are authentic.

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 Council¹, and in particular Article 10(1) thereof,

Whereas:

- (1) The Consultation Forum established under Article 18 of Directive 2009/125/EC, composed of a balanced participation of Member State representatives and all interested parties, including the European standardisation organisations, met on 6 May 2014 to discuss the Commission's plans for regulating the environmental and functional performance of welding equipment as part of the larger overall group of products considered under machine tools and related machinery. The Forum concluded that harmonised methods were lacking for the measurement of the environmental and functional performance of the products concerned, and that such methods should be first published in the form of harmonised standards. Comparable market data on their performance should then be collected by the Commission, with a view to establish the level of ecodesign requirements needed to improve their performance as foreseen by Directive 2009/125/EC.
- (2) To support a Commission regulation for welding equipment within the meaning of Article 16(1)(a) of Directive 2009/125/EC, it is necessary to be able to measure comparable data on their performance, and to ensure that such measurement methods take into account any international developments related to this product group, and therefore it is appropriate to request the European standardisation organisations to publish European standards with the necessary measurement methods before the related ecodesign regulation is adopted.

1

OJ L 316, 14.11.2012, p. 12.

- (3) Standardisation requests in support of Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements of energy-related products were included in point 2.3 of the annual Union work programme for European standardisation for 2015².
- (4) The Commission has established guidelines for the execution of standardisation requests and the European standardisation organisations have agreed to apply those guidelines when executing standardisation requests.
- (5) The European standardisation organisations, the European stakeholders organisations receiving Union financing and the Consultation Forum established under Article 18 of Directive 2009/125/EC have been consulted.
- (6) The European Committee for Standardisation (CEN), the European Committee for Electrotechnical Standardisation (Cenelec) and the European Telecommunications Standards Institute (ETSI) have indicated that the work covered by the request falls under the scope of CEN and Cenelec.
- (7) 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

The European Committee for Standardisation (CEN) and the European Committee for Electrotechnical Standardisation (Cenelec) are requested to draft, in support of the implementation of Directive 2009/125/EC of the European Parliament and of the Council, harmonised standards for the measurement and calculation of product parameters for welding equipment, set out in Table 1 of Annex II. Those harmonised standards shall meet the requirements set out in Annex I.

Article 2

Establishment of the work programme

CEN and Cenelec shall prepare the work programme indicating all the requested deliverables, the responsible technical bodies and a timetable for the execution of the work in line with the deadlines set out in Annex II. These organisations shall submit the work programme to the Commission no later than three months after the notification of this Decision by the Commission; and shall provide access to an overall project plan.

CEN and Cenelec may decide how many harmonised standards are needed for the measurement of the regulated product parameters in order to execute the request referred to in Article 1.

Article 3 Agreement on the work programme

In its work programme, CEN and Cenelec shall follow the priorities expressed by the Commission for the execution of the request referred to in Article 1.

COM(2014)500 final

2

CEN and Cenelec shall inform the Commission about 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, where the Commission has been consulted and agrees to that addition, after having informed the Committee established by Article 22 of Regulation (EU) No 1025/2012.

Article 4

Reporting

CEN and Cenelec shall report annually to the Commission on the execution of the request referred to in Article 1. These organisations shall submit to the Commission the first annual report 13 months after notification of this Decision by the Commission;

Article 5

Harmonised standards

After the Commission has adopted the relevant Commission Regulation concerning ecodesign requirements on welding equipment, CEN and Cenelec shall include in every harmonised standard a clear and precise indication with regard to the relationship between its content and the corresponding requirements of the regulation that it aims to cover. Every harmonised standard developed on the basis of the request referred to in Article 1 shall refer to this Decision.

CEN and Cenelec shall include, in every revised or amended harmonised standard, information concerning significant changes that have been introduced by it.

After the Commission has adopted the relevant Commission Regulation concerning ecodesign requirements on welding equipment, CEN and Cenelec shall provide to the Commission the titles of the requested harmonised standards in all the official languages of the Union.

Article 6

Validity

If this standardisation request is not accepted by CEN or Cenelec within one month following its receipt, that 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 and the European Committee for Electrotechnical Standardisation.

Done at Brussels,

For the Commission Elżbieta Bieńkowska Member of the Commission



EUROPEAN COMMISSION

> Brussels, XXX [...](2015) XXX draft

ANNEXES 1 to 2

ANNEXES

to the

COMMISSION IMPLEMENTING DECISION

on a standardisation request to the European Committee for Standardisation to the European Committee for Electrotechnical Standardisation in support of the implementation of Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for welding equipment

Annex I Requirements for the harmonised standards

1. GENERAL REQUIREMENTS

The measurement and calculation methods laid down in the requested harmonised standards shall be reliable, accurate and reproducible and shall take into account the generally recognised 'state of the art' measurement and calculation methods. These methods shall be laid down in new European standards for welding equipment, or in amended existing European standards, laying down procedures and methods for measuring and calculating the energy consumption and any related environmental inputs, outputs and emissions associated with this equipment.

The prospective standards also have to include the necessary definitions of the product types and of the parameters that are to be measured or calculated.

2. SPECIFIC REQUIREMENTS FOR THE HARMONISED STANDARDS

2.1. Tasks covered by this request

CEN and Cenelec are requested:

- 1. To indicate clearly in the work programme for harmonised standards which specific ecodesign-related product parameters (among the ones referred to in Section 2.2) are addressed by every specific standard;
- 2. To indicate in the work programme for harmonised standards those existing standards which are suitable, the existing standards which have to be revised and any new standards which have to be developed.

The harmonised standards shall incorporate relevant measurement and calculation methods in line with requirements given in section 2.2.

2.2. Requirements for harmonised standards on welding equipment

The objectives of standards for procedures and methods for measurements and calculations for welding equipment are:

- 1. To ensure that the harmonised standards provide, where appropriate, revised or new definitions for at least the types and main characteristics of welding equipment, taking into account, inter alia, the parameters and definitions contained in the reference documents referred to in Table 2 of Annex II;
- 2. To ensure that the harmonised standards provide procedures and methods to measure and calculate at least the following parameters:
 - a. the efficiency of three-phase direct current (DC) welding equipment in %;
 - b. the efficiency of single-phase direct current (DC) welding equipment in %;
 - c. the efficiency of alternating current (AC) welding equipment in %;
 - d. the idle state power consumption [in W].
- 3. To ensure that the harmonised standards stipulate appropriate test conditions and sensitivity and accuracy of measuring instruments, including:
 - a. stipulating appropriate test conditions and sensitivity and accuracy of

measuring instruments;

- b. parameters to define the suitability of the electricity supply system regarding measurement of the true Root Mean Square (r.m.s.) value of the supply current;
- c. parameters to define conventional welding conditions and conventional load voltages;
- d. power draw.
- 4. To ensure that the harmonised standards build on existing standards, by taking into account improved measurement and calculation methods and new or improved appliance types to better reflect the user behaviour and state of the art methods at European and international level;
- 5. To take in into account that the harmonised standards must primarily concentrate on the welding equipment which has been identified¹ as most relevant for inclusion in potential Ecodesign measures. However, the requested harmonised standards should cover also those equipment types referred to in point 6 below, which are provisionally excluded from the scope of relevant Commission Regulation concerning ecodesign requirements on welding equipment;
- 6. To cover specific welding equipment provisionally designated as excluded from the scope of relevant Commission Regulation on welding equipment:
 - a. Submerged Arc equipment (arc > 600A);
 - b. Welding equipment in the scope of EN 60974-6 (low duty cycle equipment designed primarily for domestic levels of use on an annual basis);
 - c. Resistance welding equipment;
 - d. Stud welding equipment.

2.3. Requirements for the verification procedure for market surveillance purposes

The objectives of standards for procedures and methods for measurements and calculations are:

- 1. To ensure that the harmonised standards identify and control the sources of variability that influence measurement uncertainties to be considered for market surveillance purposes;
- 2. To provide values for measurement uncertainties to characterise 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 define templates for test reports for welding equipment, indicating the information which is needed when declaring compliance with regulated or other parameters considered in a harmonised standard and as envisaged in Section 2.2 point 2, above.

¹See minutes of the Ecodesign Consultation Forum of 6 May 2014 and the Impact Assessment study

Annex II Harmonised standards and deadlines for adoption

Table 1 – Requested Harmonised standards for welding equipment

Reference information	Deadline for adoption ²
European standard(s) for the measurement, calculation of product parameters for welding equipment	20 months after notification of this Decision to CEN and Cenelec

2

[&]quot;Adoption' makes reference to the moment when the relevant European standardisation organisation makes a standard available to its members or to the public.

Table 2: Non-exhaustive list of reference documents

IEC 60038:2009, IEC standard voltages

IEC 60050-195:1998, International Electrotechnical Vocabulary (IEV) — Part 195: Earthing and protection against electric shock

IEC 60050-811:1991, International Electrotechnical Vocabulary — Chapter 811: Electric traction

IEC 60050-826:2004, International Electrotechnical Vocabulary — Part 826: Electrical installations

IEC 60076-12, Power transformers — Part 12:Loading guide for dry-type power transformers

IEC 60085, Electrical insulation — Thermal evaluation and designation

IEC 60204-1, Safety of machinery — Electrical equipment of machines —1: General requirements

IEC 60309-1, Plugs, socket-outlets and couplers for industrial purposes — 1: General requirements

IEC/TR 60755:2008, General requirements for residual current operated protective devices

IEC 60950-1, Information technology equipment — Safety — Part 1: General requirements

IEC 60974-6, Arc welding equipment — Part 6: Limited duty equipment

IEC 60974-9 Arc welding equipment — Part 9: Installation and use

IEC 60974-10, Arc welding equipment — Part 10: Electromagnetic compatibility (EMC) requirements

IEC 60974-12, Arc welding equipment — Part 12: Coupling devices for welding cables

IEC 61558-1, Safety of power transformers, power supplies, reactors and similar products — Part 1: General requirements and tests

IEC 62079, Preparation of instructions — Structuring, content and presentation

ISO 3864-1, Graphical symbols — Safety colours and safety signs — Part 1: Design principles for safety signs and safety markings

ISO 7000:2004, Graphical symbols for use on equipment — Index and synopsis

ISO 13732-1, Ergonomics of the thermal environment — Methods for the assessment of human responses to contact with surfaces — Part 1: Hot surfaces

ISO 17846, Welding and allied processes — Health and safety — Wordless precautionary labels for equipment and consumables used in arc welding and cutting

CSA C22.1, Canadian electrical code

HD 22.1 S4, Cables of rated voltages up to and including 450/750 V and having crosslinked insulation — Part 1: General requirements

HD 22.6 S2, Rubber Insulated Cables of Rated Voltages up to and Including 450/750 V — Part 6: Arc Welding Cables

NFPA 70, National Electrical code

US Code of Federal Regulations, Title 16: Commercial Practices — Parts 1407: Portable Generators:-Requirements to provide performance and technical data by labelling
