

Guideline on Submission of Product Information

I. Introduction

1. Under the Energy Efficiency (Labelling of Products) Ordinance, Chapter 598, (hereafter “the Ordinance”), an importer or a local manufacturer shall not supply a prescribed product unless, among other things, it is a listed model with a reference number that is assigned in the name of him and is included in the record.
2. Modular Integrated Construction (MiC) contractors may refer to the “Guidance Note on Supply of Energy Label Prescribed Products at Modular Integrated Construction (MiC) Projects” for the requirements on supply of prescribed products at integrated modules under MiC method.
3. If a person wishes a reference number to be assigned to a product model in his name, he shall submit the specified information and specified documents in respect of the product model to the Director of Electrical and Mechanical Services (the Director) in accordance with the Ordinance.
4. This guideline is issued for providing guidance for submitting the specified information and specified documents in respect of a product model.

This guideline is applicable to all models of prescribed products which are not registered under the voluntary Energy Efficiency Labelling Scheme (VEELS). For product models that have been registered under the VEELS and the registration is valid at the time being, the Guideline on Transfer of Models Registered under the Voluntary Energy Efficiency Labelling Scheme should be followed.

5. A supplier should be familiar with this guideline in order that proper information and documents are submitted without causing hiatus or delay in processing the submission, and must ensure compliance with all the requirements under the Ordinance.

II. Submission of Product Information

1. In submitting relevant information for product model, the following Form 1 shall be used: :

<u>Form</u>	<u>Remark</u>
Form 1 – Submission of Specified Information and Specified Documents (EMSD/MEELS001(Sep 25))	Required for <u>EACH</u> product model

2. For ease of processing the submitted information, in completing Form 1, the technical details of the product model should be separately provided in the associated schedules (forming part of Form 1) according to its type as below:

- Product Technical Information Schedule 1:
Room Air Conditioner
- Product Technical Information Schedule 2:
Refrigerating Appliance

- Product Technical Information Schedule 3:
Compact Fluorescent Lamp
- Product Technical Information Schedule 4:
Washing Machine
- Product Technical Information Schedule 5:
Dehumidifier
- Product Technical Information Schedule 6:
Television
- Product Technical Information Schedule 7:
Storage Type Electric Water Heater
- Product Technical Information Schedule 8:
Induction Cooker
- Product Technical Information Schedule 9:
LED Lamp
- Product Technical Information Schedule 10:
Gas Cooker
- Product Technical Information Schedule 11:
Gas Instantaneous Water Heaters

3. In completing Form 1, reference should be made to the Code of Practice on Energy Labelling of Products.
4. Completed Form 1, together with required documents as stated in the form, shall be submitted to the Director in accordance with the Ordinance.
5. If the Director is satisfied that the specified information and specified documents in respect of a product model have been submitted as required, the Director is to assign a reference number to the model in the name of the person who made the submission, i.e. specified person, and issue a letter of notification informing him of that reference number.

III. Guidance Note for Completing Form 1 – Submission of Specified Information and Specified Documents (EMSD/MEELS001(Sep 25))

Note: Each page of Form 1 should be properly signed and endorsed with company chop.

Section A: Information of Person Submitting Specified Information & Documents

The person should indicate whether the specified information and specified documents are submitted by either a company or an individual. In case of a company, the name of the company, its Business Registration No. and its registered address should be provided. In case of an individual, the name of the individual, his/her Hong Kong Identify Card (H.K.I.D.) No. and his/her contact address should be provided. All the information should be completed in both English and Chinese, except for the registered address / contact address in Chinese which is optional. In both cases, the information of contact person, telephone no., fax number and E-mail address should be provided.

Section B: Basic Information of Product

The person should indicate the type of the product for the submission. The product brand, model name and place of

manufacture should be provided. If there are other listed models which belong to the same family of models of the product, their reference numbers should be provided.

Section C: Test Laboratory

If the submission for the product relies on and uses the test report of a listed model whose test report was submitted previously, its reference number should be provided. In this case, a declaration of identity on the product and the listed model should be signed by **BOTH** the manufacturer **AND** the person submitting the specified information and specified documents, and submitted in original. The name and address of the test laboratory for the product should be provided. If the test laboratory is accredited, the test laboratory accreditation body, the registration number and the expiry date of accreditation should be provided. The type of the test laboratory should be indicated by putting a tick '✓' in one of the boxes.

Section D: Supporting Documents /Certificates

This section is provided as a checklist for the person submitting specified information and specified documents to ensure that proper documents / certificates are submitted in order not to cause any hiatus or delay in processing the submission.

- Together with Form 1, the Product Technical Information Schedule for the product should be completed. The person should use one of the eight schedules for the product.
- The test report for the energy efficiency performance of the product should be submitted. The requirements in details on the test report are stipulated in the Code of Practice on Energy Labelling of Products.
- If the test laboratory is accredited by an accreditation body, a copy of the accreditation certificate for the test laboratory should be submitted. It must be ensured that the accreditation certificate should be valid at the time of testing.
- If the test laboratory is not accredited by an accreditation body, the person should submit the following documents:
 - Qualifying system certificate for manufacturer's operation in the laboratory
 - Certifying document issued by an independent certification body
 - Documents showing the qualification, experience and assessment procedure of the independent certification body
- Energy efficiency grading calculations should be submitted. The calculation should be carried out in accordance with the requirements as stipulated in the Code of Practice on Energy Labelling of Products.
- If the submission for the product relies on and uses the test report of a listed model whose test report was submitted previously, a declaration of identity on the product and the listed model should be signed by **BOTH** the manufacturer **AND** the person submitting the specified information and documents, and submitted in original.

- Certificate of Safety Compliance for the product in accordance with the requirements as stipulated under the Electrical Products (Safety) Regulation should be provided.
- (Applicable to gas cookers and gas instantaneous water heaters only) Documentary proof that the gas appliance complies with the Gas Safety Ordinance (Cap. 51) of the HKSAR should be provided.
- A copy of the Business Registration Certificate (in case of a company) or the H.K.I.D. (in case of an individual) should be submitted.
- All copies are marked as "certified true copy" and have the company chop, authorized person's name, position and signature.

Section E: Declaration

The person submitting specified information and documents for the product should complete item 1 of this section. For a company, a tick '✓' should be put on the item 2. Attention is drawn that the address and telephone number of the company will be disclosed to the public upon public request. For an individual, a tick '✓' should be put on the item 3. In item 3, the individual should indicate whether he/she agrees or disagrees that his/her address and/or telephone number and/or other contact be disclosed to the public upon public request. Upon agreement, he/she should indicate his/her address and/or telephone number and/or other contact which can be disclosed to the public upon public request.

1. Product Technical Information Schedule 1: Room Air Conditioner

Section A: Information on Energy Label

All the information provided in this section is to be displayed on the energy label of the product.

- A tick '✓' should be put on the appropriate box (1 to 5) of the energy efficiency grade in accordance with the Code of Practice on Energy Labelling of Products.
- A tick '✓' should be put on the appropriate box (1 to 5) of the energy efficiency grade in accordance with the Code of Practice on Energy Labelling of Products.
- The annual energy consumption for cooling in kWh should be the cooling seasonal energy consumption calculated based on the measured test results in the test report and rounded to an integer; The annual energy consumption for heating in kWh should be the heating seasonal energy consumption calculated based on the measured test results in the test report and rounded to an integer (if applicable).
- The full load cooling capacity in kW should be the measured test results in the test report and indicated to 2 decimal places; The full load heating capacity in kW should be the measured test results in the test report and indicated to 2 decimal places (if applicable).
- The refrigerant number of the refrigerant should be indicated (e.g. R-410A).
- The brand, model name and information provider should be indicated. The information provider should be the person submitting specified information and documents. Attention is drawn that the number of

characters are limited to a maximum of 24 and 18 characters for English and Chinese names respectively.

Section B: Other Details

- A tick '✓' should be put on the appropriate box (1 to 4) of the appliance category in accordance with the classification in the Code of Practice on Energy Labelling of Products.
- Both the rated values and measured values of the full load cooling capacity and full load power consumption in kW of the product should be indicated; Both the rated values and measured values of the full load heating capacity and full load power consumption in kW of the product should be indicated (if applicable).
- If it is a variable capacity type room air conditioner, both the rated values and measured values of the half / minimum cooling capacity/ heating capacity in kW and half / minimum load power consumption in kW of the product should be indicated (half values are applicable for multi-stage capacity or variable capacity type room air conditioners whereas the minimum values are applicable for two-stage capacity type room air conditioners).
- The rated values and measured values of the cooling seasonal performance factor should be calculated based on the rated values and measured values of the products in accordance with the Code of Practice on Energy Labelling of Products and indicated to 3 decimal places respectively; The rated values and measured values of the heating seasonal performance factor should be calculated based on the rated values and measured values of the products in accordance with the Code of Practice on Energy Labelling of Products and indicated to 3 decimal places respectively (if applicable).
- A tick '✓' should be put on the appropriate box (pass or fail) of the maximum cooling test on the product; A tick '✓' should be put on the appropriate box (pass or fail) of the maximum heating test on the product (if applicable).
- A tick '✓' should be put on the appropriate box (fixed capacity or two-stage capacity or multi-stage capacity or continuously variable capacity) of the type of compressor.
- A tick '✓' should be put on the appropriate box (single phase or three phase) of the type of power input.
- If the room air conditioner has a variable output capacity, the method of obtaining fixed output at full and half / minimum capacity during measurements in the test should be indicated (full and half capacities are applicable for multi-stage capacity or continuously variable capacity type room air conditioners whereas the full and minimum capacities are applicable for two-stage capacity type room air conditioners).

2. Product Technical Information Schedule 2: Refrigerating Appliance

Section A: Information on Energy Label

All the information provided in this section is to be displayed on the energy label of the product.

- A tick '✓' should be put on the appropriate box (1 to 5) of the energy efficiency grade in accordance with the Code of Practice on Energy Labelling of Products.
- The annual energy consumption in kWh should be calculated based on the measured test results in the test report and rounded to an integer.
- The fresh food volume and the frozen food volume should be calculated based on the measured test results in the test report and each rounded to an integer.
- The brand, model name and information provider should be indicated. The information provider should be the person submitting specified information and documents. Attention is drawn that the number of characters are limited to a maximum of 24 and 18 characters for English and Chinese names respectively.

Section B: Other Details

- A tick '✓' should be put on the appropriate box (1 to 8) of the appliance category in accordance with the classification in the Code of Practice on Energy Labelling of Products.
- Both the rated value and measured value of the storage volume of each compartment of the product should be indicated.
- The measured value of the storage temperature of each compartment of the product should be indicated.
- The rated value and measured value of the daily energy consumption at ambient temperature of 16 °C and 32°C (kWh/day), and the calculated annual energy consumption (kWh) of the product should be indicated.
- (For refrigerator-freezers only) The rated value and measured value of the additional daily energy consumption at ambient temperature of 16 °C and 32°C (kWh/day), and the calculated total annual energy consumption (kWh) of the product should be indicated.
- (For food freezers or refrigerator-freezers only) Both the rated value and measured value of the freezing capacity (kg/24 hours) of the product should be indicated.
- The refrigerant number of the refrigerant should be indicated (e.g. R-134a).
- The adjusted volume should be calculated in accordance with the Code of Practice on Energy Labelling of Products and indicated to 1 decimal place.
- The measured energy consumption index and the measured total energy consumption index (if applicable) should be calculated based on the measured values of the products in accordance with the Code of Practice on Energy Labelling of Products and indicated to 1 decimal place.

3. Product Technical Information Schedule 3:
Compact Fluorescent Lamp

Section A: Information on Energy Label

All the information provided in this section is to be displayed on the energy label of the product.

- A tick '✓' should be put on the appropriate box (1 to 5) of the energy efficiency grade in accordance with the Code of Practice on Energy Labelling of Products.
- The luminous efficacy in lumen/W should be calculated based on the measured test results in the test report and rounded to an integer.

Section B: Other Details

- The brand and model name should be provided.
- Both the rated value and the measured value at the end of 100-hour of the power consumption in W should be indicated.
- Both the rated value and the measured values at the end of 100-hour and 2,000-hour of the lumen output in lumen should be indicated.
- Both the rated value and the measured value at the end of 2,000-hour of the lumen maintenance in % should be indicated.
- Both the rated value and the measured value of the average life (life to 50% failures) in hour should be indicated.
- The rated luminous efficacy should be calculated based on the rated values of the product in accordance with the Code of Practice on Energy Labelling of Products.
- A tick '✓' should be put on the appropriate box (tube, tornado or others) of the lamp shape.
- A tick '✓' should be put on the appropriate box (B22, E14, E27 or others) of the type of lamp cap.
- The light colour and the colour temperature in K should be indicated.
- A tick '✓' should be put on the appropriate box (vapour, amalgam or others) of the type of mercury.

4. Product Technical Information Schedule 4:
Washing Machine

Section A: Information on Energy Label

All the information provided in this section is to be displayed on the energy label of the product.

- A tick '✓' should be put on the appropriate box (1 to 5) of the energy efficiency grade in accordance with the Code of Practice on Energy Labelling of Products.
- The annual energy consumption for washing in kWh should be calculated based on the measured test results in the test report and rounded to an integer.
- The washing capacity in kg should be indicated.
- The water consumption in litre should be calculated based on the measured test results in the test report and rounded to an integer.
- The brand, model name and information provider should be indicated. The information provider should be the person submitting specified information and

documents. Attention is drawn that the number of characters are limited to a maximum of 24 and 18 characters for English and Chinese names respectively.

Section B: Other Details

- Both the rated values and measured values of the energy consumption and the water consumption of the product should be indicated.
- A tick '✓' should be put on the appropriate box (1 to 2) of the appliance category in accordance with the classification in the Code of Practice on Energy Labelling of Products.
- The measured values of the washing performance and the water extraction performance of the product should be indicated in the appropriate box.
- A tick '✓' should be put on the appropriate box (Yes or No) of the product with or without built-in water heating device and with or without built-in dryer.
- The measured value of the volume of external hot water for category 1 washing machine with built-in water heating device should be indicated.
- The measured specific energy consumption in kWh/kg/cycle of the product should be indicated to 5 decimal places.

5. Product Technical Information Schedule 5: Dehumidifier

Section A: Information on Energy Label

All the information provided in this section is to be displayed on the energy label of the product.

- A tick '✓' should be put on the appropriate box (1 to 5) of the energy efficiency grade in accordance with the Code of Practice on Energy Labelling of Products.
- A tick '✓' should be put on the appropriate box (1 to 5) of the energy efficiency grade in accordance with the Code of Practice on Energy Labelling of Products.
- The annual energy consumption in kWh should be calculated based on the measured test results in the test report and rounded to an integer.
- The dehumidifying capacity in litre/day should be calculated based on the measured test results in the test report and indicated to 2 decimal places.
- The energy factor in liter/kWh should be calculated based on the measured test results in the test report and indicated to 2 decimal places.
- The brand, model name and information provider should be indicated. The information provider should be the person submitting specified information and documents. Attention is drawn that the number of characters are limited to a maximum of 24 and 18 characters for English and Chinese names respectively.

Section B: Other Details

- Both the rated values and measured values of the dehumidifying capacity and the energy consumption of the product should be indicated.
- A tick '✓' should be put on the appropriate box (pass or fail) of the maximum operating conditions test on the product.

- The refrigerant number of the refrigerant should be indicated (e.g. R-134a).

6. Product Technical Information Schedule 6: Television
Section A: Information on Energy Label

All the information provided in this section is to be displayed on the energy label of the product.

- A tick '✓' should be put on the appropriate box (1 to 5) of the energy efficiency grade in accordance with the Code of Practice on Energy Labelling of Products.
- The annual energy consumption in kWh should be calculated based on the measured test results in the test report and rounded to an integer.
- The diagonal screen size should be measured diagonal length of the product's visible screen in the test report and each rounded to an integer.
- The energy efficiency index should be calculated based on measured values of products in accordance with the Code of Practice on Energy Labelling of Products and indicated to 2 decimal places.
- The brand, model name and information provider should be indicated. The information provider should be the person submitting specified information and documents. Attention is drawn that the number of characters are limited to a maximum of 24 and 18 characters for English and Chinese names respectively.

Section B: Other Details

- The measured television visible screen area should be indicated to 1 decimal place.
- Both the rated value and measured value of the on-mode power consumption of the product should be indicated to 1 decimal place.
- Both the rated value and measured value of the standby power consumption of the product should be indicated to 1 decimal place.
- Both the rated value and measured value of the peak luminance ratio of the product should be indicated to 1 decimal place.
- Both the rated value and measured value of the diagonal screen size of the product should be indicated to 1 decimal place.

7. Product Technical Information Schedule 7: Storage Type Electric Water Heater

Section A: Information on Energy Label

All the information provided in this section is to be displayed on the energy label of the product.

- A tick '✓' should be put on the appropriate box (1 to 5) of the energy efficiency grade in accordance with the Code of Practice on Energy Labelling of Products.
- The annual standby loss energy consumption in kWh should be calculated based on the measured test results in the test report and rounded to an integer.
- The storage capacity in litre should be calculated based on the measured test results in the test report and indicated to 1 decimal place.
- The brand, model name and information provider

should be indicated. The information provider should be the person submitting specified information and documents. Attention is drawn that the number of characters are limited to a maximum of 24 and 18 characters for English and Chinese names respectively.

Section B: Other Details

- A tick '✓' should be put on the appropriate box (1 to 2) of the appliance category in accordance with the classification in the Code of Practice on Energy Labelling of Products.
- Both the rated values and measured values of the storage capacity should be indicated.
- Both the rated values and measured values of the standing loss energy consumption should be indicated.
- Both the rated values and measured values of hot water output should be specified in the appropriate box.
- Both the rated values and measured values of the reheating time which is contained hours, minutes and seconds of the product should be indicated in the appropriate box.
- The measured energy consumption index should be calculated based on the measured values of the products in accordance with the Code of Practice on Energy Labelling of Products and indicated to 1 decimal place.

8. Product Technical Information Schedule 8: Induction Cooker

Section A: Information on Energy Label

All the information provided in this section is to be displayed on the energy label of the product.

- A tick '✓' should be put on the appropriate box (1 to 5) of the energy efficiency grade in accordance with the Code of Practice on Energy Labelling of Products.
- The energy efficiency index should be calculated based on the measured values of the products in accordance with the Code of Practice on Energy Labelling of Products and indicated to 1 decimal place.

Section B: Other Details

- The brand and model name should be indicated. Attention is drawn that the number of characters are limited to a maximum of 24 and 18 characters for English and Chinese names respectively.
- Both the rated value and measured value of the thermal efficiency of each heating unit of the product should be indicated to 1 decimal place.
- Both the rated value and measured value of the standby power consumption of each heating unit of the product should be indicated to 1 decimal place.
- Both the rated value and measured value of the power input and energy consumption of each heating unit at the maximum heating mode should be specified as an integer.
- Both the rated value and measured value of the total power input at the maximum heating mode of the product should be specified as an integer.

- Both the rated value and measured value of the annual energy consumption of the product should be specified as an integer.

9. Product Technical Information Schedule 9: LED Lamp

Section A: Information on Energy Label

All the information provided in this section is to be displayed on the energy label of the product.

- A tick '✓' should be put on the appropriate box (1 to 5) of the energy efficiency grade in accordance with the Code of Practice on Energy Labelling of Products. The energy efficiency grading is determined by using the measured lamp luminous efficacy or the rated lamp luminous efficacy, whichever is smaller.
- The luminous efficacy in lm/W should be calculated based on the measured test results in the test report and indicated to 1 decimal place.

Section B: Other Details

- The brand and model name should be provided. Attention is drawn that the number of characters are limited to a maximum of 24 and 18 characters for English and Chinese names respectively.
- Both the rated value and the average measured value of initial measurements of luminous flux in lumen.
- Both the rated value and the average measured value of initial measurements of power consumption should be indicated.
- The average measured value of initial measurements of standby power consumption should be indicated if applicable.
- The average measured value of initial measurements of displacement factor should be indicated to 2 decimal places.
- The average measured value at 6000 hours of lumen maintenance in % should be indicated to 1 decimal place.
- The average measured value at 6000 hours of lamp survival factor in % should be indicated.
- A tick '✓' should be put on the appropriate box (Yes or No) of the measured value of initial measurements of switching cycle.
- A tick '✓' should be put on the appropriate box (Yes or No) to declare the measured value of each sample conforms to the following performance requirements as per the code of practice:
 - Measurement of number of switching cycle
 - Colour rendering index
 - Colour consistency
- A tick '✓' should be put on the appropriate box (B15d, B22d, E11, E12, E14, E17, E26, E27, GU10, GZ10, GX53 or others) of the type of lamp cap.
- A tick '✓' should be put on the appropriate box (White, Yellow, Variable color or Others) of the type of lamp cap.
- The colour temperature in K should be indicated.

10. Product Technical Information Schedule 10: Gas Cooker

Section A: Information on Energy Label

All the information provided in this section is to be displayed on the energy label of the product.

- A tick '✓' should be put on the appropriate box (1 to 5) of the energy efficiency grade in accordance with the Code of Practice on Energy Labelling of Products.
- The energy efficiency index should be calculated based on the measured values of the products in accordance with the Code of Practice on Energy Labelling of Products and indicated to 1 decimal place.
- A tick '✓' should be put on the appropriate box (Town Gas or LPG) of the gas type.

Section B: Other Details

- The brand and model name should be provided. Attention is drawn that the number of characters are limited to a maximum of 24 and 18 characters for English and Chinese names respectively.
- A tick '✓' should be put on the appropriate box (Tabletop or Built-in) of the cooker type.
- The thermal efficiency of each burner of the product should be indicated to 1 decimal place.
- Both the rated value and measured value of the heat input of each burner of the product should be indicated to 2 decimal place.

11. Product Technical Information Schedule 11: Gas instantaneous Water Heaters

Section A: Information on Energy Label

All the information provided in this section is to be displayed on the energy label of the product.

- A tick '✓' should be put on the appropriate box (1 to 5) of the energy efficiency grade in accordance with the energy efficiency grading calculation.
- The energy efficiency index at 100% load condition and 50% load condition should be calculated based on the measured values of the products in accordance with the Code of Practice on Energy Labelling of Products and indicated to 1 decimal place.
- The rated heat input in kw should be based on the test report and indicated to 1 decimal place.
- A tick '✓' should be put on the appropriate box (Town Gas or LPG) of the gas type.
- The brand, model name and information provider should be indicated. The information provider should be the person submitting specified information and documents. Attention is drawn that the number of characters are limited to a maximum of 24 and 18 characters for English and Chinese names respectively.

Section B: Other Details

- Both the rated value and measured value of the rated heat input in kW should be calculated based on the measured test results in the test report and indicated to 1 decimal place.