Energy Technology List

Department for Energy Security & Net Zero

Product application checklist

Please complete in BLOCK CAPITALS

Building Energy Management Systems

Manufacturer/supplier name: ....

Applicant's name: ....

Telephone number: ....

Product information

Product name: ....

Model number: ....

Please complete each section of this form based on your product's characteristics. Incomplete or incorrect data could affect the processing of your product application.

Each product application should be made on a separate form unless a product's design characteristics are common to all the products. In this instance a single application can be made for multiple products.

1.	Product testing and certification	No	Yes

Where type testing has been applied to demonstrate product performance (i.e. for Method B below) ensure that the information supplied is sufficient to demonstrate the performance of all the products for which applications are being made.

1.1	**Does the product have an appropriate Conformity Assessment mark?**		
1.2	**Is the product's system designed, where appropriate, to be compatible with the security principles of the IEC 62443 standards suite?**		
1.3	**If the product's system is connected via Internet Protocol, does it comply with the ETSI TS 303 645?**		

2.	Product type	No	Yes

2.1	**What building plant and services does your product manage?** *(Tick all that apply)*		
	a) Heating		
	b) Cooling		
	c) Domestic hot water		
	d) Ventilation		
	e) Air conditioning		
	f) Lighting		
	g) Blinds		
2.2	**Is the product interoperable by using published communication protocols?**		

3.	Product performance	No	Yes

3.1 Does your product conform to the class A functionality requirements from BS EN 15232-1:2017 as listed below?

    a) Report automatically captured data from meters or sensors at regular intervals in order to provide indoor conditions (e.g. temperature, meter values, etc.) and energy performance indicators)

    b) Provide and report trend functions and consumption determination

    c) Report analysis, performance evaluation and benchmarking

    d) Alarm functionality, with central indication of detected faults including diagnosis

    e) Setpoint management, with adaptation from a central point with frequent set back of user inputs, to ensure manual settings are temporary

    f) Set reminders for users to regularly review, from a central point, the appropriateness of building system operations. Reminders shall be sent following a predefined schedule with variable preconditioning phases

    g) BEMS with the capability to directly control building systems shall meet the criteria set out below in Table 1 as applicable. **Indicate in Table 1 below which criteria your product also meets.**

Table 1 ETL requirements for control features

Type of equipment controlled	Relevant ETL eligibility criteria	Tick all ETL criteria which apply	
HVAC equipment	**HVAC Building Controls**	Yes	No
Electrical lighting equipment	**Lighting controls**	Yes	No
Automatic monitoring and targeting equipment	**Automatic Monitoring & Targeting (aM&T) Sub-metering Systems**	Yes	No
Commercial refrigeration equipment	**Refrigeration system controls**	Yes	No
Two or more air compressors	**Master controllers**	Yes	No

4. Summary of documents to be included

No | Yes

Please send ONE copy of each of the following documents:

If the relevant information in support of the questions above is contained within a larger document, please indicate the location of the relevant information. Note that all documentation submitted must directly refer to the model numbers for which you are making this application. Documentation should be added to your online application.

a) A technical sales brochure or leaflet for the product clearly summarising:

    i) The key features of the product (ideally including photographs of the product's exterior).

    ii) The product's operation (i.e. in-built functionality) and intended applications (i.e. usage).

    iii) Any product selection options (including optional extras, alternative configurations etc.).

This documentation should contain sufficient detail to enable the assessor to confirm that the proposed entry on the Energy Technology Product List (ETPL) is correct, and uniquely represents a single product of fixed design (as defined by the rules of the ETL Scheme). If the model names contain any 'wildcards' in respect of cosmetic variations please check with ETL Questions that this is permitted before submitting your application.

b) A technical specification for the product, including:

    i) Details of the model numbers covered (including individual features of each model).

    ii) The product's design ratings (electrical, mechanical, thermal, flow rates, energy use etc.).

    iii) A description of how to install the product including connection/wiring diagrams. Where the product must be assembled, configured and/or commissioned on site before use, please include instructions.

This documentation should contain sufficient detail to enable the assessor to confirm that each product entry on the ETPL has the design features specified in the eligibility criteria for that category of product. Please indicate on the checklist where information on specific design feature information is located in the documentation.

c) Evidence that the products the performance criteria, including:

    i) Test reports showing product performance at the standard rating/test conditions.

    ii) Details of the test procedures/standards used to determine product performance.

    iii) A declaration certifying the accuracy of the test reports and confirming that:

- The test facilities complied with the minimum specifications outlined in the test standard, and the required test conditions where applied during testing.

- All measurement equipment used in testing was calibrated by an accredited laboratory, or its calibration is otherwise traceable back to national standards.

- Appropriate quality assurance procedures have been used to verify or cross-check the accuracy and repeatability of the test procedures and test results.

    iv) Where the test reports have not been prepared by an independent body, evidence that the accuracy of product performance data has been independently verified or cross-checked by an independent body.

Please refer to "ETL Guidance Note 5: Energy Technology List (ETL) Product Testing Framework" for further guidance on the submission of test results, and minimum information requirements.

d) A Declaration of Conformity with UK/EU Directives on product safety, including:

    i) An appropriate Conformity Assessment mark

e) Evidence that a quality assurance system/procedures is/are in place to:

    i) Control the specification, design, manufacturing and testing of the products.

f) Signed application checklist

Please note that all product documentation provided must be written in, or translated into, English.

5.   Declaration

I confirm that the information given above is correct to the best of my knowledge and that I have read and agree to the terms and conditions governing the management of the Energy Technology List.
A copy of the terms and conditions can be found **here**.

Signature: _____   Date: _____

For more information:

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