esbnetworks.ie



NEW CONNECTION APPLICATION FORM EMBEDDED GENERATION FACILITIES (FORM NC5A)

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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.

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.

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

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. Please also see CRU's website for more detail: 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 <u>esbnetworks.ie</u>

Please note: Incomplete applications will not be accepted.



NEW CONNECTION APPLICATION FORM

EMBEDDED GENERATION FACILITIES (FORM NC5A)

Please fill in all sections in BLOCK CAPITALS. Do not leave any section blank; N/A to be used if section doesn't apply.

PART 1 - ALL APPLICANTS

ESB Networks DAC requires the information requested on this application form to enable us to set up and manage your electricity supply connection. As the Distribution System Operator, this information is also required to enable ESB Networks DAC to manage the electricity network. The data controller is ESB Networks DAC. Please refer to our privacy policy at https://esbnetworks.ie/privacy

1. APPLICANT DETAILS:
Full name of the applicant: (if a company or a partnership give full company or trading name)
Address of Applicant (in the case of a body corporate, the registered or principal office)
Eircode
Company registration number required
Telephone Number:
Email:
Contact details as per above. Company's registered address will be used as the contact address.
Contact Person:
2. SITE DETAILS:
Project Name: (Please note the Project Name must be geographically reflective of the location of the generator and must not match any
existing generator name or substation. The Project Name will be published on esbnetworks.ie)
Site Name & Address:
<u> </u>
Site Substation Co-ordinates of Connection Point:
EASTINGS: NORTHINGS: NORTHINGS:
(For a project with the Maximum Export Capacity greater than 0.2 MW the connection point will be at the customer's substation site. For all other projects please use the co-ordinates of the generator unit itself. The co-ordinates to be supplied are the Irish Grid Co-ordinates, e.g. E319394 N226143)
precise decision of the generator white teems. The constraint of the supplied are the more and constraints, e.g. 2010004 172201407
3. GENERAL DETAILS:
Target Connection Date: (month and year)
Please note, if Target Connection Date is within 12 months, a completed NC5 application form with the technical information of the
generator unit(s) is required. Please refer to our website esbnetworks ie to download the NC5 application form.
This Project is applying to export energy Yes No
Maximum Export Capacity (MEC) Required (MW): (if extension then only the additional capacity)
This project is an extension to an existing installation (MPRN) Yes No
This project is an extension to a planned generator Yes No
If 'yes' please provide the existing project name (and DG reference for generators) and the MPRN:
Does the Applicant require sub-metering? Yes No

4. CONNECTION METHOD PREFERENCES					
Contestable Non-Contestable					
Overhead Line Underground Cable No preference					
Preferred ESB substation to connect to? Yes* No					
*If Yes, name the ESB substation:					
Future plans to develop site: Yes* No					
*If Yes, please provide further detail in accompanying cover letter	r.				
5. GENERATOR APPLICATION FEES					
Please visit the Large scale generation section of our website <u>es</u> Please refer to our website <u>esbnetworks.ie</u> on payment methods Applications submitted without this fee will be returned.		more information	on application and	l modifica	tion fees.
Noted * Date of EFT Payment					
6. MAPS AND DIAGRAMS: Please provide both paper an	nd electronic co	pies of the foll	owing:		
A 1:50,000 "Discovery Series" Ordnance Survey map, with the I indicating the site boundary. A plan of the site (in an appropriate scale) of the proposed facilit boundary, the proposed location of the connection point, genera A draft electrical single line diagram of the proposed facility deta • Relevant Voltage Levels • Interlocking • Earthing and Synchronising Arrangements • Power Factor Complete Syour application with	ty (including any e tors, transformers tiling all significant sformer(s) correction	existing generations, site buildings entitems of plant and the Local (e. Properties of the New York (if	n installation), indicto.	cating the uding: e Connec	esite
7. SITE LOAD DATA:					
Maximum Import Capacity Required (MIC): (k	VA)				
For Storage Projects provide the portion of the MIC dedicated to	o House Load:		(kVA)		
For Storage Projects confirm a NC3 has been submitted (where	applicable): Yes*	No			
*If Yes, include NC3 Notification Number:					
8. GENERATION TYPE:					
	Unit 1 (or Type 1)	Unit 2 (or Type 2)	Unit 3 (or Type 3)	Unit 4	(or Type 4)
Type of Generation Plant: (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 No	Yes No	Yes No	Yes	No
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 REQUIRED1:

Please inc	licate which services can be provided			
FFR	POR			
Fast Fred	quency Response			
What leve	l of FFR can be provided?			(MW)
For how m	nany hours per year can the service be provided?			Hrs
Service a	at low MW outputs			
Can the s	ervice be provided at 0MW output levels?	Yes	No	
Can the s	ervice be provided while operating below 20% of MEC?	Yes	No	
Primary (Operating Reserve			
What leve	of POR can be provided?			_ (MW)
For how m	nany hours per year can the service be provided?			Hrs
Service a	at low MW outputs			
Can the s	ervice be provided at OMW output levels?	Yes	No	
Can the s	ervice be provided while operating below 20% of MEC?	Yes	No	
¹ If an applica connection a	ant makes a false, misleading or inaccurate declaration in respect of DS3 eagreement.	eligibility req	uireme	ents, this will be deemed to be an "event of default" under any resulting

PART 3 - ALL APPLICANTS

11. PLANNING PERMISSION CONFIRMATION¹: (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 Granted Acknowledgement Date: Planning Permission Grant Date: OR Acknowledgement letter must be attached: Noted Planning Permission Expiry Date: Extension applied for? N/A No **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: Solicitors² / Planning Consultant Number³ Solicitors / Planning Consultant Address Solicitor / Planning Consultant Stamp (where possible):

¹Planning 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.

²As per the Law Society of Ireland (www.lawsociety.ie). ³As per the Irish Planning Institute (www.ipi.ie) or Royal Town Planning Institute (www.rtpiconsultants.co.uk)

	CON	FIRM	۱A۱	ION	√1:																								
I, (Name in Block Capitals):																													
Position:																													
on Behalf of (Company Name in I	Block (Capita	als a	ıs sp	ecif	ied	in A	٩pp	olica	nt D	eta	ils o	of th	nis a	ıppli	cat	ion	forr	n)										
	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:														_	Dat	te:													
and verified by Solicitor (Name in Block Capitals)																													
Signed:																				Dat	te:								
Solicitor Number:																													
Solicitor Address:	 	1	I I	ı		I	I I		1	ī	ı	I I		1		ī	ı	ı			1	1	1	ı	ı		1	ı	ı
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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 confict 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 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.

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.