

Editorial Issues with Energy Savings Scheme (Amendment No1) Rule 2021

NSW HEAB Refrigerated Cabinets (F1)

Activity Definition F1.1

Equipment Requirements

The second item '2. *The refrigerated cabinet product classes 1,2,7 and 11.*' should include a reference to product cabinet class 8.

The cabinet product class 8 (IFV) is included in F1.1, Table F1.1.1 but is not included in the preamble relating to the 'Equipment Requirements'.

Activity Definition F1.3

Equipment Energy Savings

The first bullet point should refer to the Baseline EEI as defined in *Table F1.3.1* and not *Table F1.3.* which does not exist.

Activity Definition F1.4

Equipment Requirements

The threshold EEI for cabinet product class 6 (GSC or ISC) is not specified in the 'Equipment Requirements'.

The other F1 activities include an item 2 in the 'Equipment Requirements' section relating to the Threshold energy efficiency level (EEI).

In F1.4 this item and the related text is missing, therefore there is no threshold EEI specified for cabinet product class 6.

It is suggested that a new item 2 be added with the wording in line with the other activities:

'The refrigerated cabinet must have an energy efficiency index (EEI) below 81 EEI, as recorded in the GEMS registry.'

In keeping with the other cabinet product classes, it is suggested that 81 would appear to be an appropriate threshold EEI.

Equipment Energy Savings

The first bullet point should refer to the Baseline EEI as defined in *Table F1.4.1* and not *Table F1.4.* which does not exist.

HEAB: Refrigerated Cabinets (F1) slide presentation.

Key changes: baselines

The table does not include Class 13 or Class 14, but instead has rows labelled duplicate Class 12 and Class 4.

Alternative Approach

Alternative single formula

The alternative formula to calculate Deemed Equipment Electricity Savings contains unassociated parenthesis.

It is assumed that it is intended to be:

$$\text{DEES} = \text{TEC} \times ((\text{Baseline EEI/Product EEI}) - 1) \times af \times 365 \times \text{Lifetime}/1000.$$

Where *af* is the adjustment factor used only for F1.5 RSCs. In all other instances *af* would equal 1.

The more complex formula can be used to show how different characteristics of cabinets affect the outcome which in the simplified formula is not possible. ie Effect of TDA or V_N is more apparent.

Option A.

A Single Activity Definition would not be completely suited to the different groups of refrigerated cabinets with Integral RDCs, Remote RDCs, RSCs, GSC/ISC and Ice cream freezers which to some extent have unique installation requirements and cabinet characteristics

Option B

Separate Activity Definitions would appear to be more suited with each group of similar applications (eg Class 1,2,7,8 and 11 together), (Class 12,13,14 and 15 together) treated in five separate groups as Activity Definitions.