DISTRIBUTION CODE MODIFICATION PROPOSAL FORM

Modification Proposal submitted By: **ESB Networks**	**DATE OF SUBMISSION OF PROPOSAL:** 09.08.2019	**Modification Proposal Number:** *(to be assigned by Review Panel Secretary)* **#43**

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

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MODIFICATION PROPOSAL TITLE:	Proposed Distribution Code structural changes to facilitate adoption of RfG (and subsequent) Network Codes

DISTRIBUTION CODE SECTION(S) AFFECTED BY PROPOSAL

1. **Preface Section 5**
2. **DCC10**
3. **DCC11**
4. **DCC12 [New]**

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

This modification proposal describes the proposed structural changes to the Code that will facilitate the inclusion of new and changed content driven by the adoption of the Requirements for Generators [RfG], in the first instance. Some of the proposed changes will also facilitate the adoption of parts of other Codes such as the Demand Connection Code, in due course.

Principle Features of Proposal

1. DCC 10 Generator Requirements shall be left in place but re named as GENERAL REQUIREMENTS FOR GENERATORS.
2. This section will house some existing content unaffected by RfG but also any RfG general requirements, not specifically covered by the Synchronous Power Generation Module [SGPM] and Power Park Module [PPM] sub-divisions.
3. DCC 11 to be re-named as REQUIREMENTS FOR POWER PARK MODULES. This will likely already be done on foot of Mod #36.
4. This will be sub-divided into sections for ;
    - General Requirements for PPMs
    - Requirements for Type A PPMs
    - Requirements for Type B PPMs
    - Requirements for Type C PPMs
    - Requirements for Type D PPMs
5. A new Section DC12 called "REQUIREMENTS FOR SYHCNRONOUS POWER GENERATION MODULES [SGPMs].
6. This will be sub-divided into sections for ;
    - General Requirements for SPGMs
    - Requirements for Type A SPGMs
    - Requirements for Type B SPGMs
    - Requirements for Type C SPGMs
    - Requirements for Type D SPGMs

Addition to Preface Section G

Demarcation of Requirements

Requirements which are not marked by any of the symbols or boxes shown below, apply to all Users.

Requirements which are marked by any of the symbols boxes shown below, apply to different Users as depicted in Table 1 below.

Table 1

Symbol	Applicable to	Comment
	**All Users**	Changed content from previous Version
	**RfG Generation Units**	New content from previous Version
	**Non-RfG Generation Units**	
	**RfG Generation Units**	
	**Non-DCC Demand Units**	
	**DCC Demand Units**	

New definitions

Non-RfG Generation Units A **Generation Unit** with a signed **Connection Agreement:**

a) Connected to the network on or before the 30th November 2018; or

b) Whose owner has concluded a final and binding contract for the purchase of the main **Plant** on or before the 30th November 2018 and previous evidence of same, as acknowledged by the **DSO,** on or before the 31st May 2019. Such evidence shall at least contain the contract title, its date of signature and date of entry into force, and the specifications of the main **Plant** to be constructed, assembled, or purchased; or

c) Is one of the exceptions to the applicability of the **RfG Generation Unit** requirements and is a **Generation Unit** as follows:

(i) Installed to provide back-up power and operate in parallel with the network for less than five minutes per calendar month while the system is in normal state; or

(ii) No permanent **Connection Point** and is used by the **DSO** to temporarily provide power when normal system capacity is partly or completely unavailable; or

(iii) **Energy Storage Units** except for **Pumped Storage Plant**.

RfG Generation Units	A **Generation Unit** that is not a **Non-RfG Generation Unit**
Synchronous Power Generating Module (SPGM)	An indivisible set of installations which can generate electrical energy such that the frequency of the generated voltage, the generator speed and the frequency of network voltage are in a constant ratio and thus in synchronism.
EUNC	**European Union Network Code**

1. DCC11 shall have an Applicability Matrix table at the start in the same format as the existing D-Code. This will include the Topologies, which replace the previous "Types", as previously presented to the DCRP and many consultation fora.
2. For avoidance of doubt, for any future Distribution Code mods that relate to content not affected or influenced by European Network Codes, the existing default retrospection [unless otherwise agreed or dealt with through class derogations], will remain.
3. Any unchanged content will not have any visual changes applied to them.
4. Where content is changed, both the original and changed would be retained but demarcated as below.
5. To further aid the reader, where appropriate, it is proposed to give a visual indication, in the form of boxes, in the content body as to the nature of the EUNC driven Content Code as follows:

1. New content driven by EUNC

2. Existing content changed due to EUNC

6. There will clearly need to be a mapping of content. Some content may move between DCC 10, DCC11 and DCC 12. The outcome of the mapping may also reveal other content from elsewhere in the Code, which will better reside in either of these sections.

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

1. The RfG has now entered into force and is now law in Ireland. It must now be reflected in the Distribution Code
2. Users need to understand what requirements apply to them post adoption of RfG
3. The primary text of the RfG will remain in place and have primacy over the Distribution Code. However, it will be necessary to reflect some relevant in the Distribution Code
4. The spirit and intent of these structural changes is, to the extent possible, to minimise disruption but capture the relevant content in a meaningful way.
5. The Entry into Force of RfG and DCC is on a non-retrospective basis by default. They enter into Force on different dates and hence means must be found to indicate to the reader which clauses apply from which dates.

IMPLICATIONS OF NOT IMPLEMENTING THIS MODIFICATION

- This is a EU Regulation and cannot be ignored
- Generators, OEMs, Vendors will not be able to comply with EU law.

PLEASE SUBMIT MODIFICATION PROPOSALS TO THE PANEL SECRETARY BY E-MAIL TO: DISTCODEPANEL@MAIL.ESB.IE