

ANNEX I

Definitions for the purposes of the Annexes

Modifications etc. (not altering text)

- C1** Annexes 1-4 applied (with modifications) (31.12.2020) by [The Ecodesign for Energy-Related Products and Energy Information \(Amendment\) \(EU Exit\) Regulations 2020 \(S.I. 2020/1528\)](#), regs. 1(4), 29(1)-(3), **Sch. 1**
- C2** Annex 1, as applied and modified by [S.I. 2020/1528, Sch. 1](#), amended (1.10.2021) by [The Ecodesign for Energy-Related Products and Energy Information \(Amendment\) Regulations 2021 \(S.I. 2021/1097\)](#), regs. 1(2), 4(5)

The following definitions shall apply:

- (1) ‘*energy efficiency index*’ (*EEI*) means an index number for the relative energy efficiency of an electronic display, as set out in point B of Annex II;
- (2) ‘*High Dynamic Range (HDR)*’ means a method to increase the contrast ratio of the image of an electronic display by using metadata generated during the creation of the video material and that the display management circuitry interprets to produce a contrast ratio and colour rendering perceived by the human eye as more realistic than that achieved by non HDR-compatible displays;
- (3) ‘*contrast ratio*’ means the difference between the peak brightness and black level in an image;
- (4) ‘*luminance*’ means the photometric measure of the luminous intensity per unit area of light traveling in a given direction, expressed in units of candelas per square meter (cd/m^2). The term brightness is often used to ‘subjectively’ qualify the luminance of an electronic display;
- (5) ‘*Automatic Brightness Control (ABC)*’ means the automatic mechanism that, when enabled, controls the brightness of an electronic display as a function of the ambient light level illuminating the front of the display;
- (6) ‘*default*’, referring to a specific feature or setting, means the value of a specific feature as set at the factory and available when the customer uses the product for the first time and after performing a ‘reset to factory settings’ action, if allowed by the product;
- (7) ‘*pixel (picture element)*’ means the area of the smallest element of a picture that can be distinguished from its neighbouring elements;
- (8) ‘*on mode*’ or ‘*active mode*’ means a condition in which the electronic display is connected to a power source, has been activated and is providing one or more of its display functions;
- (9) ‘*forced menu*’ means a specific menu, appearing upon initial start-up of the electronic display or upon a reset to factory settings, offering a set of display settings, pre-defined by the supplier;
- (10) ‘*normal configuration*’ means a display setting which is recommended to the end-user by the supplier from the initial set up menu or the factory setting that the electronic display has for the intended product use. It must deliver the optimal quality for the end user in the intended environment and for the intended use. The normal configuration

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- is the condition in which the values for off, standby, networked standby and on mode are measured;
- (11) *‘brightest on mode configuration’* means the configuration of the electronic display, pre-set by the supplier, which provides an acceptable picture with the highest measured luminance;
- (12) *‘shop configuration’* means the configuration of the electronic display for use specifically in the context of demonstrating the electronic display, for example in high illumination (retail) conditions and not involving an auto power-off if no user action or presence is detected;
- (13) *‘room presence sensor’* or *‘gesture detection sensor’* or *‘occupancy sensor’* means a sensor monitoring and reacting to movements in the space around the product whose signal can trigger the switching to on mode. Lack of movement detection for a predetermined time can be used to switch into standby mode or networked standby mode;
- (14) *‘off mode’* means a condition in which the electronic display is connected to the mains power source and is not providing any function: the following shall also be considered as off mode:
- (1) conditions providing only an indication of off mode condition;
 - (2) conditions providing only functionalities intended to ensure electromagnetic compatibility pursuant to Directive 2014/30/EU of the European Parliament and of the Council⁽¹⁾;
- (15) *‘standby mode’* means a condition where the electronic display is connected to the mains or DC power source, depends on energy input from that source to work as intended and provides only the following functions, which may persist for an indefinite time:
- reactivation function, or reactivation function and only an indication of enabled reactivation function; and/or
 - information or status display;
- (16) *‘reactivation function’* means a function that via a remote switch, a remote control unit, an internal sensor, a timer or, for networked displays in networked standby mode, the network, provides a switch from standby mode or networked standby mode to a mode, other than off-mode, providing additional functions;
- (17) *‘display mechanism’* means any screen, including tactile screen or other visual technology used for displaying internet content to users;
- (18) *‘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;
- (19) *‘tactile screen’* means a screen responding to touch, such as that of a tablet computer, slate computer or a smartphone;
- (20) *‘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;
- (21) *‘External Power Supply (EPS)’* means a device as defined in Commission Regulation (EU) 2019/1782⁽²⁾;

- (22) ‘*standardised EPS*’ means an external power supply designed to provide power to various devices and that complies with a standard issued by an international standardization organization;
- (23) ‘*Quick Response (QR) code*’ means a matrix barcode included on the energy label of a product model that links to that model’s information in the public part of the product database;
- (24) ‘*network*’ means a communication infrastructure with a topology of links and an architecture that includes the physical components, organisational principles and communication procedures and formats (protocols);
- (25) ‘*network interface*’ (or ‘*network port*’) means a wired or wireless physical interface, providing network connection, through which functions of the electronic display can be remotely activated and data received or sent. Interfaces to input data such as video and audio signals, but not originating from a network source and using a network address, are not considered to be a network interface;
- (26) ‘*network availability*’ means the capability of an electronic display to activate functions after a remotely initiated trigger has been detected by a network interface;
- (27) ‘*networked display*’ means an electronic display that can connect to a network using one of its network interfaces, if enabled;
- (28) ‘*networked standby mode*’ means a condition in which the electronic display is able to resume a function by way of a remotely initiated trigger from a network interface.

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- (1) Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility ([OJ L 96, 29.3.2014, p. 79](#)).
- (2) Commission Regulation (EU) 2019/1782 of 1 October 2019 laying down ecodesign requirements for external power supplies pursuant to Directive 2009/125/EC of the European Parliament and of the Council and repealing Commission Regulation (EC) No 278/2009 ([OJ L 272, 25.10.2019, p. 95](#)).

Changes to legislation:

There are currently no known outstanding effects for the Commission Delegated Regulation (EU) 2019/2013, ANNEX I.