

## **Refrigerated Display Cabinets**

### **Summary of proposed Triple E eligibility criteria changes.**

To facilitate a refinement of the eligibility criteria for refrigerated display cabinets it is proposed to make the following amendments:

- The removal of the sub-technology - Covers for Refrigerated Display Cabinets. (Since its inclusion in 2010 there have been no product listings under this sub-technology)
- Ease of access and modernisation of test data requirements to include supporting documentation based on Ecodesign. The requirement for additional independent test certificates and/or test reports is to be removed.

The proposed eligibility criteria document is contained on the following pages.

**Please follow this [link](#) to view the currently published eligibility criteria.**

## Triple E Eligibility Criteria

### **Category: Refrigeration and Cooling Systems Technology: Refrigerated Display Cabinets**

Refrigerated Display Cabinet equipment is defined as equipment that is designed to store and display chilled and/or frozen foodstuffs.

**Refrigerated Display Cabinet equipment is considered to include the following:**

Refrigerated display cabinets are used to maintain foodstuffs and drinks at chilled and frozen temperatures. There are many different designs of refrigerated display cabinets, but all enable the customer to view the foodstuff stored in the cabinet, either through an opening in the cabinet, or through a transparent door or lid. The two types of cabinets included are:

- ‘Plug in’ refrigerated display cabinets with integral refrigeration systems (i.e. incorporating a compressor and condensing unit).
- ‘Remote’ refrigerated display cabinets that are designed to work with a non-integral refrigeration system (i.e. where the compressor and condenser, or all or parts of the refrigeration system are located at a different location from the cabinet).

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#### **Refrigerated Display Cabinets Eligibility Criteria:**

In order to be included on the Triple E Register, a refrigerated display cabinet must meet all the relevant conditions set out below.

(applicable to all refrigerated display cabinet equipment)

No.	Condition
1	All equipment and/or components must be CE-marked as required by the specific EU Directive(s).
2	Be designed to display chilled and/or frozen foodstuffs, while maintaining them within prescribed temperature limits
3	Conform to one of the temperature classifications in Commission Regulation (EU) 2019/2024 (laying down Ecodesign requirements for refrigerating appliances with a direct sales function), Annex III, Table 4 (“M and N values”) and 5 (“Temperature conditions and corresponding temperature coefficient values, C”) when tested to climate class (CC) factor of 1.00.

4 *	Have an Energy Efficiency Index (EEI) that is less than, or equal to, the threshold shown in <i>Table 2</i> of the above Ecodesign implementing regulation.
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**\*Table 2 from Annex II of Commission Regulation (EU) 2019/2024**

<i>Table 2</i>	
<b>Maximum EEI for refrigerating appliances with a direct sales function, expressed in %</b>	
	EEI
Ice-cream freezers	50
All other refrigerating appliances with a direct sales function, except refrigerated drum vending machines	80

----- *End of Triple E eligibility criteria* -----

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- *Please see next section for guidance on:*
  - 1. Technical details required in product submission**
  - 2. Supporting documentation required**

## Guidance on product details and supporting documentation

**NOTE: The following information is not part of the official criteria document published within the relevant Statutory Instrument. It has been added here for guidance purposes only in order to help you to provide (a) product details and (b) the required supporting documentation.**

*All information contained in this guidance document is subject to change without notice.*

### Technical information required in product submission

The following are the specific technical values required as part of the product submission for this technology:

#### Refrigeration and Cooling Product Type

You must first select which type of refrigeration and pooling product it is. Only one type can be chosen per product. The product must be one of the following types.

- 'Plug in' refrigerated display cabinets
- 'Remote' refrigerated display cabinets

**Energy Efficiency Index (EEI)** – as defined in Commission Regulation (EU) 2019/2024 laying down ecodesign requirements for refrigerating appliances with a direct sales function

### Supporting documentation required

This document must be read in full prior to submission of products.

Described below is the list of documents that are accepted as proof of compliance for the refrigerated display cabinets condition.

Note: This information will only be requested AFTER you submit your product's basic details online

#### Important Notes to Product Providers

Please ensure that you read the "Important Notes to Product Providers" section at the end of this document prior to submitting documentation. Always reference the relevant page number(s) when submitting supporting documentation.

### **General conditions**

(applicable to all Refrigerated Display Cabinets equipment)

<b>No.</b>	<b>Condition</b>	<b>Supporting Documentation Requirement</b>
1	All equipment and/or components must be CE-marked as required by the specific EU directive(s).	<p>Official and published manufacturer's technical data sheet or brochure that demonstrates CE marking compliance</p> <p><b>OR</b></p> <p>A copy of an official signed declaration on headed paper which confirms CE marking compliance.</p> <p>Official declarations should explicitly state the product for which CE marking is being confirmed (i.e. do not provide a letter simply stating general compliance with the relevant Triple E condition).</p> <p>Where a document is used to demonstrate conformance for a number of products or range of products, it should clearly specify each individual product covered by that document.</p>

No.	Condition	Supporting Documentation Requirement
2	Be designed to display chilled and/or frozen foodstuffs, while maintaining them within prescribed temperature limits	Official and published manufacturer’s technical data sheet, or brochure, that demonstrates compliance with the requirements of the condition
3	Conform to one of the temperature classifications in Commission Regulation (EU) 2019/2024 (laying down the Ecodesign requirements for refrigerating appliances with a direct sales function), Annex III, Table 4 (“M and N values”) and 5 (“Temperature conditions and corresponding temperature coefficient values, C”) when tested to climate class (CC) factor of 1.00.	Ecodesign technical documentation must be provided to demonstrate compliance with this criteria. The latest relevant Ecodesign implementing regulation must be referred to when responding to this criteria. The version at the time of writing is COMMISSION REGULATION (EU) 2019/2024 here: <a href="https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32019R2024&amp;from=EN">https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32019R2024&amp;from=EN</a>
4	Have an Energy Efficiency Index (EEI) that is less than, or equal to, the	Ecodesign technical documentation must be provided to demonstrate compliance with this criteria. The latest relevant Ecodesign implementing regulation must be referred to when

<p>threshold shown in <i>Table 2</i> of the above Ecodesign implementing regulation.</p>	<p>responding to this criteria. The version at the time of writing is COMMISSION REGULATION (EU) 2019/2024 here: <a href="https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32019R2024&amp;from=EN">https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32019R2024&amp;from=EN</a></p>
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## Important notes for product providers

### ***General***

There should be a clear link between all supporting documentation supplied and the product being submitted. This will typically take the form of a product code or product name that can be cross referenced between the submitted product and relevant supporting documentation. If product codes / names have been changed since publication of the supporting documentation, then official evidence of this must be provided with the supporting documentation supplied.

Any deviation from these requirements will result in the supporting documentation not being considered adequate for the purposes of demonstrating compliance with the criteria conditions. This will in turn delay the submission and/or result in the product not being considered eligible.

Where the Triple E criteria or help documentation references compliance to appropriate rather than specific standards, the onus is on the product provider to ensure that supporting documentation supplied references recognised standards that apply to the submitted product, i.e. the product must be covered under the scope of a recognised standard.

If any product submitted is later found not to meet the performance or specification criteria, then this product will cease to be considered eligible for the Triple E.

**Note:** When supplying the supporting documentation through the online process you must ensure that the correct page number(s) of the document is referenced when demonstrating compliance with the relevant condition. An explanatory note should also be given where more than one page number is referenced.



## **Test Report**

A test report must include an outline of the complete test, including:

- √ Introduction
- √ Details on test conditions
- √ The specific model details of the product tested
- √ The steps taken in the test
- √ The results
- √ Graphical representations
- √ Conclusion

All documents should be on headed paper and the document should be officially signed off.

**All documentation must be in English** or include adequate translation.

## **Certification**

Where certificates are provided, all tests must be carried out by an organisation that is accredited by a national accreditation body recognised via the European Cooperation for Accreditation (preferred) or the International Accreditation Forum.

**All documentation must be in English** or include adequate translation.

## **Scientific Equivalence**

Some Triple E criteria conditions allow for scientifically equivalent tests and/or standards to be used. In the event that a product has not been designed, manufactured or tested to the specific standard named, then documentation relating to an equivalent internationally recognised standard may be used (where the phrase 'Or scientific equivalent' is included in the Triple E condition or help documentation). In such applications, the onus will be on the product submitter to demonstrate satisfactory equivalence of the standards. However, submissions which reference such supporting documentation may take longer to process, and if the product provider does not provide satisfactory evidence of equivalence, then the product will not be considered eligible for the Triple E register.

**All documentation must be in English** or include adequate translation.

**Note:** Where specific standards are cited in a condition or in the Triple E help documentation, then documentation demonstrating that the relevant products have been designed, manufactured or tested to these specific standards is preferred. Scientific equivalence is considered the exception rather than the norm.

**Ecodesign documentation**

Energy labels and ecodesign technical documentation are as required by the implementing regulations of the Ecodesign Directive (2009/125/EC) and Energy Labelling Regulation (2017/1369) (as referenced earlier in this document).

**All documentation must be in English**, or include adequate translation.