NETWORKS

FORM NC6
MICROGENERATION NOTIFICATION

Protection settings for EN 50549 post- January 28th, 2022

Parameter		Trip setting	Clearance time	Confirm Settings Applied (Y/N)
Over Voltage				
Pre I.S EN 50549-1 Single Stage Voltage Setting		269 V / 468 V	0.7 s	
I.S. EN 50549-1 Two Stage Voltage Settings	Stage 1	269 V / 468 V	70 s	
	Stage 2	281 V / 488 V	0.7 s	
Under voltage		191 V / 332 V	0.7 s	
Over frequency*		52 Hz	0.5 s	
Under frequency*		47 Hz	0.5 s	
An explicit Loss of Mains functionality shall be included. Established methods such as, but not limited to, Rate of Change of Frequency, or Source Impedance Measurement may be used. Where Source Impedance is measured, this shall be achieved by purely passive means. Any implementation which involves the injection of pulses onto the DSO network, shall not be permitted.				
ROCOF (**)		1.0 Hz/s	0.6 s	
Vector Shift		Not permitted		

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

(**) 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 proposed for installation after January 28th, 2022 – EN 50549

*Not Applicable for Multiple MPRN Applications

Microgenerator Manufacturer:

Model No:

Corresponding Type Test Certificate Referencing above Unit:

Single/Three Phase: Single: ☐ Three: ☐

The Protection Settings listed should be set on the unit either **prior to installation** or **on installation**, and should be as confirmed by the Safe Electric Installer.

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:	