

## Application for a New Connection

### FOR OFFICIAL USE ONLY

B.P. No: \_\_\_\_\_

MPRN: \_\_\_\_\_

## Introduction

This application form outlines the information ESB Networks DAC requires to progress an application for connection to the Electricity Distribution System. All applications must comply with the Distribution Code and ESB Networks DAC Conditions Governing Connection to the Distribution System. These can be found on our website: [esbnetworks.ie](http://esbnetworks.ie).

Please note that this application form only deals with LV (230/400V), 10kV, 20kV, 38kV and in some cases, 110kV connections. If a higher connection voltage is required the applicant should contact the Customer Relations Team in EirGrid: +353 1 237 0472 or [info@eirgrid.com](mailto:info@eirgrid.com).

ESB Networks DAC reserves the right to request additional data if necessary and the applicant should provide such information promptly during and post the offer process.

It is ESB Networks DAC responsibility to determine distribution connection method. If the applicant has a specific request this will be considered and examined in this process. The selected method will be based on the overall least cost technically acceptable solution **unless the Applicant requests otherwise or ESB Networks DAC requires an alternative method for system reasons.**

This application form must be submitted in **electronic format**. Electronic files must be submitted via email (all electronic files should be a cumulative maximum of 5MB or less).

Definitions of terms used in this form can be found in the glossary of the Distribution Code.

When the application form is fully completed email the form and all relevant documentation to:

**DSOGenerators@esb.ie**

If any queries arise ESB Networks DAC can be contacted at 1800 372 757 or [DSOgenerators@esb.ie](mailto:DSOgenerators@esb.ie)

Please note that in accordance with the Commission for Regulation of Utilities, some information from your completed application form will be published on the ESB Networks website: [esbnetworks.ie](http://esbnetworks.ie). Please also see CRU's website for more detail: [cru.ie](http://cru.ie).

Please Note: Information contained within this application form may need to be shared with the Transmission System Operator in order to sufficiently assess your application.

The Form NC5 should be used where an applicant has identified their specific generator manufacturer detail and would like their technical study processed using the specified data provided by the applicant. Form NC5A is a shortened version of this form and may be used where the specific generator manufacturer detail is unknown at time of application. Therefore the technical study is completed using assumed data and the applicant is required to provide their specific data a year in advance of energisation. For more detail on which is the most suitable, please refer to our website [esbnetworks.ie](http://esbnetworks.ie)

**Please note: Incomplete applications will not be accepted.**



Contestable ☐ Non-Contestable ☐

Overhead Line ☐ Underground Cable ☐ No preference ☐

Preferred ESB substation to connect to? Yes\* ☐ No ☐

\*If Yes, please provide further detail in accompanying cover letter.

Please visit the Large scale generation section of our website [esbnetworks.ie](https://esbnetworks.ie) for more information on application and modification fees. Please refer to our website [esbnetworks.ie](https://esbnetworks.ie) on payment methods available.

Noted \* ☐ Date of EFT Payment

A 1:50,000 “Discovery Series” Ordnance Survey map, with the location of the connection point clearly marked with an “X” and indicating the site boundary.

A plan of the site (in an appropriate scale) of the proposed facility (including any existing generation installation), indicating the site boundary, the proposed location of the connection point, generators, transformers, site buildings etc.

A draft electrical single line diagram of the proposed facility detailing all significant items of plant and their values including:

- Relevant Voltage Levels
- Relay Types
- Location of Alternative Connections (e.g. house load)
- Interlocking
- CT/VT ratios
- Network Connecting Transformer(s) (if applicable)
- Earthing and Synchronising Arrangements
- Generator Transformer(s)
- Power Factor Correction

## 7. SITE LOAD DATA:

\*If Yes, include NC3 Notification Number: | | | | | | | | | |

|                                                                                                                                                                                                    | Unit 1 (or Type 1)                                       | Unit 2 (or Type 2)                                       | Unit 3 (or Type 3)                                       | Unit 4 (or Type 4)                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| Type of Generation Plant:<br>(i.e. Wind, Solar, CCGT, OCGT, Biomass, etc.)                                                                                                                         |                                                          |                                                          |                                                          |                                                          |
| If two or more technology types are to be constructed under this MEC, please state what portion of the MEC (as set out in General Details Section) is attributed to each type of generation plant: |                                                          |                                                          |                                                          |                                                          |
| Installed Generation Capacity (MW) per Unit/Inverter:                                                                                                                                              |                                                          |                                                          |                                                          |                                                          |
| Total Number of Generation Units/Inverters                                                                                                                                                         |                                                          |                                                          |                                                          |                                                          |
| Generator Rated MVA:                                                                                                                                                                               |                                                          |                                                          |                                                          |                                                          |
| For Solar, is the installation Ground mounted?                                                                                                                                                     | Yes <input type="checkbox"/> No <input type="checkbox"/> | Yes <input type="checkbox"/> No <input type="checkbox"/> | Yes <input type="checkbox"/> No <input type="checkbox"/> | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| For Solar, please state the total installation of panels (MWs)                                                                                                                                     |                                                          |                                                          |                                                          |                                                          |

## 9. INDEPENDENCE OF CONTIGUOUS GENERATORS:

A Generator Power Station will be deemed to be unrelated to and independent of the other Generator Power Stations already present in a Contiguous Generator Site ("Independent Generator Power Station") if:

- the Applicant, where a body corporate, is not a related undertaking of another Generator Power Station already present in the Contiguous Generator site or in respect of which an application for a Connection Agreement has been made to the DSO or the TSO;
- no person or body corporate holding 50% or more of the equity or voting rights in the Applicant is a person connected with any other person or body corporate holding 50% or more of the equity or voting rights in another Generator Power Station present in the Contiguous Generator site ("Connected Person").

The Generator Power Station is/will be independent from contiguous Generators    Yes ☐    No ☐

## PART 2 - DS3 APPLICANTS ONLY

### 10. DS3 TECHNICAL DETAILS REQUIRED<sup>1</sup>:

Please indicate which services can be provided

FFR ☐    POR ☐

#### Fast Frequency Response

What level of FFR can be provided? \_\_\_\_\_ (MW)

For how many hours per year can the service be provided? \_\_\_\_\_ Hrs

#### Service at low MW outputs

Can the service be provided at 0MW output levels?                      Yes ☐    No ☐

Can the service be provided while operating below 20% of MEC?    Yes ☐    No ☐

#### Primary Operating Reserve

What level of POR can be provided? \_\_\_\_\_ (MW)

For how many hours per year can the service be provided? \_\_\_\_\_ Hrs

#### Service at low MW outputs

Can the service be provided at 0MW output levels?                      Yes ☐    No ☐

Can the service be provided while operating below 20% of MEC?    Yes ☐    No ☐

<sup>1</sup>If an applicant makes a false, misleading or inaccurate declaration in respect of DS3 eligibility requirements, this will be deemed to be an "event of default" under any resulting connection agreement.

## PART 3 - ALL APPLICANTS

### 11. PLANNING PERMISSION CONFIRMATION<sup>1</sup>: (This section applies to all applicants)

Does your generator project require planning permission?

- ☐ Yes: go to **A: Planning status**
- ☐ No - if your project is exempt from planning permission, go to **B: Planning exempt**

#### A: Planning status

Planning Reference No:

Authority Applied to:

Planning status

☐ **Acknowledged/validated**

Acknowledgement Date:

Acknowledgement letter must be attached: Noted ☐

OR

☐ **Granted**

Planning Permission Grant Date:

Planning Permission Expiry Date:

Extension applied for? Yes ☐ No ☐ N/A ☐

#### B: Planning exempt

Please provide below the reason for exemption and if Section 5 is applicable.

|  |
|--|
|  |
|  |
|  |
|  |

#### Applicant confirmation

I, (Name in Block Capitals):

Position:

on Behalf of (Company Name in Block Capitals as specified in Applicant Details of this application form)

confirm that the Planning Permission detailed above, for the generator project as specified in this application form, is correct.

**Applicant Signature:**  **Date:**

#### Solicitor / Planning Consultant Confirmation:

I, (Name in Block Capitals):

Profession:

on Behalf of (Company Name in Block Capitals as specified in Applicant Details of this application form)

warrant that I have conducted all necessary checks and am satisfied that the Planning Permission detailed above, for the generator project as specified in this application form, is correct

**Signed:**  **Date:**

Solicitors<sup>2</sup> / Planning Consultant Number<sup>3</sup>

Solicitors / Planning Consultant Address

Solicitor / Planning Consultant Stamp (where possible):

<sup>1</sup>Planning permission is the responsibility of the applicant. ESB Networks DAC accepts no responsibility for checking details of planning permission. If an applicant makes a false, misleading or inaccurate declaration in respect of planning permission requirements, this will be deemed to be an "event of default" under the connection agreement.

<sup>2</sup>As per the Law Society of Ireland ([www.lawsociety.ie](http://www.lawsociety.ie)). <sup>3</sup>As per the Irish Planning Institute ([www.ipi.ie](http://www.ipi.ie)) or Royal Town Planning Institute ([www.rtpiconsultants.co.uk](http://www.rtpiconsultants.co.uk))

## 12. LANDOWNER CONSENT CONFIRMATION<sup>1</sup>:

I, (Name in Block Capitals):

Position:

on Behalf of (Company Name in Block Capitals as specified in Applicant Details of this application form)

confirm that all necessary landowner consents are in place for the substation at the coordinates as specified in Site Details of this application form and the generation site.

**Applicant Signature:**  **Date:**

and verified by Solicitor (Name in Block Capitals)

**Signed:**  **Date:**

Solicitor Number:

Solicitor Address:

**Please note the application will be returned to the applicant if submitted without a solicitors stamp and / or solicitor number.**

Solicitors stamp:

<sup>1</sup>Landowner consent is the responsibility of the applicant. ESB Networks DAC accepts no responsibility for checking details of landowner consent. If an applicant made a false, misleading or inaccurate declaration in respect of landowner consent, this will be deemed to be an "event of default" under the connection agreement.

## 13. SIGNATURE OF APPLICANTS:

I/We accept ESB Networks DAC General Conditions relating to the connection and all amendments, which ESB Networks DAC may make from time to time. I/We agree to grant ESB Networks DAC all necessary access to bring the network to the premises. I/We acknowledge that ESB Networks DAC shall be entitled to connect other customers to the network.

**Signature of Applicant:**  **Date:**

If signing on behalf of a Partnership, Limited Company, or other Legal Entity, or as a duly Authorised Agent.

**Full Name in Block Capitals:**

**Position:**

[ESB Networks DAC may require the signatory to produce evidence of authority to bind the applicant by his/her signature].

**Signature of Witness:**  **Date:**

**Full Name in Block Capitals:**

**Address of Witness:**

## DATA PROTECTION

ESB Networks DAC may use your personal data to the extent necessary (a) to set up and manage your connection agreement (b) for compliance with its licence and other legal obligations; and/or (c) for its legitimate interests (provided those interests do not conflict with your fundamental rights and freedoms) Personal data provided by you in this application form may be disclosed to other parties in the following circumstances:

- In performing its functions, ESB Networks DAC may utilise the services of contractors or other suppliers. ESB Networks DAC may disclose your data to these parties to the extent necessary to perform their functions and provided they are only permitted to use your data as instructed by ESB Networks DAC. They are also required to keep your data safe and secure.
- ESB Networks DAC may make available the existence, location and/or technical aspects of your connection to licensed electricity supply companies and other parties involved in your electricity supply. In the case of new connections, ESB Networks DAC will make available your telephone contact number to licensed electricity supply companies in order to facilitate energisation of the connection.
- ESB Networks DAC may be required by law, or our license obligations, to provide data that ESB Networks DAC holds about you, your electricity supply or connection, to government agencies or departments, the Commission for Regulation of Utilities or other third parties.
- Contact details may also be provided to a professional third party market research company for the purposes of researching your satisfaction with the services provided by ESB Networks DAC. This information may also be used to enhance our services as the Distribution System Operator.

## NOTE 2

### Safety Message

- If there are any overhead electricity lines on the site these may need to be diverted or put underground before any construction works commence. Requests for line alterations should be made to ESB Networks DAC at an early stage - see [www.esbnetworks.ie](http://www.esbnetworks.ie) for advice on how to initiate such requests.
- Refer to the HSA Approved “**ESB Networks Code of Practice for Avoiding Danger from Overhead Electricity Lines**” for safety guidance in relation work in the vicinity of overhead lines - available on the HSA and ESB Networks DAC websites or order free printed copies from ESB Networks DAC. Tel. 1800 372 757 or 021 2386555.
- Refer to “HSA Code of Practice for Avoiding Danger from Buried Services” for safety guidance in relation to underground electricity cables - available on the HSA website.
- ESB lines/cables map records are available from Central Network Mapping - Telephone: 1800 928 960, or by email: [dig@esb.ie](mailto:dig@esb.ie).

**PLEASE REMEMBER!**  
DON'T BUILD UNDER OR NEAR ELECTRICITY WIRES  
**STAY SAFE STAY CLEAR**  
**OF ELECTRICITY WIRES**  
**ESB NETWORKS DAC**



Note: ESB Networks DAC reserves the right to request additional data if necessary and the applicant agrees to provide such information promptly. The connecting party will be required at the relevant time to comply with Connection Agreement and the Distribution Code and provide information in accordance with these documents. ESB Networks DAC regrets it cannot accept responsibility for delays or mistakes if this application is completed incorrectly. If this application is incomplete the form will be returned to you.

ESB Networks DAC

Directors: Marguerite Sayers (Chairperson), Nicholas Tarrant, Caroline Spillane, Ian Talbot, Michael Nolan.

Registered Office: ESB Networks, Leopardstown Road, Dublin 18, D18XN80, Ireland.

Registered in Ireland No. 465172