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| **Form A1-2 : Application for connection of Fully Type Tested Generation under the Small Generation Installation Procedures**  For **Small Generation Installation** Procedures 2 or 3, this simplified application form can be used where all of the following eligibility conditions are met:   * The new and existing **Generating Unit**s are located in a single **Generator’s Installation**; * The **Intrinsic Design Capacity (IDC)** of each new and existing **Generating Unit** is no more than 32 A; * All of the **Generating Unit**s (including **Electricity Storage** devices) are connected via EREC G98 or EREC G99 **Fully Type Tested** inverters[;20](#_bookmark0) * The total aggregate **Registered Capacities** of all the **Generating Unit**s (including **Electricity Storage** devices) is less than 60 A per phase; and * Where required by the relevant **Small Generation Installation** procedure SGI-2 or SGI-3, an EREC G100 compliant export limitation scheme is present that limits the export from the **Generator’s Installation** to the **Distribution Network**;   **DNO**s may have their own forms; refer to the **DNO**’s websites and online application tools. The application should include the **Manufacturer**’s reference number (the system reference) from the ENA Type Test Register. A full list of the compliant device system reference numbers is available through the Type Test Register at ENA Type Test Register (<https://connect-direct.energynetworks.org/>).  If all the eligibility conditions apply the **DNO** will confirm that the installation can proceed. The planned commissioning date stated on the application shall be between 10 working days and 3 months from the date the application is submitted.  On completion of the installation the **Installer** shall submit the commissioning sheets, as required in EREC G100 alongside the EREC G99 forms. | |
| To ABC electricity distribution **DNO**  99 West St, Imaginary Town, ZZ99 9AA [abced@wxyz.com](mailto:abced@wxyz.com) | |
| **Generator details:** | |
| **Generator** (name) |  |
| Address |  |
| Post Code |  |
| Contact person (if different from **Generator**) |  |
| Telephone number |  |

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20 Or **Type Tested** to EREC G83 or G59 where the **Generating Unit** was connected prior to 27 April 2019.

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| E-mail address | | | | |  | | | | | |
| MPAN(s) | | | | |  | | | | | |
| **Installer details:** | | | | | | | | | | |
| **Installer** | | | | |  | | | | | |
| Accreditation / Qualification | | | | |  | | | | | |
| Address | | | | |  | | | | | |
| Post Code | | | | |  | | | | | |
| Contact person | | | | |  | | | | | |
| Telephone Number | | | | |  | | | | | |
| E-mail address | | | | |  | | | | | |
| **Installation details**: | | | | | | | | | | |
| Address | | | | |  | | | | | |
| Post Code | | | | |  | | | | | |
| MPAN(s) | | | | |  | | | | | |
| **Details of existing Generating Units – where applicable:** | | | | | | | | | | |
| **Manufacturer** | Approximate Date of Installation | Energy source and energy conversion technology (enter codes from tables 1  and 2 below form) | | **Manufacturer**’s Ref No. where available | | **Generating Unit Intrinsic Design Capacity** & **Registered Capacity** (kW)\* | | | | Energy storage capacity for **Electricity Storage** devices (kWh) |
| 3 -phase units | | Single Phase Units | |
| **IDC** | **RC** | **IDC** | **RC** |
| Src | Tech |
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| **Details of proposed additional Generating Unit(s)** | | | | | | | | | |
| **Manufacturer** | Approximate Date of Installation | Energy source and energy conversion technology (enter codes from tables 1  and 2 below) | | **Manufacturer**’s Ref No. where available | **Generating Unit Intrinsic Design Capacity** & **Registered Capacity** (kW)\* | | | | Energy storage capacity for **Electricity Storage** devices (kWh) |
| 3-phase units | | Single Phase Units | |
| **IDC** | **RC** | **IDC** | **RC** |
| Src | Tech |
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| **Details of Export Limitation Scheme** | | | | | | | | | |
| Where an export limitation scheme is required by SGI-2 or SGI-3 please state export limit setting in amps. | | | | | | |  | | |
| **Please confirm all of the statements are true by ticking each box:** | | | | | | | | | |
| The **Generating Unit**(s) is located in a single **Generator’s Installation**. | | | | | | | | |  |
| The **Intrinsic Design Capacity** of each new and existing **Generating Unit** is no more than 32 A. | | | | | | | | |  |
| All of the **Generating Unit**s (including **Electricity Storage** devices) are connected via EREC G99 or G98 **Type Tested Inverters** (or EREC G59 or G83 **Type Tested Inverter**s, where the **Power Generating Unit** was installed prior to 27 April 2019) | | | | | | | | |  |
| The total aggregate **Registered Capacity** of the **Generating Unit**s (including  **Electricity Storage** devices) is no more than 60 A per phase. | | | | | | | | |  |
| An EREC G100 compliant export limitation scheme is present that limits the export from the **Generator’s Installation** to the **Distribution Network** if required by SGI-2 or SGI-3. | | | | | | | | |  |
| **The following information should be submitted with the application:** | | | | | | | | | |
| Copy of single line diagram of export limitation scheme | | | | | | | | | |
| Explanation / description of the EREC G100 export limitation scheme operation including a description of the fail-safe functionality, ie the response of the scheme following failure of any component or device of the fail-safe system, or following any loss of communication between the components and devices of the scheme. | | | | | | | | | |

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| Note, fail-safe tests are not required at installations where all **Generating Unit**s are EREC G83 or EREC G98 **Type Tested**, aggregated capacity is not more than 32 A per phase and export capacity is limited to 16 A per phase. | | |
| **Additional details:** | | |
| Target date for provision of connection / commissioning of new **Generating Units** devices:\*\* |  |  |
| EREC G100 compliance declaration / EREC G100 Type Test reference as applicable: |  |  |
| Signed : |  | Date : |
| Use continuation sheet where required.  \* Record **Generating Unit Registered Capacity** kW at 230 AC, to one decimal place, under PH1 for single phase supplies and under the relevant phase for two and three phase supplies.  \*\*The planned commissioning date shall be at least 10 working days from the date of application but not more than 3 months in advance (connection offers are only valid for 3 months). | | |

Table 1

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| --- | --- |
|  | Energy Source |
| A | Advanced Fuel (produced via gasification or pyrolysis of biofuel or waste) |
| B | Biofuel - Biogas from anaerobic digestion (excluding landfill & sewage) |
| C | Biofuel - Landfill gas |
| D | Biofuel - Sewage gas |
| E | Biofuel - Other |
| F | Biomass |
| G | Fossil - Brown coal/lignite |
| H | Fossil - Coal gas |
| I | Fossil - Gas |
| J | Fossil - Hard coal |
| K | Fossil - Oil |
| L | Fossil - Oil shale |
| M | Fossil - Peat |
| N | Fossil - Other |
| O | Geothermal |
| P | Hydrogen |
| Q | Nuclear |
| R | Solar |
| S | Stored Energy (all stored energy irrespective of the original energy source) |
| T | Waste |
| U | Water (flowing water or head of water) |
| V | Wind |
| W | Other |

Table 2

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| --- | --- |
|  | Energy Conversion Technology |
| 1 | Engine (combustion / reciprocating) |
| 2 | Fuel Cell |
| 3 | Gas turbine (OCGT) |
| 4 | Geothermal power plant |
| 5 | Hydro - Reservoir (not pumped) |
| 6 | Hydro - Run of river |
| 7 | Hydro - Other |
| 8 | Interconnector |
| 9 | Offshore wind turbines |

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| 10 | Onshore wind turbines |
| 11 | Photovoltaic |
| 12 | Steam turbine (thermal power plant) |
| 13 | Steam-gas turbine (CCGT) |
| 14 | Tidal lagoons |
| 15 | Tidal stream devices |
| 16 | Wave devices |
| 17 | Storage - Chemical - Ammonia |
| 18 | Storage - Chemical - Hydrogen |
| 19 | Storage - Chemical - Synthetic Fuels |
| 20 | Storage - Chemical - Drop-in Fuels |
| 21 | Storage - Chemical - Methanol |
| 23 | Storage - Electrical - Supercapacitors |
| 24 | Storage - Electrical - Superconducting Magnetic ES (SMES) |
| 25 | Storage - Mechanical - Adiabatic Compressed Air |
| 26 | Storage - Mechanical - Diabatic Compressed Air |
| 27 | Storage - Mechanical - Liquid Air Energy Storage |
| 28 | Storage - Mechanical - Pumped Hydro |
| 29 | Storage - Mechanical - Flywheels |
| 30 | Not used |
| 31 | Not used |
| 32 | Not used |
| 33 | Storage - Electrochemical Classic Batteries -Lead Acid |
| 34 | Storage - Electrochemical Classic Batteries -Lithium Polymer (Li-Polymer) |
| 35 | Storage - Electrochemical Classic Batteries -Metal Air |
| 36 | Storage - Electrochemical Classic Batteries -Nickle Cadmium (Ni-Cd) |
| 37 | Storage - Electrochemical Classic Batteries -Sodium Nickle Chloride (Na-NiCl2) |

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|  | Energy Conversion Technology |
| 38 | Storage - Electrochemical Classic Batteries -Lithium Ion (Li–ion) |
| 39 | Storage - Electrochemical Classic Batteries -Sodium Ion (Na–ion) |
| 40 | Storage - Electrochemical Classic Batteries -Lithium Sulphur (Li-S) |
| 41 | Storage - Electrochemical Classic Batteries -Sodium Sulphur (Na-S |
| 42 | Storage - Electrochemical Classic Batteries -Nickle –Metal Hydride (Ni-MH) |
| 43 | Storage - Electrochemical Flow Batteries - Vanadium Red-Oxide |
| 44 | Storage - Electrochemical Flow Batteries - Zinc – Iron (Zn –Fe) |
| 45 | Storage - Electrochemical Flow Batteries - Zinc – Bromine (Zn –Br) |
| 46 | Storage - Other |
| 47 | Other |