FORM NC6
MICROGENERATION NOTIFICATION

Protection settings for EN 50549 pre- January 28th 2022 (set by Installer) and EN 50438 (pre-set by Manufacturer)

Parameter	Trip setting	Clearance time
Over voltage	230 V + 10%	0.5 s
Under voltage	230V − 10%	0.5 s
Over frequency (*)	52 Hz	0.5 s
Under frequency (*)	47 Hz	20 s
An explicit Loss of Mains functionality must be included. Established methods such as, but not limited to, Rate of Change of Frequency (ROCOF), Vector Shift or Source Impedance Measurement may be used. Where Source Impedance is measured, this must be achieved by purely passive means. Any implementation which involves the injection of pulses onto the DSO network, shall not be permitted.		
ROCOF (where used) (**)	1.0 Hz/s	0.6 s
Vector Shift (where used)	6 degrees	0.5 s

Where available:

(*) For relays that have a setting step of 0.1Hz then the frequency should be set to 52.1Hz and 46.9Hz respectively.

(**) Reset interval should be set to >0.6 seconds to detect step change

Important Note:

- **No deviations from the protection settings in the above Table shall be allowed without permission in writing from ESB Networks.**

- **If a deviation exists, please provide correspondence from ESB Networks confirming acceptance of this deviation to networkservicesbureau@esb.ie**

Details of the Generator interface protection settings installed are as per those applicable in the Conditions Governing the Connection and Operation of Microgeneration (DTIS-230206-BRL) current at date of application, and the actual settings installed on the Microgenerator are as listed above.

Microgeneration installed pre- January 28th 2022
*Not applicable for multiple MPRN Applications

Microgenerator Manufacturer:

Model No:

Corresponding Type Test Certificate Referencing above Unit:

Single/Three Phase: Single: ☐   Three: ☐

Installer Details

I confirm that the above information is accurate:	
Installer Name:	**Installer SafeElectric No.**
Installer Mobile No.	**Installer email:**
Installer Address [inc. Eircode]:	
Signature:	
Date:	