

Commission Delegated Regulation (EU) No 1062/2010 of 28 September 2010 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of televisions (Text with EEA relevance)

COMMISSION DELEGATED REGULATION (EU) No 1062/2010

of 28 September 2010

supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of televisions

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

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

Having regard to Directive 2010/30/EU of the European Parliament and of the Council of 19 May 2010 on the indication by labelling and standard product information of the consumption of energy and other resources by energy-related products⁽¹⁾, and in particular Article 10 thereof,

Whereas:

- (1) Directive 2010/30/EU requires the Commission to adopt delegated acts as regards the labelling of energy related products representing significant potential for energy savings and having a wide disparity in performance levels with equivalent functionality.
- (2) The electricity used by televisions accounts for a significant share of total household electricity demand in the Union and televisions with equivalent functionality have a wide disparity in terms of energy efficiency. The energy efficiency of televisions can be significantly improved. Televisions should therefore be covered by requirements on energy labelling.
- (3) Harmonised provisions for indicating the energy efficiency and consumption of televisions by labelling and standard product information should be established in order to provide incentives for manufacturers to improve the energy efficiency of televisions, encourage end-users to purchase energy-efficient models, reduce the electricity consumption of these products, and contribute to the functioning of the internal market.
- (4) The combined effect of the provisions set out in this Regulation and in Commission Regulation (EC) No 642/2009 of 22 July 2009 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for televisions⁽²⁾ could amount to annual electricity savings of 43 TWh by 2020, compared to the situation if no measures were taken.
- (5) The information provided on the label should be obtained through reliable, accurate and reproducible measurement procedures that take into account the recognised state-of-the-art measurement methods including, where available, harmonised standards adopted by the European standardisation bodies, as listed in Annex I to Directive

Changes to legislation: There are outstanding changes not yet made to Commission Delegated Regulation (EU) No 1062/2010. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

98/34/EC of the European Parliament and of the Council of 22 June 1998 laying down a procedure for the provision of information in the field of technical standards and regulations and of rules on Information Society services⁽³⁾.

- (6) This Regulation should specify a uniform design and content for the label for televisions.
- (7) In addition, this Regulation should specify requirements as to the technical documentation and the fiche for televisions.
- (8) Moreover, this Regulation should specify requirements as to the information to be provided for any form of distance selling, advertisements and technical promotional material of televisions.
- (9) In order to encourage the manufacturing of energy efficient televisions suppliers wishing to place on the market televisions that can meet the requirements for higher energy efficiency classes should be allowed to provide labels showing those classes in advance of the date for mandatory display of such classes.
- (10) Provision should be made for a review of this Regulation taking into account technological progress,

HAS ADOPTED THIS REGULATION:

Article 1

Subject matter

This Regulation establishes requirements for the labelling and the provision of supplementary product information for televisions.

Article 2

Definitions

In addition to the definitions laid down in Article 2 of Directive 2010/30/EU, the following definitions shall apply:

- (1) ‘television’ means a television set or a television monitor;
- (2) ‘television set’ means a product designed primarily for the display and reception of audiovisual signals which is placed on the market under one model or system designation, and which consists of:
 - (a) a display;
 - (b) one or more tuner(s)/receiver(s) and optional additional functions for data storage and/or display such as digital versatile disc (DVD), hard disk drive (HDD) or videocassette recorder (VCR), either in a single unit combined with the display, or in one or more separate units;
- (3) ‘television monitor’ means a product designed to display on an integrated screen a video signal from a variety of sources, including television broadcast signals,

Changes to legislation: There are outstanding changes not yet made to Commission Delegated Regulation (EU) No 1062/2010. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

which optionally controls and reproduces audio signals from an external source device, which is linked through standardised video signal paths including cinch (component, composite), SCART, HDMI, and future wireless standards (but excluding non-standardised video signal paths like DVI and SDI), but cannot receive and process broadcast signals;

- (4) ‘on-mode’ means the condition where the television is connected to the mains power source and produces sound and picture;
- (5) ‘home-mode’ means the television setting which is recommended by the manufacturer for normal home use;
- (6) ‘standby-mode(s)’ means a condition where the equipment is connected to the mains power source, depends on energy input from the mains power source to function properly and offers the following functions *only*, which may persist for an indefinite time:
 - (a) reactivation function, or reactivation function and only an indication of enabled reactivation function; and/or
 - (b) information or status display;
- (7) ‘off-mode’ means a condition in which the equipment is connected to the mains power source and is not providing any function; the following shall also be considered as off-mode:
 - (a) conditions providing only an indication of off-mode condition;
 - (b) conditions providing only functionalities intended to ensure electromagnetic compatibility pursuant to Directive 2004/108/EC of the European Parliament and of the Council⁽⁴⁾;
- (8) ‘reactivation function’ means a function facilitating the activation of other modes, including on-mode, by remote switch including remote control, internal sensor, timer to a condition providing additional functions, including on-mode;
- (9) ‘information or status display’ means a continuous function providing information or indicating the status of the equipment on a display, including clocks;
- (10) ‘forced menu’ means a set of television settings, pre-defined by the manufacturer, of which the user of the television must select a particular setting upon initial start-up of the television;
- (11) ‘peak luminance ratio’ means the ratio of the peak luminance of the home-mode condition or of the on-mode condition of the television as set by the supplier, as applicable, and the peak luminance of the brightest on-mode condition;
- (12) ‘point of sale’ means a location where televisions are displayed or offered for sale, hire or hire purchase;
- (13) ‘end-user’ means a consumer buying or expected to buy a television.

Article 3

Responsibilities of suppliers

- 1 Suppliers shall ensure that:

Changes to legislation: There are outstanding changes not yet made to Commission Delegated Regulation (EU) No 1062/2010. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- a each television is supplied with a printed label in the format and containing information as set out in Annex V;
 - b a product fiche, as set out in Annex III, is made available;
 - c the technical documentation, as set out in Annex IV, is made available on request to the authorities of Member States and to the Commission;
 - d any advertisement for a specific television model contains the energy efficiency class, if the advertisement discloses energy-related or price information;
 - e any technical promotional material concerning a specific television model, which describes its specific technical parameters, includes the energy efficiency class of that model^{[F1];}
 - [F2f an electronic label in the format and containing the information set out in Annex V is made available to dealers for each television model placed on the market from 1 January 2015 with a new model identifier. It may also be made available to dealers for other television models;]
 - [F2g an electronic product fiche as set out in Annex III is made available to dealers for each television model placed on the market from 1 January 2015 with a new model identifier. It may also be made available to dealers for other television models.]
- 2 The energy efficiency classes shall be based on the Energy Efficiency Index calculated in accordance with Annex II.
- 3 The format of the label set out in Annex V shall be applied according to the following timetable:
- a for televisions placed on the market from 30 November 2011, labels for televisions with energy efficiency classes:
 - (i) A, B, C, D, E, F, G shall be in accordance with point 1 of Annex V or, where suppliers deem appropriate, with point 2 of that Annex;
 - (ii) A+ shall be in accordance with point 2 of Annex V;
 - (iii) A++ shall be in accordance with point 3 of Annex V;
 - (iv) A+++ shall be in accordance with point 4 of Annex V;
 - b for televisions placed on the market from 1 January 2014 with energy efficiency classes A+, A, B, C, D, E, F, labels shall be in accordance with point 2 of Annex V or, where suppliers deem appropriate, with point 3 of that Annex;
 - c for televisions placed on the market from 1 January 2017 with energy efficiency classes A++, A+, A, B, C, D, E, labels shall be in accordance with point 3 of Annex V or, where suppliers deem appropriate, with point 4 of that Annex;
 - d for televisions placed on the market from 1 January 2020 with energy efficiency classes A+++, A++, A+, A, B, C, D labels shall be in accordance with point 4 of Annex V.

Textual Amendments

- F1** Substituted by Commission Delegated Regulation (EU) No 518/2014 of 5 March 2014 amending Commission Delegated Regulations (EU) No 1059/2010, (EU) No 1060/2010, (EU) No 1061/2010, (EU) No 1062/2010, (EU) No 626/2011, (EU) No 392/2012, (EU) No 874/2012, (EU) No 665/2013, (EU) No 811/2013 and (EU) No 812/2013 with regard to labelling of energy-related products on the internet (Text with EEA relevance).
- F2** Inserted by Commission Delegated Regulation (EU) No 518/2014 of 5 March 2014 amending Commission Delegated Regulations (EU) No 1059/2010, (EU) No 1060/2010, (EU) No 1061/2010, (EU) No 1062/2010, (EU) No 626/2011, (EU) No 392/2012, (EU) No 874/2012, (EU) No 665/2013,

Changes to legislation: There are outstanding changes not yet made to Commission Delegated Regulation (EU) No 1062/2010. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

(EU) No 811/2013 and (EU) No 812/2013 with regard to labelling of energy-related products on the internet (Text with EEA relevance).

Article 4

Responsibilities of dealers

Dealers shall ensure that:

- (a) each television, at the point of sale, bears the label provided by suppliers in accordance with Article 3(1) on the front of the television, in such a way as to be clearly visible;
- (b) [^{F1}televisions offered for sale, hire or hire-purchase, where the end-user cannot be expected to see the television displayed, are marketed with the information to be provided by the suppliers in accordance with Annex VI. Where the offer is made through the internet and an electronic label and an electronic product fiche have been made available in accordance with Article 3(1)(f) and 3(1)(g) the provisions in Annex IX shall apply instead;]
- (c) any advertisement for a specific television model contains the energy efficiency class, if the advertisement discloses energy-related or price information;
- (d) any technical promotional material concerning a specific television model, which describes its specific technical parameters, includes the energy efficiency class of that model.

Textual Amendments

- F1** Substituted by Commission Delegated Regulation (EU) No 518/2014 of 5 March 2014 amending Commission Delegated Regulations (EU) No 1059/2010, (EU) No 1060/2010, (EU) No 1061/2010, (EU) No 1062/2010, (EU) No 626/2011, (EU) No 392/2012, (EU) No 874/2012, (EU) No 665/2013, (EU) No 811/2013 and (EU) No 812/2013 with regard to labelling of energy-related products on the internet (Text with EEA relevance).

Article 5

Measurement methods

The information to be provided pursuant to Articles 3 and 4 shall be obtained by reliable, accurate and reproducible measurement procedures, which take into account the recognised state-of-the-art measurement methods, as set out in Annex VII.

Article 6

Verification procedure for market surveillance purposes

Member States shall apply the procedure laid down in Annex VIII when assessing the conformity of the declared energy efficiency class.

Changes to legislation: There are outstanding changes not yet made to Commission Delegated Regulation (EU) No 1062/2010. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) [View outstanding changes](#)

Article 7

Revision

The Commission shall review this Regulation in the light of technological progress no later than 5 years after its entry into force.

Article 8

Transitional provision

Article 3(1)(d) and (e) and Article 4(b), (c) and (d) shall not apply to printed advertisement and printed technical promotional material published before 30 March 2012.

Article 9

Entry into force

This Regulation shall enter into force on the 20th day following its publication in the *Official Journal of the European Union*.

It shall apply from 30 November 2011. However, Article 3(1)(d) and (e) and Article 4(b), (c) and (d) shall apply from 30 March 2012.

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

Changes to legislation: There are outstanding changes not yet made to Commission Delegated Regulation (EU) No 1062/2010. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

ANNEX I

Energy efficiency class

The energy efficiency class of a television shall be determined on the basis of its Energy Efficiency Index (*EEI*) as set out in Table 1. The Energy Efficiency Index of a television shall be determined in accordance with point 1 of Annex II.

TABLE 1

Energy efficiency class of a television

Energy efficiency class	Energy Efficiency Index
A+++ (most efficient)	$EEI < 0,10$
A++	$0,10 \leq EEI < 0,16$
A+	$0,16 \leq EEI < 0,23$
A	$0,23 \leq EEI < 0,30$
B	$0,30 \leq EEI < 0,42$
C	$0,42 \leq EEI < 0,60$
D	$0,60 \leq EEI < 0,80$
E	$0,80 \leq EEI < 0,90$
F	$0,90 \leq EEI < 1,00$
G (least efficient)	$1,00 \leq EEI$

ANNEX II

Method for calculating the Energy Efficiency Index and the annual on-mode energy consumption

- The Energy Efficiency Index (*EEI*) is calculated as $EEI = P/P_{\text{ref}}(A)$, where:
 - $P_{\text{ref}}(A) = P_{\text{basic}} + A \times 4,3224 \text{ Watts/dm}^2$,
 - $P_{\text{basic}} = 20 \text{ Watts}$ for television sets with one tuner/receiver and no hard disc,
 - $P_{\text{basic}} = 24 \text{ Watts}$ for television sets with hard disc(s),
 - $P_{\text{basic}} = 24 \text{ Watts}$ for television sets with two or more tuners/receivers,
 - $P_{\text{basic}} = 28 \text{ Watts}$ for television sets with hard disc(s) and two or more tuners/receivers,
 - $P_{\text{basic}} = 15 \text{ Watts}$ for television monitors,
 - A is the visible screen area expressed in dm^2 ,
 - P is the on-mode power consumption of the television in Watts measured in accordance with Annex VII, rounded to one decimal place.
- The annual on-mode energy consumption E in kWh is calculated as $E = 1,46 \times P$.

Changes to legislation: There are outstanding changes not yet made to Commission Delegated Regulation (EU) No 1062/2010. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

3. Televisions with automatic brightness control

For the purposes of calculating the Energy Efficiency Index and the annual on-mode energy consumption referred to in points 1 and 2, the on-mode power consumption as established according to the procedure set out in Annex VII is reduced by 5 % if the following conditions are fulfilled when the television is placed on the market:

- (a) the luminance of the television in the home-mode or the on-mode condition as set by the supplier, is automatically reduced between an ambient light intensity of at least 20 lux and 0 lux;
- (b) the automatic brightness control is activated in the home-mode condition or the on-mode condition of the television as set by the supplier.

ANNEX III

Product fiche

1. The information in the product fiche of the television shall be provided in the following order, and shall be included in the product brochure or other literature provided with the product:
 - (a) supplier's name or trade mark;
 - (b) supplier's model identifier; where model identifier means the code, usually alphanumeric, which distinguishes a specific television model from other models of the same trade mark or supplier's name;
 - (c) the energy efficiency class of the model in accordance with Annex I, Table 1; where the television has been awarded an 'EU Ecolabel' under Regulation (EC) No 66/2010 of the European Parliament and of the Council⁽⁶⁾, this information may be included;
 - (d) the visible screen diagonal in centimetres and in inches;
 - (e) the on-mode power consumption measured in accordance with the procedure set out in Annex VII;
 - (f) the annual energy consumption calculated in accordance with Annex II in kWh per year, rounded to the first integer; it shall be described as: 'Energy consumption XYZ kWh per year, based on the power consumption of the television operating 4 hours per day for 365 days. The actual energy consumption will depend on how the television is used.';
 - (g) [^{X1}the standby and off-mode power consumption, both measured in accordance with the procedure set out in Annex VII;]
 - (h) the screen resolution in physical horizontal and vertical pixel count.

Editorial Information

- X1** Substituted by [Corrigendum to Commission Delegated Regulation \(EU\) No 1062/2010 of 28 September 2010 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of televisions \(Official Journal of the European Union L 314 of 30 November 2010\)](#).

Changes to legislation: There are outstanding changes not yet made to Commission Delegated Regulation (EU) No 1062/2010. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

2. One fiche may cover a number of television models supplied by the same supplier.
3. The information contained in the fiche may be given in the form of a copy of the label, either in colour or in black and white. Where this is the case, the information listed in point 1 not already displayed on the label must also be provided.

ANNEX IV

Technical documentation

The technical documentation referred to in Article 3(1)(c) shall include:

- (a) the name and address of the supplier;
- (b) a general description of the television model, sufficient for it to be unequivocally and easily identified;
- (c) where appropriate, the references of the harmonised standards applied;
- (d) where appropriate, the other technical standards and specifications used;
- (e) identification and signature of the person empowered to bind the supplier;
- (f) test parameters for measurements:
 - (i) ambient temperature;
 - (ii) test voltage in V and frequency in Hz;
 - (iii) total harmonic distortion of the electricity supply system;
 - (iv) the input terminal for the audio and video test signals;
 - (v) information and documentation on the instrumentation, set-up and circuits used for electrical testing;
- (g) on-mode parameters:
 - (i) the power consumption data in Watts rounded to the first decimal place for power measurements up to 100 Watts, and to the first integer for power measurements above 100 Watts;
 - (ii) the characteristics of the dynamic broadcast-content video signal representing typical broadcast TV content;
 - (iii) the sequence of steps for achieving a stable condition with respect to power consumption;
 - (iv) for televisions with a forced menu, the ratio of the peak luminance of the home-mode and the peak luminance of the brightest on-mode condition provided by the television, expressed as a percentage;
 - (v) for television monitors, a description of the relevant characteristics of the tuner used for measurements;
- (h) for each standby or off-mode:

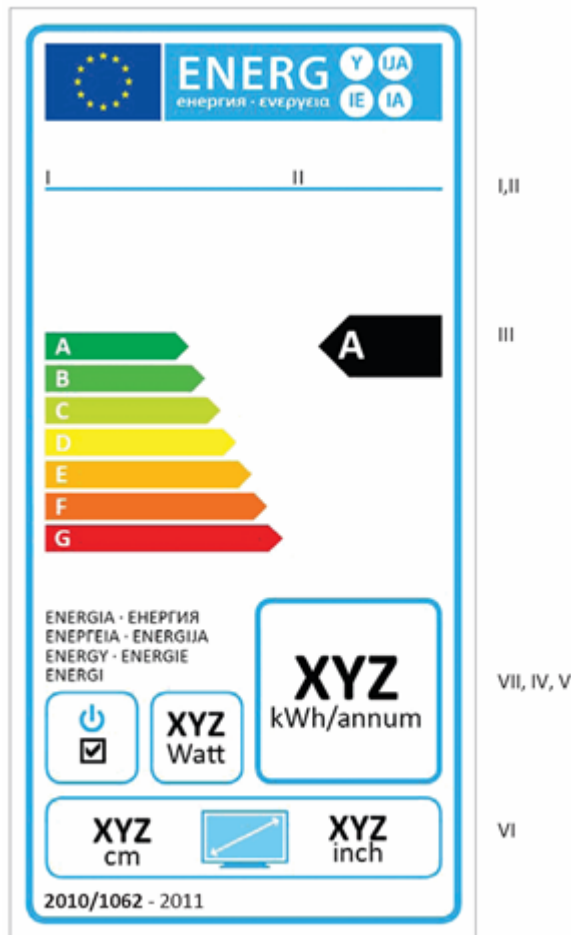
Changes to legislation: There are outstanding changes not yet made to Commission Delegated Regulation (EU) No 1062/2010. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (i) the power consumption data in Watts rounded to the second decimal place;
- (ii) the measurement method used;
- (iii) description of how the mode was selected or programmed;
- (iv) sequence of events to reach the mode where the television automatically changes modes.

ANNEX V

Label

1. LABEL 1



- (a) The following information shall be included in the label:
 - I. supplier's name or trade mark;
 - II. supplier's model identifier, where 'model identifier' means the code, usually alphanumeric, which distinguishes a specific television model from other models of the same trade mark or supplier's name;

Changes to legislation: There are outstanding changes not yet made to Commission Delegated Regulation (EU) No 1062/2010. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

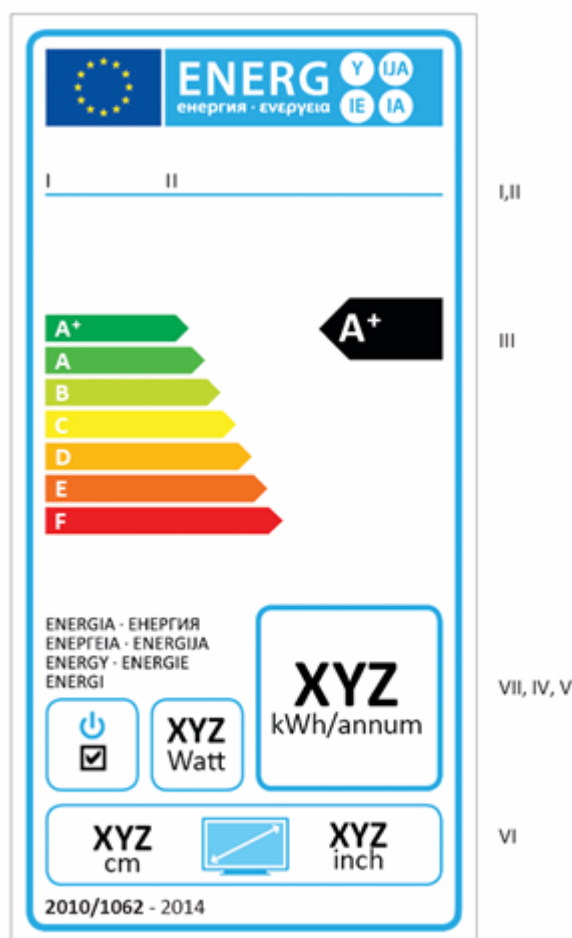
- III. the energy efficiency class of the television, determined in accordance with Annex I. The head of the arrow containing the energy efficiency class of the television shall be placed at the same height as the head of the arrow of the relevant energy efficiency class;
- IV. on-mode power consumption in Watts, rounded to the first integer;
- V. annual on-mode energy consumption calculated in accordance with point 2 of Annex II, in kWh, rounded to the first integer;
- VI. visible screen diagonal in inches and centimetres.

For televisions with an easily visible switch, which puts the television in a condition with power consumption not exceeding 0,01 Watts when operated to the off position, the symbol defined in point 8 of point 5 may be added.

Where a model has been granted a ‘European Union Ecolabel’ under Regulation (EC) No 66/2010, a copy of the EU Ecolabel may be added.

- (b) The design aspects of the label shall be in accordance with point 5.

2. LABEL 2

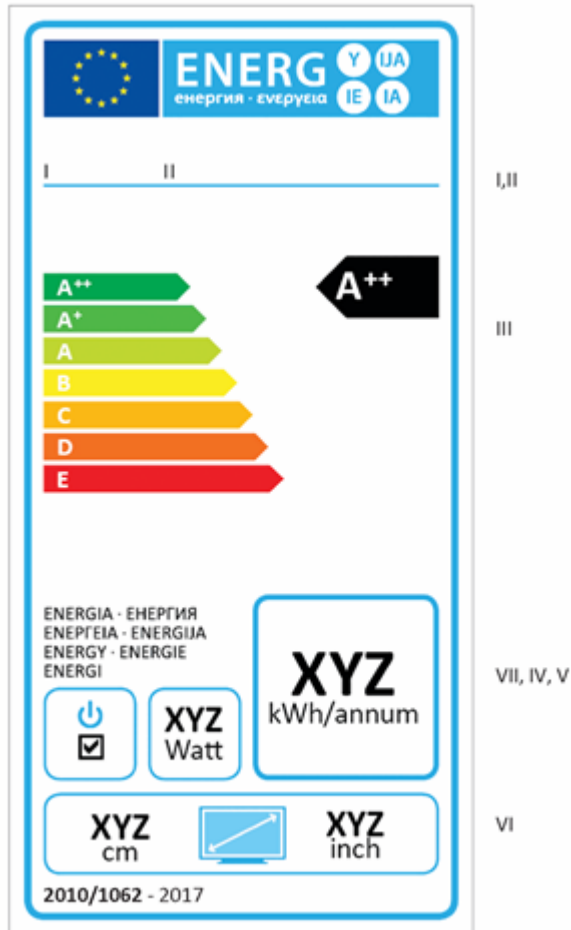


- (a) The information listed in point 1(a) shall be included in the label.

Changes to legislation: There are outstanding changes not yet made to Commission Delegated Regulation (EU) No 1062/2010. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

(b) The design aspects of the label shall be in accordance with point 5.

3. LABEL 3

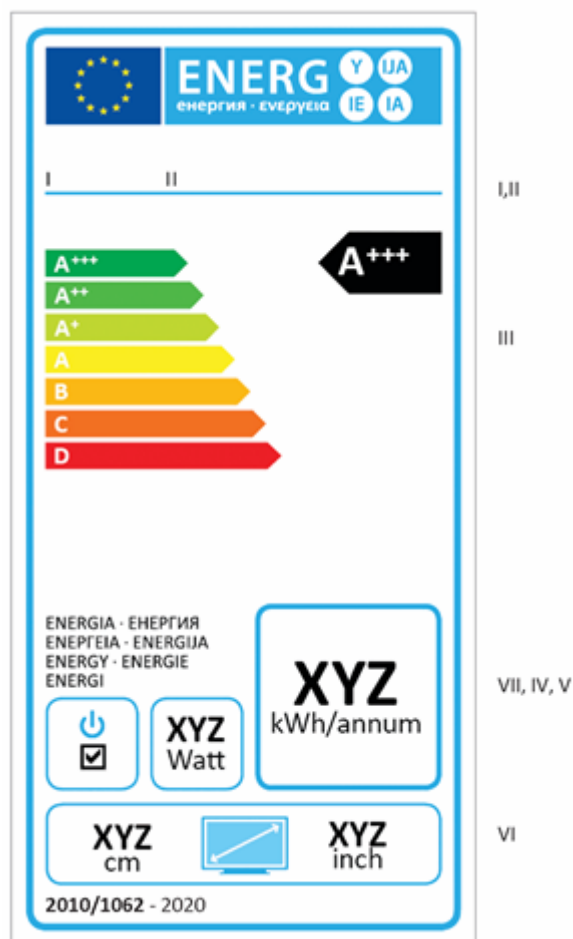


(a) The information listed in point 1(a) shall be included in the label.

(b) The design aspects of the label shall be in accordance with point 5.

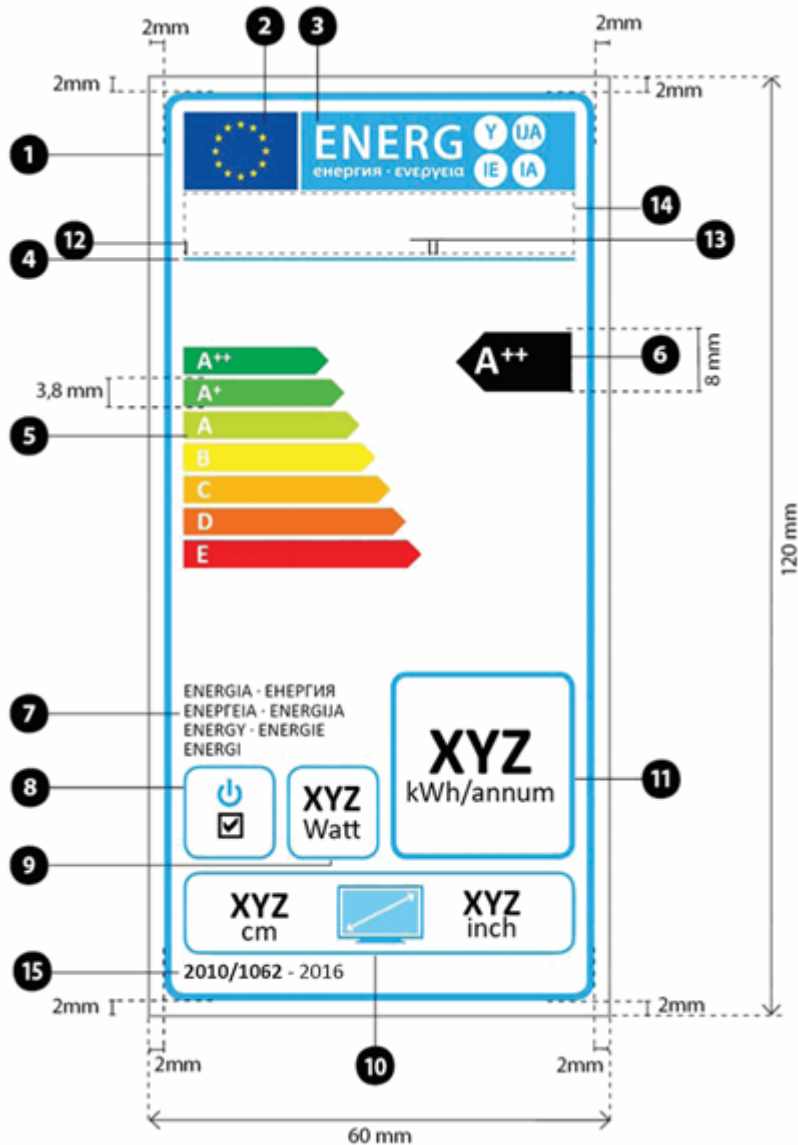
4. LABEL 4

Changes to legislation: There are outstanding changes not yet made to Commission Delegated Regulation (EU) No 1062/2010. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes



- (a) The information listed in point 1(a) shall be included in the label.
 - (b) The design aspects of the label shall be in accordance with point 5.
5. The design of the label shall be the following:

Changes to legislation: There are outstanding changes not yet made to Commission Delegated Regulation (EU) No 1062/2010. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes



Whereby:

- The label shall be at least 60 mm wide and 120 mm high. Where the label is printed in a larger format, its content must nevertheless remain proportionate to the specifications above.
- For televisions with screen area above 29 dm² the background shall be white. For televisions with screen area of 29 dm² or below the background shall be white or transparent.
- Colours are CMYK — cyan, magenta, yellow and black and are given following this example: 00-70-X-00: 0 % cyan, 70 % magenta, 100 % yellow, 0 % black.
- The label shall fulfil all of the following requirements (numbers refer to the figure above):

1 **Border stroke:** 3 pt — colour: Cyan 100 % — round corners: 3,5 mm.

Changes to legislation: There are outstanding changes not yet made to Commission Delegated Regulation (EU) No 1062/2010. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- 2 **EU logo** — colours: X-80-00-00 and 00-00-X-00.
- 3 **Label logos:**
 - colour: X-00-00-00
 - Pictogram as depicted; EU logo and label logo (combined): width: 51 mm, height: 9 mm.
- 4 **Sub-logos border:** 1 pt — colour: Cyan 100 % — length: 51 mm.
- 5 **A-G scale**
 - **Arrow:** height: 3,8 mm, gap: 0,75 mm — colours:
 - Highest class: X-00-X-00,
 - Second class: 70-00-X-00,
 - Third class: 30-00-X-00,
 - Fourth class: 00-00-X-00,
 - Fifth class: 00-30-X-00,
 - Sixth class: 00-70-X-00,
 - Last class: 00-X-X-00.
 - **Text:** Calibri bold 10 pt, capitals, white; ‘+’ symbols: Calibri bold 7 pt, capitals, white.
- 6 [^{X1}**Energy efficiency class**
 - **Arrow:** width: 16 mm, height: 8 mm, 100 % black.]
 - **Text:** Calibri bold 15 pt, capitals, white; ‘+’ symbols: Calibri bold 10 pt, capitals, white.
- 7 **Energy**
 - **Text:** Calibri regular 7pt, capitals, 100 % black.
- 8 **Switch logo:**
 - **Pictogram as depicted, Border:** 1 pt — colour: Cyan 100 % — round corners: 3,5 mm.
- 9 **Text related to on-mode power consumption:**
 - **Border:** 1 pt — colour: Cyan 100 % — round corners: 3,5 mm.
 - **Value:** Calibri bold 14 pt, 100 % black.
 - **Second line:** Calibri regular 11 pt, 100 % black.
- 10 **Television screen diagonal size:**
 - **Pictogram as depicted**
 - **Border:** 1 pt — colour: Cyan 100 % — round corners: 3,5 mm.
 - **Value:** Calibri bold 14 pt, 100 % black. Calibri regular 11pt, 100 % black.
- 11 **Text related to annual energy consumption:**
 - **Border:** 2 pt — colour: Cyan 100 % — round corners: 3,5 mm.
 - **Value:** Calibri bold 25 pt, 100 % black.
 - **Second line:** Calibri regular 11 pt, 100 % black.
- 12 **Supplier’s name or trade mark**

Changes to legislation: There are outstanding changes not yet made to Commission Delegated Regulation (EU) No 1062/2010. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

13 **Supplier's model identifier**

14 The supplier's name or trade mark and model information should fit in a space of 51 × 8 mm.

15 **Reference period**

Text: Calibri bold 8 pt

Text: Calibri light 9 pt.

ANNEX VI

Information to be provided in the cases where end-users cannot be expected to see the product displayed

1. The information referred to in Article 4(b) shall be provided in the following order:
 - (a) the energy efficiency class of the model as defined in Annex I;
 - (b) the on-mode power consumption as referred to in point 1 of Annex II;
 - (c) the annual power consumption in accordance with point 2 of Annex II;
 - (d) the visible screen diagonal.
2. Where other information contained in the product information fiche is also provided, it shall be in the form and order specified in Annex III.
3. The size and font in which all the information referred in this Annex is printed or shown shall be legible.

ANNEX VII

Measurements

1. For the purposes of compliance and verification of compliance with the requirements of this Regulation, measurements shall be made using a reliable, accurate and reproducible measurement procedure that takes into account the generally recognised state-of-the-art measurement methods, including methods set out in documents the reference numbers of which have been published for that purpose in the *Official Journal of the European Union*.
2. **Measurements of on-mode power consumption referred to in point 1 of Annex II**
 - (a) General conditions:
 - (i) measurements shall be made at an ambient temperature of 23 °C +/- 5 °C;
 - (ii) measurements shall be made using a dynamic broadcast-content video signal representing typical broadcast TV content; The measurement shall be the average power consumed over ten consecutive minutes;

Changes to legislation: There are outstanding changes not yet made to Commission Delegated Regulation (EU) No 1062/2010. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (iii) measurements shall be made after the television has been in the off-mode for a minimum of 1 hour immediately followed by a minimum of 1 hour in the on-mode and shall be completed before a maximum of 3 hours in on-mode. The relevant video signal shall be displayed during the entire on-mode duration. For televisions that are known to stabilise within 1 hour, these durations may be reduced if the resulting measurement can be shown to be within 2 % of the results that would otherwise be achieved using the durations described here;
 - (iv) [^{F3}]
 - (v) measurements shall be made with the Automatic Brightness Control function, if such a function exists, made inactive. If the Automatic Brightness Control function exists and cannot be made inactive, then the measurements shall be performed with the light entering directly into the ambient light sensor at a level of 300 lux, or more.
- (b) Conditions for measuring the on-mode power consumption of televisions:
- (i) television sets without forced menu: The power consumption shall be measured in the on-mode condition of the television as delivered by the manufacturer, that is, the brightness controls of the television shall be in the position adjusted by the manufacturer for the end user;
 - (ii) television sets with forced menu: The power consumption shall be measured in the ‘home-mode’ condition;
 - (iii) television monitors without forced menu: The television monitor shall be connected to an appropriate tuner. The power consumption shall be measured in the on-mode condition of the television as delivered by the manufacturer, that is, the brightness controls of the television monitor shall be in the position adjusted by the manufacturer for the end user. The power consumption of the tuner is not relevant for the measurements of on-mode power consumption of the television monitor;
 - (iv) television monitors with forced menu: The television monitor shall be connected to an appropriate tuner. The power consumption shall be measured in the ‘home-mode’ condition.

Textual Amendments

F3 Deleted by Commission Delegated Regulation (EU) 2017/254 of 30 November 2016 amending Delegated Regulations (EU) No 1059/2010, (EU) No 1060/2010, (EU) No 1061/2010, (EU) No 1062/2010, (EU) No 626/2011, (EU) No 392/2012, (EU) No 874/2012, (EU) No 665/2013, (EU) No 811/2013, (EU) No 812/2013, (EU) No 65/2014, (EU) No 1254/2014, (EU) 2015/1094, (EU) 2015/1186 and (EU) 2015/1187 with regard to the use of tolerances in verification procedures (Text with EEA relevance).

^{F3}3. **Measurements of standby/off-mode power consumption referred to in point 1(g) of Annex III**

.....

[^{F4}4. **Measurements of peak luminance ratio referred to in Table 2 of Annex VIII]**

Changes to legislation: There are outstanding changes not yet made to Commission Delegated Regulation (EU) No 1062/2010. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (a) Measurements of peak luminance shall be made with a luminance meter, detecting that portion of the screen exhibiting a full (100 %) white image, which is part of a ‘full screen test’ test pattern that does not exceed the average picture level (APL) point where any power limiting occurs in the display luminance drive system.
- (b) Measurements of luminance ratio shall be made without disturbing the luminance meter’s detection point on the display whilst switching between the home-mode condition or the on-mode condition of the television as set by the supplier, as applicable, and the brightest on-mode condition.

Textual Amendments

F4 Substituted by Commission Delegated Regulation (EU) 2017/254 of 30 November 2016 amending Delegated Regulations (EU) No 1059/2010, (EU) No 1060/2010, (EU) No 1061/2010, (EU) No 1062/2010, (EU) No 626/2011, (EU) No 392/2012, (EU) No 874/2012, (EU) No 665/2013, (EU) No 811/2013, (EU) No 812/2013, (EU) No 65/2014, (EU) No 1254/2014, (EU) 2015/1094, (EU) 2015/1186 and (EU) 2015/1187 with regard to the use of tolerances in verification procedures (Text with EEA relevance).

[^{F4}ANNEX VIII

Product compliance verification by market surveillance authorities

The verification tolerances set out in this Annex relate only to the verification of the measured parameters by Member State authorities and shall not be used by the supplier as an allowed tolerance to establish the values in the technical documentation. The values and classes on the label or in the product fiche shall not be more favourable for the supplier than the values reported in the technical documentation.

When verifying the compliance of a product model with the requirements laid down in this Delegated Regulation, for the requirements referred to in this Annex, the authorities of the Member States shall apply the following procedure:

- (1) The Member State authorities shall verify one single unit of the model.
- (2) The model shall be considered to comply with the applicable requirements if:
 - (a) the values given in the technical documentation pursuant to Article 5(b) of Directive 2010/30/EU (declared values), and, where applicable, the values used to calculate these values, are not more favourable for the supplier than the corresponding values given in the test reports pursuant to point (iii) of the abovementioned Article; and
 - (b) the values published on the label and in the product fiche are not more favourable for the supplier than the declared values, and the indicated energy efficiency class is not more favourable for the supplier than the class determined by the declared values; and
 - (c) when the Member State authorities test the unit of the model, the determined values (the values of the relevant parameters as measured in testing and the values calculated from these measurements) comply with the respective verification tolerances as given in Table 2.

Changes to legislation: There are outstanding changes not yet made to Commission Delegated Regulation (EU) No 1062/2010. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (3) If the result referred to in points 2(a) or (b) are not achieved, the model shall be considered not to comply with this Delegated Regulation.
- (4) If the result referred to in point 2(c) is not achieved, the Member State authorities shall select three additional units of the same model for testing.
- (5) The model shall be considered to comply with the applicable requirements if for these three units, the arithmetical mean of the determined values complies with the respective tolerances given in Table 2.
- (6) If the result referred to in point 5 is not achieved, the model shall be considered not to comply with this Delegated Regulation.
- (7) The Member State authorities shall provide all relevant information to the authorities of the other Member States and to the Commission without delay after a decision being taken on the non-compliance of the model according to points 3 and 6.

The Member State authorities shall use the measurement and calculation methods set out in Annex VII.

The Member State authorities shall only apply the verification tolerances that are set out in Table 2 and shall only use the procedure described in points 1 to 7 for the requirements referred to in this Annex. No other tolerances, such as those set out in harmonised standards or in any other measurement method, shall be applied.

TABLE 2

Verification tolerances

Parameters	Verification tolerances
On-mode power consumption	The determined value shall not exceed the declared value by more than 7 %.
Off-mode/standby power consumption	The determined value shall not exceed the declared value by more than 0,10 W.
Peak luminance ratio	The determined value shall not be lower than 60 % of the peak luminance of the brightest on-mode condition provided by the television.]

[^{F2}ANNEX IX

Information to be provided in the case of sale, hire or hire-purchase through the internet

- (1) For the purpose of points 2 to 5 of this Annex the following definitions shall apply:
 - (a) ‘display mechanism’ means any screen, including tactile screen, or other visual technology used for displaying internet content to users;
 - (b) ‘nested display’ means visual interface where an image or data set is accessed by a mouse click, mouse roll-over or tactile screen expansion of another image or data set;
 - (c) ‘tactile screen’ means a screen responding to touch, such as that of a tablet computer, slate computer or a smartphone;

Changes to legislation: There are outstanding changes not yet made to Commission Delegated Regulation (EU) No 1062/2010. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

- (d) ‘alternative text’ means text provided as an alternative to a graphic allowing information to be presented in non-graphical form where display devices cannot render the graphic or as an aid to accessibility such as input to voice synthesis applications.
- (2) The appropriate label made available by suppliers in accordance with Article 3(1)(f) shall be shown on the display mechanism in proximity to the price of the product in accordance with the timetable set out in Article 3(3). The size shall be such that the label is clearly visible and legible and shall be proportionate to the size specified in point 5 of Annex V. The label may be displayed using a nested display, in which case the image used for accessing the label shall comply with the specifications laid down in point 3 of this Annex. If nested display is applied, the label shall appear on the first mouse click, mouse roll-over or tactile screen expansion on the image.
- (3) The image used for accessing the label in the case of nested display shall:
- (a) be an arrow in the colour corresponding to the energy efficiency class of the product on the label;
- (b) indicate on the arrow the energy efficiency class of the product in white in a font size equivalent to that of the price; and
- (c) have one of the following two formats:
- (4) In the case of nested display, the sequence of display of the label shall be as follows:
- (a) the image referred to in point 3 of this Annex shall be shown on the display mechanism in proximity to the price of the product;
- (b) the image shall link to the label;
- (c) the label shall be displayed after a mouse click, mouse roll-over or tactile screen expansion on the image;
- (d) the label shall be displayed by pop up, new tab, new page or inset screen display;
- (e) for magnification of the label on tactile screens, the device conventions for tactile magnification shall apply;
- (f) the label shall cease to be displayed by means of a close option or other standard closing mechanism;
- (g) the alternative text for the graphic, to be displayed on failure to display the label, shall be the energy efficiency class of the product in a font size equivalent to that of the price.
- (5) The appropriate product fiche made available by suppliers in accordance with Article 3(1)(g) shall be shown on the display mechanism in proximity to the price of the product. The size shall be such that the product fiche is clearly visible and legible. The product fiche may be displayed using a nested display, in which case the link used for accessing the fiche shall clearly and legibly indicate ‘Product fiche’. If nested display is used, the product fiche shall appear on the first mouse click, mouse roll-over or tactile screen expansion on the link.]

Changes to legislation: *There are outstanding changes not yet made to Commission Delegated Regulation (EU) No 1062/2010. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) [View outstanding changes](#)*

- (1) OJ L 153, 18.6.2010, p. 1.
- (2) OJ L 191, 23.7.2009, p. 42.
- (3) OJ L 204, 21.7.1998, p. 37.
- (4) OJ L 390, 31.12.2004, p. 24.
- (5) OJ L 27, 30.1.2010, p. 1.

Changes to legislation:

There are outstanding changes not yet made to Commission Delegated Regulation (EU) No 1062/2010. Any changes that have already been made to the legislation appear in the content and are referenced with annotations.

[View outstanding changes](#)

Changes and effects yet to be applied to :

- Regulation revoked by [S.I. 2020/1528 reg. 28\(d\)](#)
- Annex 8 word substituted by [S.I. 2019/539 Sch. 5 para. 4\(11\)\(c\)\(i\)](#)
- Annex 8 word substituted by [S.I. 2019/539 Sch. 5 para. 4\(11\)\(c\)\(ii\)](#)
- Annex 8 words substituted by [S.I. 2019/539 Sch. 5 para. 4\(11\)\(a\)](#)
- Annex 8 words substituted in earlier amending provision [S.I. 2019/539, Sch. 5 para. 4\(11\)\(a\)](#) by [S.I. 2020/1528 reg. 6\(1\)reg. 6\(2\)\(c\)\(iv\)](#)
- Art. 3 words substituted in earlier amending provision [S.I. 2019/539, Sch. 5 para. 4\(3\)](#) by [S.I. 2020/1528 reg. 6\(3\)reg. 6\(4\)\(e\)\(iv\)](#)
- Art. 6 words substituted by [S.I. 2019/539 Sch. 5 para. 4\(4\)](#)
- Art. 6 words substituted in earlier amending provision [S.I. 2019/539, Sch. 5 para. 4\(4\)](#) by [S.I. 2020/1528 reg. 6\(3\)reg. 6\(4\)\(e\)\(iv\)](#)
- Art. 7 omitted by [S.I. 2019/539 Sch. 5 para. 4\(5\)](#)

Changes and effects yet to be applied to the whole legislation item and associated provisions

- Signature words omitted by [S.I. 2019/539 Sch. 5 para. 4\(6\)](#)
- Annex 5 para. 4 image substituted by [S.I. 2020/1528 Sch. 5 para. 5\(2\)](#)
- Annex 5 para. 5 image substituted by [S.I. 2020/1528 Sch. 5 para. 5\(3\)\(a\)](#)
- Annex 5 s. 1 words inserted by [S.I. 2019/539 Sch. 5 para. 4\(9\)](#)
- Annex 5 para. 5(d) words omitted by [S.I. 2020/1528 Sch. 5 para. 5\(3\)\(b\)\(iii\)](#)
- Annex 5 para. 5(d) words substituted by [S.I. 2020/1528 Sch. 5 para. 5\(3\)\(b\)\(i\)](#)
- Annex 5 para. 5(d) words substituted by [S.I. 2020/1528 Sch. 5 para. 5\(3\)\(b\)\(ii\)](#)
- Annex 5 s. 1 point 6(a) words substituted in earlier amending provision [S.I. 2019/539, Sch. 5 para. 4\(9\)](#) by [S.I. 2020/1528 reg. 4](#)
- Annex 3 para. 1(c) words inserted by [S.I. 2019/539 Sch. 5 para. 4\(7\)](#)
- Annex 3 para. 1(c) words substituted in earlier amending provision [S.I. 2019/539, Sch. 5 para. 4\(7\)](#) by [S.I. 2020/1528 reg. 4](#)
- Annex 7 para. 1 words omitted by [S.I. 2019/539 Sch. 5 para. 4\(10\)](#)
- Annex 8(7) omitted by [S.I. 2019/539 Sch. 5 para. 4\(11\)\(b\)](#)
- Annex 4(c) word substituted by [S.I. 2019/539 Sch. 5 para. 4\(8\)](#)
- Art. 2(7) substituted by [S.I. 2019/539 Sch. 5 para. 4\(2\)](#)
- Art. 3(1)(c) words substituted by [S.I. 2019/539 Sch. 5 para. 4\(3\)](#)