



# ProCold Product Competition

*Professional and Commercial Refrigeration Equipment*

– Q&A –

5 September 2016

Several questions for clarification have been raised since the launch of the competition. Answers to these questions clarify and amend the existing competition rules.

**Question 1:** There is currently a new draft for the European Ecodesign Regulation for refrigerated commercial display cabinets circulating, which does not contain M and N values for calculating the EEI. Which version shall we use for submitting products to the competition?

**Answer:** The (draft) European Ecodesign Regulation for refrigerated commercial display cabinets as publicly available on 31 August 2016 shall be used for calculating the EEI. Should no newer draft version be available at that date, which contains complete rules for EEI calculation, the **draft version discussed at the consultation forum meeting on 2 July 2014** shall apply.

**Question 2:** Which specific version of a draft standard shall be used for testing if the standard has not been officially made available for purchase?

**Answer:** As of 1 July 2016 (the applicable date established in the competition rules) the following (draft) standards exist and shall be used for measuring energy consumption.

## Versions of measurements standards to be used as basis for competition submissions

Vertical chilled storage cabinets	<a href="#">EN 16825:2016</a> (approved)
Beverage coolers	<a href="#">FprEN 16902</a> (under approval)
Small ice cream freezers	<a href="#">FprEN 16901</a> (under approval)
Vertical supermarket refrigerator cabinets	<a href="#">EN ISO 23953-2:2015</a>
Refrigerated glass-fronted vending machines	<a href="#">EN 50597:2015</a> , measured at 25°C/60% RH*

\* EN 50597:2015 will be revised soon to better align with other standards and to be in alignment with the Ecodesign requirements. One planned change is with regard to the ambient test room conditions. In the existing standard these are fixed at 23°C/60% RH. In the upcoming revision of the norm these are expected to be fixed at 25 ± 2°C/60 ± 5% RH. These expected conditions shall apply for measurements for the product competition.

The specific measurement standards are now referenced in the competition rules.

**Question 3:** Which language versions of regulations and measurement norms maybe used?

**Answer:** In case of doubts, the English language versions shall apply.

**Question 4:** The competition rules state “The respective manufacturer must be able and agree to provide at no cost a standard appliance of the same type from its assembly line or warehouse, randomly picked by a representative of the ProCold Consortium or designated other representative.”

Supermarket refrigerator cabinets and in some instances also products from other categories are sometimes not produced in batches and hence may not be simply picked from assembly line and warehouse. What should manufacturers do in this case?

**Answer:** The ProCold team seeks to ensure a fair competition between manufacturers. To allow for a fair competition and also recognise such cases, manufacturers are asked to describe in detail the specific model and configuration used for testing and as it is available for purchase. The following amendments are made to the competition rules and submission form:

Competition rules:

The text for “Submission requirements” -> “d) Additional information on each product” -> “ii. Model (including alternative names for same model)” is changed to “ii. Model (including alternative names for same model) and specific configuration of model used for testing. The specified configuration must be described in a way that potential purchasers of the appliance are able to purchase an appliance with the same performance characteristics as the model submitted to the competition.”

Submission form:

The submission form is also changed accordingly. In the Section “Information on submitted product” the field “Model name and/or number” is changes to “Model name/number and exact configuration”

**Question 5:** The competition rules state that the product with the lowest designated EEI in each category will be tested by ProCold for verification and that the second best performing product will be tested if a change in ranking based on EEI is observed. When can we expect to make available to laboratories an appliance for testing if our product is the product with lowest/second lowest EEI in the preliminary ranking?

**Answer:** Appliances shall be made available within 8 business days upon request to the designated laboratory as specified in the Final Declaration. The product with the lowest EEI based on the preliminary ranking is expected to arrive at the designated laboratory in the second half of October (3-4 weeks after competition deadline). Possible tests of products with second lowest EEI are expected to take place in December or January. However, the ProCold team may decide to also test products with second lowest EEI together with the top performing products in selected or all categories already in October.

In the competition rules the text:

e) Should this test provide an EEI higher than the second best performing product but within the tolerances established in the applicable (draft) European Ecodesign Regulation, then the second best performing product will be tested as well to establish a definitive order and winning product based on the measured and calculated EEI values. If the two (or more) highest ranked products have an identical EEI rounded to one decimal, several winners will be announced.

Is modified as follows:

e) Should this test provide an EEI higher than the second best performing product but within the tolerances established in the applicable (draft) European Ecodesign Regulation, *or already in parallel to the testing of the top performing product (decision by ProCold team)*, the second best performing product will be tested as well to establish a definitive order and winning product based on the measured and calculated EEI values. If the two (or more) highest ranked products have an identical EEI rounded to one decimal, several winners will be announced.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 649293. The sole responsibility for the content of this document lies with the authors. It does not necessarily reflect the opinion of the European Union. Neither the EASME nor the European Commission are responsible for any use that may be made of the information contained therein.