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To:	Ms Thérèse BLANCHET, Secretary-General of the Council of the European Union
No. Cion doc.:	C(2025) 3986 final
Subject:	COMMISSION DELEGATED REGULATION (EU) .../... of 1.7.2025 amending Commission Delegated Regulation (EU) 2023/2534 on household tumble dryers regarding information on repairability and clarifying some aspects of the measurement and calculation methods, the product information sheet, the technical documentation and the verification procedure

Delegations will find attached document C(2025) 3986 final.

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EUROPEAN
COMMISSION

Brussels, 1.7.2025
C(2025) 3986 final

COMMISSION DELEGATED REGULATION (EU) .../...

of 1.7.2025

**amending Commission Delegated Regulation (EU) 2023/2534 on household tumble
dryers regarding information on repairability and clarifying some aspects of the
measurement and calculation methods, the product information sheet, the technical
documentation and the verification procedure**

(Text with EEA relevance)

{SWD(2025) 167 final}

EXPLANATORY MEMORANDUM

1. CONTEXT OF THE DELEGATED ACT

Commission Delegated Regulation (EU) 2023/2534 ('Regulation 2023/2534') lays down harmonised requirements for the labelling of household tumble dryers and repeals Regulation (EU) N° 392/2012. It reflects the overall improvements on household tumble dryers by introducing a new energy-consumption scale from A to G, instead of the previous scale from A+++ to D. In order to implement this rescaling exercise, tumble dryers placed on the market between 1 March 2025 and 30 June 2025 shall be provided with both the previous scale label and the rescaled label. However as from 1 July 2025, only energy labels rating tumble dryers' energy efficiency on an A to G scale must be displayed in shops and online. Regulation 2023/2534 also specifies the content and format of the product information sheet and technical documentation and the relevant parameters to be entered in the European Product Registry for Energy Labelling (EPREL).

According to the impact assessment accompanying Commission Implementing Regulation (EU) 2023/2533 on ecodesign requirements for household tumble dryers¹, the average lifetime of household tumble dryers has decreased from 14 to 12 years over the last 15 years. In this respect, Article 7 of Regulation (EU) 2023/2534 requires the Commission to provide the Consultation Forum with a repairability score for household tumble dryers, which would be adopted via an amendment to the Regulation. Further assessing the repairability of household tumble dryers and informing consumers before purchase would generate several ecological, social and economic benefits. Those benefits have been examined in the Commission staff working document accompanying this Commission Delegated Regulation to amend the Regulation 2023/2534².

Regulation 2023/2534 is to be amended to include a repairability score (also referred to as the 'repairability index') to the rescaled label. In that vein also the product information sheet and the technical information are to be updated so as to include relevant information on repairability pursuant to the present Regulation.

The implementation of the repairability index generates obligations on suppliers to ensure that any household tumble dryer placed on the market as from 1 January 2027 is accompanied only by rescaled labels and product information sheets which include information on repairability pursuant to the present Regulation. To smooth the introduction of the repairability index and favour early voluntary implementation, suppliers may provide rescaled labels and product information sheets with the repairability information before that date, on a voluntary basis. However, tumble dryers placed on the market before 1 January 2027 can be

¹ Commission Staff Working Document Impact Assessment Report Accompanying the documents Commission Regulation (EU) 2023/2533 of 17 November 2023 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for household tumble dryers, amending Commission Regulation (EU) 2023/826, and repealing Commission Regulation (EU) No 932/2012, and Commission Delegated Regulation (EU) 2023/2534 of 13 July 2023 supplementing Regulation (EU) 2017/1369 of the European Parliament and of the Council with regard to energy labelling of household tumble dryers and repealing Commission Delegated Regulation (EU) No 392/2012.

² Commission Staff Working Document accompanying the document Commission Delegated Regulation (EU).../... [OP - please insert the number of this Regulation] amending Commission Delegated Regulation (EU) 2023/2534 on household tumble dryers regarding information on repairability and clarifying some aspects of the measurement and calculation methods, the product information sheet, the technical documentation and the verification procedure.

further distributed and sold without time limit if complying with the requirements of the rescaling exercise i.e. that they may not need be relabelled in order to include reparability information. This means that for a period of time starting from the date of application of the present Regulation and until dealers' existing stocks of tumble dryers placed on the market with rescaled labels without reparability information are exhausted, household tumble dryers both with and without reparability information could be found in the market.

In addition, it has emerged that, by requesting suppliers to declare a final moisture content of 0% for a load in the technical documentation, the Regulation could induce them to produce appliances that over-dry the laundry to levels below its natural water content. This could result in undesired effects such as excessive use of energy and possible damage to the textiles. The method of calculating the average final moisture content should therefore be deleted from Annex IV, so that the average final moisture content does not need to be included in the technical documentation. Instead, the measurement and calculation methods given in the relevant harmonised standards should be used to calculate the average final moisture content as these provide for appropriate tolerances.

Finally, tests for compliance with reparability information should only be performed on units belonging to the same model, and not equivalent models. This is because equivalent models could significantly differ with respect to constructive characteristics that are relevant for reparability, making them unsuitable for mutual comparison.

For the reasons explained above, the Commission proposes to amend Commission Delegated Regulation (EU) 2023/2534.

2. CONSULTATIONS PRIOR TO THE ADOPTION OF THE ACT

Pursuant to Article 14 of Regulation (EU) 2017/1369, the Ecodesign and Energy Labelling Consultation Forum was consulted at a meeting on 11 March 2024, in line with its rules of procedure. Members of the Forum were invited to submit comments in writing between 11 March and 3 May 2024. Stakeholders commented on several aspects, in particular the parameters to be included in the formula for calculating the reparability score, the spare parts to be considered, the criteria for awarding the different scores, the importance of reparability information for new models, and the deadlines and other arrangements for implementing the new label, including phasing out labels without a reparability score.

Comments put forward during this period by stakeholders and Member State representatives were examined and taken up where possible.

As the amendment proposed in the Regulation is considered to be minor and of a technical nature, no impact assessment has been undertaken. However, a staff working document assessing the impacts of the new measure was presented and received broad support at the above-mentioned Consultation Forum meeting. It accompanies this initiative.

The draft Commission Delegated Regulation and its Annex were published for feedback from 5 November to 3 December 2024.

During this period, 12 contributions were submitted. NGOs specialised on repair activities asked to include the spare parts price and the spare parts availability as criteria in the formula for the reparability score. Spare parts price would involve, in addition to the corresponding modification of the formula, that manufacturers declare a maximum price for the spare parts they place on the market and engage to respect that price. Spare parts availability, in turn, would reward making the spare parts available to consumers in addition to professional repairers as laid down in Regulation (EU) 2023/2533. NGOs also proposed to simplify the score on fasteners and tools, so that such score is based on the worst performing fastener

across all priority parts, instead of having a partial score for each part. The introduction of the abovementioned new criteria would result in the redistribution of the weights of the scoring parameters in the formula for the repairability index. Consumer organisations, in line with other NGOs, asked to include the availability of spare parts as scoring criterion, so that availability for a period longer than the mandatory 10 years is rewarded, and making spare parts and related information available to all consumers and not only to professional repairers. They also asked heat pumps to be included in the list of priority parts. Industry organisations, on their side, generally agreed with the draft Delegated Regulation, although they proposed some modifications. Industry requested specific guidance for the calculation of the disassembly depth, in particular regarding spare parts that are integrated with other components in a single bundle. This guidance should ideally be provided by means of a harmonised standard, or otherwise through a guidance document. The draft proposal should also clarify what is considered as a reasonable and proportionate fee. Industry also proposed modifications to the technical documentation, the product information sheet and the criteria for the purpose of verification of compliance.

The draft Delegated Regulation and the comments submitted by stakeholders during the feedback period were discussed with Member States at the Expert Group on Energy Labelling (E02854) on 12 March 2025. The Commission took note of Member States experts' comments in order to finalise the text of the draft Delegated Regulation.

3. LEGAL ELEMENTS OF THE DELEGATED ACT

Regulation (EU) 2023/2534 is amended as follows:

- Article 3 on obligations of suppliers is replaced to lay down obligations for suppliers relating to the label, the product database and the product information sheet further to the inclusion of repairability information.
- Article 4 on obligations of dealers is amended to lay down subsequent obligations for dealers in relation to products on display in points of sale. The amended version allows both formats of the rescaled labels, without and with repairability information.
- A new point is added to Article 7 on the review, mandating the Commission to assess whether the heat pump should be added to the list of spare parts to be taken into consideration in the calculation of the repairability index.
- Article 10 is amended to align with the new timeline for the implementation of the repairability information as laid down in Article 3.
- Annex I is amended to include the definitions related to the repairability information and a definition on the average final moisture content. The latter is intended to link the average final moisture content in this Regulation to the calculation of the average final moisture content set out in the relevant harmonised standards.
- Annex II is amended to include a table of correspondence between the repairability index and the repairability classes.
- Annex III is amended to delete obsolete references and to align it with the latest energy-labelling regulations, in particular the word 'logo', which is replaced by the word 'pictogram'; the reference to the 'EU Ecolabel' should also be deleted.
- A new Annex IIIa is added setting out the information and format of labels (for condenser and non-condenser household tumble dryers) which include information on repairability class.

- In Annex IV, the method for calculating the repairability index has been included. The method for calculating the average final moisture content and references to the latter are removed.
- Annex V is amended to adapt the existing reference to Article 3 to the amendments introduced in this Article by this Regulation. Also the product information fiche is to be corrected in order to ensure that the relevant data appear on the label. This is in line with the requirements established by most recent energy labelling Regulations. This change is already reflected in the product database, so it does not require any further action.
- A new Annex Va is added, setting out the new product information sheet with information on repairability.
- Annex VI is amended to update references to the legal text and clarify that the values in Table 5 only relate to the eco programme. Some editorial modifications have also been made.
- A new Annex VIa is added specifying what information related to repairability is to be part of the technical documentation.
- Annexes VII and VIII are amended to adapt the existing references to Article 3 to the changes introduced by this Regulation.
- Annex IX is amended to specify that, when the first test shows that a sample unit of a household tumble dryer model does not meet the repairability requirements, the next test should be carried out on another unit of the same model, instead of three units of the same or equivalent models as is the case for testing other requirements. In addition, some editorial changes have been made to avoid confusion between validity criteria and verification criteria.
- Annex X is amended to include relevant references to the additional Annexes to Regulation [2023/2534](#) inserted by the present Regulation.

COMMISSION DELEGATED REGULATION (EU) .../...

of 1.7.2025

amending Commission Delegated Regulation (EU) 2023/2534 on household tumble dryers regarding information on repairability and clarifying some aspects of the measurement and calculation methods, the product information sheet, the technical documentation and the verification procedure

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

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

Having regard to Regulation (EU) 2017/1369 of the European Parliament and of the Council of 4 July 2017 setting a framework for energy labelling and repealing Directive 2010/30/EU³, and in particular Article 16(1) thereof,

Whereas:

- (1) Commission Delegated Regulation (EU) 2023/2534⁴ lays down harmonised requirements for the labelling of household tumble dryers, enabling customers to make informed purchasing decisions based on the energy efficiency and supplementary information about the appliances. Article 3 of that Regulation also specifies the content and format of the product information sheet and technical documentation and requires suppliers to enter the relevant parameters in the European Product Registry for Energy Labelling (EPREL).
- (2) It is important to address the significant decrease in the lifespan of household tumble dryers over the last 15 years, which has prompted an increase in the rate of production to compensate for the shorter lifetime. Providing information on the repairability of tumble dryers through a repairability index could generate several environmental, social and economic benefits by encouraging consumers to choose more repairable products. The repairability index should be calculated on the basis of parameters that are relevant for assessing the ease of repair of a household tumble dryer.
- (3) As from 1 January 2027, any household tumble dryer placed on the market should be accompanied by a label and a product information sheet containing repairability information. In order to ensure a smooth introduction of the repairability index, suppliers could provide labels that include the repairability information in advance of the mandatory deadline of 1 January 2027, instead of labels without the repairability information.

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³ OJ L 198, 28.7.2017, p. 1, ELI: <http://data.europa.eu/eli/reg/2017/1369/oj>.

⁴ Commission Delegated Regulation (EU) 2023/2534 of 13 July 2023 supplementing Regulation (EU) 2017/1369 of the European Parliament and of the Council with regard to energy labelling of household tumble dryers and repealing Commission Delegated Regulation (EU) No 392/2012 (OJ L, 2023/2534, 22.11.2023, ELI: http://data.europa.eu/eli/reg_del/2023/2534/oj).

- (4) Since the implementation of a repairability index does not involve a rescaling of the label, dealers should be allowed, after 1 January 2027 to sell, without limitation of time household tumble dryers placed on the market before that date, with labels that do not include the repairability index.
- (5) In order to improve repairability of household tumble dryers, an additional element should be included in the review provided for by Article 7 of Regulation (EU) 2023/2534, namely the assessment of the possibility to include heat pumps among the priority parts taken into account when calculating the repairability index.
- (6) In order to ensure legal certainty relevant definitions regarding the repairability index and the average final moisture content should be added.
- (7) In order to help consumers to make informed choices about household tumble dryers degree of repair and maintenance, the relevant repairability class should be included in the energy labels for both condenser and non-condenser household tumble dryers, ranging from A to E, where the top class A corresponds to household tumble dryers with the best repairability indexes and the lower class E to household tumble dryers with the worst repairability indexes.
- (8) The term ‘logo’ should be replaced by ‘pictogram’ in the description of the label provided in Annex III, to be consistent with other delegated acts on energy labelling. Furthermore, the reference to the EU Ecolabel should be deleted from Annex III, since the EU Ecolabel is no longer awarded.
- (9) A method for the calculation of the repairability index of household tumble dryers, allowing to assign a repairability class to each model of household tumble dryers, should be defined.
- (10) The calculation of the repairability index should be carried out through a formula based on specific scoring parameters which have been considered relevant to determine the easiness of repair for each model of household tumble dryer. Those scoring parameters are the disassembly depth, the fasteners type, the tools type and the repair information.
- (11) Except for the repair information, which must be assessed at product level, the other three scoring parameters should be evaluated at the level of the part of the household tumble dryer to be replaced. For this reason, priority parts have been selected and included in the formula of each scoring parameter, with a weighted average reflecting the relevance of each priority part in terms of sales and failure rates.
- (12) The description of the disassembly steps used to calculate the disassembly depth scoring parameter, should be consistent with the repair and maintenance information to be provided to professional repairers.
- (13) It is appropriate to remove from the information to be provided in the technical documentation of the product, the details of the calculation method of the average final moisture content of the eco programme which were originally set in Annex IV, point 1(g) to Delegated Regulation 2023/2534. It has been noticed that obtaining 0% value in the average final moisture content is frequently accompanied by undesired negative side effects, in terms of textiles heat damage from over dry and excessive consumption of energy, which are to be avoided. Instead, the measurement and calculation methods provided for in the harmonised standards should be used to calculate this parameter as these provide for appropriate tolerances.

- (14) In order to ensure consumers informed choices and encourage sustainable consumption, information on the reparability index and the partial scores for each of the scoring parameters should be part of the product information sheet. To avoid unnecessary administrative burden for suppliers, only changes in the global score of the reparability index of a product should be deemed relevant for the definition of a new model. On the opposite, changes in the partial calculations of the scoring parameters that do not alter the global reparability index are deemed not relevant.
- (15) In order to avoid confusion for suppliers and market surveillance authorities, the content of the technical documentation including the relevant reparability information should be clarified
- (16) Delegated Regulation (EU) 2023/2534 should therefore be amended accordingly,
- HAS ADOPTED THIS REGULATION:

Article 1
Amending provisions

Delegated Regulation (EU) 2023/2534 is amended as follows:

- (1) Article 3 is amended as follows:
- (a) paragraph 1 is replaced by the following:
- ‘1. Suppliers shall ensure that:
- (a) from 1 March 2025 to 31 December 2026:
- (i) each household tumble dryer is supplied with a printed label in the format and containing the information set out in Annex III and, for a multi-drum household tumble dryer, in accordance with Annex X;
- (ii) the values for the parameters of the product information sheet, as set out in Annex V, are entered in the public part of the product database;
- (b) from 1 July 2025 to 31 December 2026:
- (i) the content of the technical documentation set out in Annex VI is entered in the product database;
- (ii) an electronic label in the format and containing the information as set out in Annex III is made available to dealers for each model of household tumble dryer;
- (iii) an electronic product information sheet as set out in Annex V is made available to dealers for each model of household tumble dryer;
- (iv) where specifically requested by the dealer, the product information sheet as set out in Annex V is made available in printed form;
- (c) from 1 January 2027:
- (i) each household tumble dryer is supplied with a printed label in the format and containing the information set

out in Annex IIIa and, for a multi-drum household tumble dryer, in accordance with Annex X;

- (ii) the values for the parameters of the product information sheet as set out in Annex Va are entered in the public part of the product database;
 - (iii) the content of the technical documentation set out in Annex VIa, except the information referred to in points 1(h) and 1(i) of that Annex, is entered in the product database;
 - (iv) an electronic label in the format and containing the information set out in Annex IIIa is made available to dealers for each model of household tumble dryer;
 - (v) an electronic product information sheet, as set out in Annex Va, is made available to dealers for each model of household tumble dryer;
 - (vi) where specifically requested by the dealer, the product information sheet as set out in Annex Va is made available in printed form;
- (d) from 1 July 2025:
- (i) any visual advertisement concerning a specific model of household tumble dryer gives the energy efficiency class and range of energy efficiency classes available on the label in accordance with Annexes VII and VIII;
 - (ii) any technical promotional material concerning a specific model of household tumble dryer, including technical promotional material on the internet, which describes its specific technical parameters, gives the energy efficiency class of that model and the range of energy efficiency classes available on the label, in accordance with Annex VII.’;

(b) the following paragraph 1a is inserted:

‘1a. By way of derogation from paragraph 1, points (a) and (b), during the period, from *[OP - please insert date of entry into force of this Regulation]* to 31 December 2026, suppliers may fulfil their obligations set out in paragraph 1, points (a) and (b) in the way set out in paragraph 1, point (c).’;

(2) in Article 4, point (a) is replaced by the following:

‘(a) each household tumble dryer, at the point of sale, including at trade fairs, bears the label provided by suppliers in accordance with Article 3(1), points (a)(i) or (c)(i), with the label being displayed for built-in appliances in such a way as to be clearly visible, and for all other appliances in such a way as to be clearly visible on the outside on the front or top of the household tumble dryer;’;

(3) Article 7 is amended as follows:

(a) paragraph 1 is replaced by the following:

‘The Commission shall review this Regulation in the light of technological progress and present the results of that review including, if appropriate, a draft proposal, to the Ecodesign Forum by 1 January 2030.

The review shall in particular assess the following elements:

- (a) the improvement potential with regard to the energy consumption, functional and environmental performance of household tumble dryers;
 - (b) the effectiveness of existing measures in prompting end-users to purchase appliances that are more energy- and resource-efficient and to use more energy- and resource-efficient programmes;
 - (c) the scope for addressing circular economy objectives;
 - (d) the appropriateness to include the heat pump in the list of priority parts for the purpose of calculating the repairability index.’;
- (b) paragraph 2 is deleted;
- (4) in Article 10, the second paragraph is replaced by the following:
‘It shall apply from 1 July 2025. However, Article 9 shall apply from 1 January 2024 and Article 3(1) and (1a) shall apply as set out therein.’;
- (5) Annexes I, II and III are amended in accordance with Annex I to this Regulation;
- (6) the text set out in Annex II to this Regulation, is inserted as Annex IIIa;
- (7) Annexes IV and V are amended in accordance with Annex III to this Regulation;
- (8) the text set out in Annex IV to this Regulation is inserted as Annex Va;
- (9) Annex VI is amended in accordance with Annex V to this Regulation;
- (10) the text set out in Annex VI to this Regulation is inserted as Annex VIa;
- (11) Annexes VII, VIII, IX and X are amended in accordance with Annex VII to this Regulation.

Article 2

Entry into force and application

This Regulation shall enter into force on the fourth day following that of its publication in the *Official Journal of the European Union*.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels, 1.7.2025

For the Commission
The President
Ursula VON DER LEYEN