Appendix B – Manufacturer's CLS Product Information

This form is available in a Microsoft Word version from the ENA's website.

G100/2 - Form B - Compliance Verification Report for Customer Export or Import Limitation Schemes

This form shall be used by the **Manufacturer** to demonstrate and declare compliance with the requirements of EREC G100. The form can be used in a variety of ways as detailed below:

1. For **Fully Type Tested** status

   The **Manufacturer** can use this form to obtain **Fully Type Tested** status for a **CLS** by registering this completed form with the Energy Networks Association (ENA) Type Test Register.

2. To obtain **Type Tested** status for a product

   The **Manufacturer** can use this form to obtain **Type Tested** status for one or more **Components** which are used in a **CLS** by registering this form with the relevant parts completed with the Energy Networks Association (ENA) Type Test Register.

3. One-off Installation

   The **Installer** can use this form to confirm that the **CLS** has been tested to satisfy the requirements of this EREC G100. This form shall be submitted to the **DNO** before commissioning.

A combination of (2) and (3) can be used as required, together with Form C where compliance of the **CLS** is to be demonstrated on site.

Note:

If the **CLS** is **Fully Type Tested** and registered with the Energy Networks Association (ENA) Type Test Register, Form C shall include the **Manufacturer's** reference number (the Type Test Register system reference), and this form does not need to be submitted.

Where the **CLS** is not registered with the ENA Type Test Register or is not **Fully Type Tested** this form (all or in parts as applicable) shall be completed and provided to the **DNO**, to confirm that the **CLS** has been tested to satisfy all or part of the requirements of this EREC G100.

CLS Designation			
Manufacturer name			
Address			
Tel		Web site	
E:mail			
Installer's name			
Address			

Tel		Web site	
E:mail			

Export/Import capabilities			
Export	Y / N	Import	Y / N

Description of Operation
EREC G100 section **Error! Reference source not found.** requires a description of the **CLS**, and schematic diagram, to be provided to the **Customer**. Please provide that description and the diagram here.

Communications Media
Document the provisions made for the use of various communication media, and both the inherent characteristics and the design steps made to ensure security and reliability.

Cyber Security
Confirm that the **Manufacturer** or **Installer** of the **CLS** has provided a statement describing how the **CLS** has been designed to comply with cyber security requirements, as detailed in section **Error! Reference source not found.**.

Power Quality Requirements
Where the **CLS** includes the power electronics that controls generation or loads (as opposed to the power electronics being included in **Devices** that are subject to their own power quality compliance requirements) please submit the harmonic and disturbance information here as required by EREC G5 and EREC P28.

Fail Safe

CLS internal failure: please submit here the description of the internal **Fail Safe** design and operation. Please also document how it has been demonstrated, including the non-volatile recording of times and numbers of state 2 operations, and confirm the overall response of the **CLS** to this internal failure.
Communication and power supply failures between **Components** and **Devices**. Please document here compliance with EREC G100 section **Error! Reference source not found.**.

Component/Device number/description	Communication failure test	Power supply failure test

Operational Tests

In accordance with EREC G100 section **Error! Reference source not found.** undertake the tests A to D to confirm correct operation in state 1 and state 2, that transition into state 3 occurs as required, and that behaviour in state 3 is also as required.

Test A

Nominal Export Limit (for type tests this will be at maximum, minimum and one intermediate setting) in Amp:	
Nominal Import Limit (for type tests this will be at maximum, minimum and one intermediate setting) in Amp:	

No	Starting level	Step value	**CLS** registers change in level?	**CLS** and/or **Component** and/or **Device** initiates correct response of ≥ 5%?	Duration of step in test	Correct state 1/ state 2 operation
1						
2						
3						
4						
5						
6						

Test B

Nominal Export Limit:	
Nominal Import Limit	

No	Starting level	Step value	**CLS** registers change in level?	**CLS** and/or **Component** and/or **Device** initiates correct response of ≥ 5%?	Duration of step in test	Correct state 3 operation
7						
8						
Test C						
Nominal Voltage						
No	Starting voltage	Step value	**CLS** registers change in voltage?	**CLS** and/or **Component** and/or **Device** initiates correct response?	Duration of step in test	Correct state 1/ state 2 operation
9						
Test D						
Nominal Voltage						
No	Starting voltage	Step value	**CLS** registers change in voltage?	**CLS** and/or **Component** and/or **Device** initiates correct response?	Duration of step in test	Correct state 3 operation
10						

Test E						
Nominal Voltage						
No	Starting voltage	Step value	**CLS** registers change in voltage?	**CLS** and/or **Component** and/or **Device** initiates correct response?	Duration of step in test	Correct state 1/ state 2 operation
11						
Test F						
Nominal Voltage						
No	Starting voltage	Step value	**CLS** registers change in voltage?	**CLS** and/or **Component** and/or **Device** initiates correct response?	Duration of step in test	Correct state 3 operation
12						
Test G						
Nominal Voltage						
No	Starting voltage	Step value	**CLS** registers change in voltage?	**CLS** and/or **Component** and/or **Device** initiates correct response?	Duration of step in test	Correct state 1/ state 2 operation
13						
Test H						
Nominal Voltage						
No	Starting voltage	Step value	**CLS** registers change in voltage?	**CLS** and/or **Component** and/or **Device** initiates correct response?	Duration of step in test	Correct state 3 operation
14						
Test J						
Nominal Voltage						
No	Starting voltage	Step value	**CLS** registers change in voltage?	**CLS** and/or **Component** and/or **Device** initiates correct response?	Duration of step in test	Correct state 1/ state 2 operation

15						
Test K						
Nominal Voltage						
No	Starting voltage	Step value	**CLS** registers change in voltage?	**CLS** and/or **Component** and/or **Device** initiates correct response?	Duration of step in test	Correct state 3 operation
16						

State 3 Reset
These tests are to demonstrate compliance with section EREC G100 **Error! Reference source not found.**. Please document how the reset from state 3 to state 1 has been demonstrated. Please include how the reset is achieved. Please confirm that for **CLSs** to be installed in **Domestic installations** three (3) resets causes lockout or that for non-domestic installations lockout can only be reset after four hours. Please explain how lockout is reset.