

# DISTRIBUTION CODE MODIFICATION PROPOSAL FORM

Modification Proposal submitted By: Emma Fagan

DATE OF SUBMISSION OF PROPOSAL: 30/10/2020

Modification Proposal Number: *(to be assigned by Review Panel Secretary)*

#50

## CONTACT DETAILS FOR MODIFICATION PROPOSAL ORIGINATOR: (IF NOT DISTRIBUTION CODE REVIEW PANEL)

NAME: Emma Fagan

TELEPHONE NUMBER: 01 2370202

E-MAIL ADDRESS:

Emma.Fagan@eirgrid.com

MODIFICATION PROPOSAL TITLE:

Scheduled Data requirements for DSO-connected generation as required by SOGL

## DISTRIBUTION CODE SECTION(S) AFFECTED BY PROPOSAL

- DOC2
- Schedule 3b of DDRC

**MODIFICATION PROPOSAL DESCRIPTION** *(Clearly state the desired amendment and all text changes. Attach further information if necessary)*

New text shown in blue underline

Removed text shown in ~~red strikethrough~~

## DOC2 DISTRIBUTION OPERATING CODE 2 – OPERATIONAL PLANNING

### DOC2.1 INTRODUCTION

DOC2.1.1 Distribution Operating Code 2 (DOC2) is concerned with the co-ordination of **Planned Outages of Plant** and apparatus which affect the **Operation** of the **Distribution System** and/or the Transmission System, or require the commitment of **DSO** resources.

DOC2.1.2 DOC2 supplements the obligation of the **DSO** to provide certain information to the **TSO** under the **Grid Code** and establishes procedures to enable the collection of such data from **Users** specified in DOC2.3.

DOC2.1.3 The means of providing the information to the **DSO** and the TSO where relevant and its confirmation includes any non-transitory written form, or any other suitable means of electronic transfer which enables the recipient to retain information. The DSO or TSO, by agreement with the DSO, can specify the specific means, which may include completion of a set form published on the DSO and/or TSO website(s).

DOC2.1.4 In order for the **DSO** to fulfil the requirements of this DOC2 it should be noted that the information set out in **Grid Code** (OC2), to be provided by the **TSO** will form the basis of operational planning under this DOC2.

### DOC2.2 OBJECTIVE

DOC2.2.1 The objectives of DOC2 are to:

- a) Set out the operational planning procedure and typical timetable for the co-ordination of outage requirements for **Plant** and apparatus to be provided by **Users** to enable the **DSO** to operate the Distribution System and to enable the TSO to operate the Transmission System.
- b) Specify the information to be provided by **Users** to the **DSO** to allow it to comply with the **Grid Code**.
- c) Specify the information to be provided by Users to both the DSO and the TSO to ensure compliance with the System Operator Guideline - Commission Regulation (EU) 2017/1485 of 2 August 2017 establishing a guideline on electricity transmission system operation.

## DOC2.3 SCOPE

DOC2.3.1 DOC2 applies to the following **Users** of the **Distribution System**:

- a) **Major Customers** connected to the **Distribution System** where the **DSO** considers it appropriate;
- b) **Generating Plant** not subject to **Central Dispatch**;
- c) **Customers** with **CHP** and **Customers** with **Auto-production**;
- d) **Centrally Dispatched Users**
- e) [Dispatchable Demand Customers](#)

## DOC2.4 PROVISION OF INFORMATION

DOC2.4.1 Information on **Generating Plant** not subject to **Central Dispatch** (including **Customers** with **CHP** and **Customers** with **Auto-production**) shall be provided, where specified, directly to the **DSO**. [Where there is intention to change the nominal generation profile by greater than 5 MW the information shall be provided directly to both the TSO and the DSO.](#) This information to be provided ~~to the DSO~~ is shown in Schedule 3(a) and Schedule 3(b) of the DDRC.

DOC2.4.2 **Centrally Dispatched Users** shall comply with the requirements of OC2 of the **Grid Code**. Information shall be provided directly to the TSO.

[DOC2.4.3 Information on Demand Side Units shall be provided, where specified, directly to the DSO. Where there is intention to change the nominal demand by greater than 5 MW the information shall be provided directly to both the TSO and the DSO. This information to be provided is shown in Schedule 3\(a\) and Schedule 3\(b\) of the DDRC.](#)

## DOC2.5 TIMESCALES AND DATA

DOC2.5.1 For **Users** that are not subject to **Central Dispatch** detailed implementation of data gathering and timescales shall be determined by the **DSO** and each **User**. Due recognition shall be given by the DSO to voltage levels and capacities of **Plant** and apparatus when assessing information requirements.

DOC2.5.2 The information may be required for different timescales as may be determined by the **TSO** or the **DSO** planning needs.

DOC2.5.3 For **Users** that are subject to **Central Dispatch**, implementation of data gathering and timescales shall be determined by the **User**, **DSO** and **TSO**. Due recognition shall be given by the **DSO** to voltage levels and capacities of **Plant** and apparatus when assessing information requirements.

## DOC2.6 INFORMATION FROM ~~GENERATORS~~ [USERS](#)

DOC2.6.1 Information from **Generating Plant** greater than 2MW and not subject to **Central Dispatch** shall include details of **Planned Outages** for **Maintenance** or other purposes as well as the expected time of return to service.

DOC2.6.2 The **Generator** shall not synchronise without first obtaining permission from the **DSO** unless prior agreement has been reached with the **DSO**.

[DOC2.6.3 Information from Demand Side Units greater than 5MW shall include details of Planned Outages for Maintenance or other purposes as well as the expected time of return to service.](#)

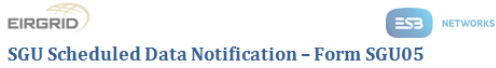
## DOC2.7 INFORMATION TO USERS

DOC2.7.1 The DSO shall advise **Major Customers**, **Dispatchable Demand Customers** or **Generators** who may be significantly affected by particular outages of distribution **Plant** and apparatus, of the likely dates and duration of the outages. If there are objections from **Users** these shall be considered by the **DSO** and alternative arrangements proposed if possible.

**New item to Schedule 3(b) of DDRC:**

[All Users shall notify both the TSO and DSO with details of proposed outages of greater than 5MW three weeks in advance of the start date at the latest.](#)

Proposed SGU05 form:



**SGU Scheduled Data Notification - Form SGU05**

As reflected in the Grid Code and Distribution Code, and in accordance with EU Regulations [1] and [2] below, all Significant Grid Users (SGUs) within the control area of the TSO shall provide scheduled data (i.e. generation/demand change) to the TSO. Transmission connected SGUs shall provide data directly to the TSO. Distribution connected SGUs shall provide data directly to both the TSO and its connecting DSO.

This form is the mechanism through which all SGUs connected to the transmission or distribution system in Ireland shall notify the TSO and DSO of their intention to change their nominal generating or demand profile by greater than 5MW. All scheduled data notifications shall be submitted via this form 3 weeks in advance of the start date at the latest.

- Transmission connected SGUs shall submit this form to [OutagePlanning@eirgrid.com](mailto:OutagePlanning@eirgrid.com).
- Distribution connected SGUs shall submit this form to both [OutagePlanning@eirgrid.com](mailto:OutagePlanning@eirgrid.com) and [dsoutageprogramme@esh.ie](mailto:dsoutageprogramme@esh.ie).

Section 1: SGU Description	
Company	
Name of facility	
SGU Location	
Market ID	
MEC (MW)	
MIC (MW)	
Number of turbines (if applicable)	

Section 2: Scheduled Data Change Request Type (tick as appropriate)	
Full SGU Change	<input type="checkbox"/>
Partial SGU Change	<input type="checkbox"/>
SGU Controllability Change	<input type="checkbox"/>
Existing SGU Change/Update	<input type="checkbox"/>

Section 3: Scheduled Data Change Description	
Reason for Change	
MW Change (+/-)	
Number of turbines on outage (if applicable)	
Start Date and Time (yyyy-mm-dd hh:mm)	
End Date and Time (yyyy-mm-dd hh:mm)	

Section 4: Contact Details of Requesting Party		
	Primary	Alternate
Name		
Email		
Phone Number		



Section 5: Additional Information (if Required)

Note that this form is for notification of scheduled data (outages) only. Where a point of disconnection is required from the transmission or distribution systems, the SGU shall contact the relevant system operator. For transmission connected SGUs the contact point is [OutagePlanning@eirgrid.com](mailto:OutagePlanning@eirgrid.com). For distribution connected SGUs the contact point is [dsoutageprogramme@esh.ie](mailto:dsoutageprogramme@esh.ie).

Note that this SGU05 form replaces the previous GEN05 form for transmission connected generation wind farm outages. It does not replace the GEN04<sup>1</sup> form. Conventional generation subject to central dispatch must continue to complete the GEN04 form.

- [1] Article 49 of Commission Regulation (EU) 2017/1485, Establishing a Guideline on Electricity Transmission System Operation (02/08/2017). <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32017R1485>
- [2] Article 16 of All TSOs' Proposal for the Key Organisational Requirements, Roles and Responsibilities (KORRR) relating to Data Exchange (1/10/2018). <http://www.eirgridgroup.com/site-files/library/EirGrid/KORRR-01-Oct-2018.pdf>
- [3] GEN04 form for conventional plant subject to Central Dispatch <http://www.eirgridgroup.com/site-files/library/EirGrid/Form-GEN04-Generator-Outage-Detail-Form.pdf>

**MODIFICATION PROPOSAL JUSTIFICATION** (Clearly state the reason for the modification. Attach further information if necessary)

- KORRR<sup>1</sup> (Key Organisational Requirements, Roles and Responsibilities) has been approved by CRU and all EU National Regulatory Authorities and comes from Article 40.6 of SO GL (System Operator Guideline - one of the EU Network Codes)
- The purpose of KORRR is to define a common framework for data exchange between different parties to ensure the operational security of electricity systems.
- The parties to which KORRR will apply are TSOs, DSOs and Significant Grid Users (SGUs)
- SGUs are defined as both **existing and new**:
  - type B, C and D PGMs as per RfG;
  - transmission-connected demand facilities;
  - transmission-connected closed distribution systems;
  - demand facilities, closed distribution systems and third parties providing demand response directly to the TSO as per Article 27 of DCC; and
  - HVDC systems as per HVDC.
  - Aggregators.
- KORRR states

<sup>1</sup> <http://www.eirgridgroup.com/site-files/library/EirGrid/KORRR-01-Oct-2018.pdf>

**Scheduled data**

*Article 16  
Scheduled Data provided by SGUs*

1. All SGUs within the control area of the TSO shall provide scheduled data to the TSO. Transmission connected SGUs shall provide data directly to the TSO. Distribution connected SGUs shall provide data directly to the TSO or through its connecting DSO or to both, as defined in Article 3(3) of KORRR.
2. SGUs shall comply with the requirements defined by the relevant TSO, and/or by the DSO when the SGU is required to provide data through the DSO according to Article 3(3) of KORRR, to exchange scheduled data. The frequency of delivery of scheduled data shall be defined at a national level.

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Following a consultation in Spring 2019 and the approval<sup>2</sup> by the CRU in September 2020, distribution connected SGUs will provide the data directly to both the DSO and the TSO.  
These Distribution Code modifications enable this to take place via a proposed joint SGU05 form which is to replace EirGrid's existing GEN05 form.

**IMPLICATIONS OF NOT IMPLEMENTING THIS MODIFICATION**

Non-compliance with SOGL. No derogations are allowed from SOGL.

Reduced efficiency in outage planning.

**PLEASE SUBMIT MODIFICATION PROPOSALS TO THE PANEL SECRETARY BY E-MAIL TO: [DISTCODEPANEL@MAIL.ESB.IE](mailto:DISTCODEPANEL@MAIL.ESB.IE)**

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<sup>2</sup> <https://www.cru.ie/wp-content/uploads/2020/09/CRU20105-Decision-to-Approve-the-applicability-and-scope-of-data-exchange-under-KORRR-in-accordance-with-Article-405-of-SOGL.pdf>