Grid Code Development Forum

Data Registration Code (DRC)

Calum Erentz
Network Modelling Manager

7th August 2024
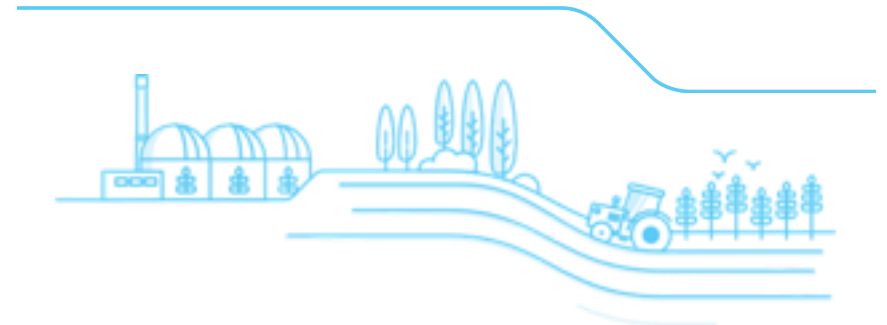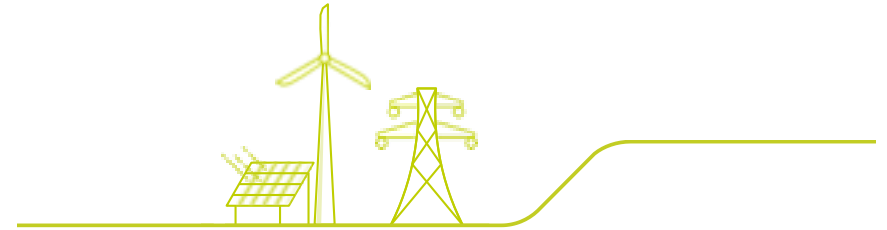
ESO

Agenda

1. DRC Overview
   - What the DRC is and why it is important
   - Who the DRC applies to and when it is submitted
   - DRC submission process (current)
2. The future of DRC submissions
   - Demonstration
   - Key points
   - Benefits
3. Q&A - will be covered at the end

We will not be covering the details of the Grid Code

ESO

DRC Overview

What the DRC is and why it is important

- 20 schedules originally designed to simplify the Grid Code data submission process for users

- Consists of predominantly Planning Code (PC) and Operational Code 2 (OC2) clauses

- Allows users to demonstrate compliance as part of the connections processes, provide updates on an ad hoc basis / annually by week 24, and 5 yearly under the compliance repeat plan

- Allows ESO and Transmission Owners to accurately model the GB network to ensure Security and Quality of Supply Standard (SQSS) is maintained and enable effective outage planning for maintenance and investment works

ESO

Who the DRC applies to and when it is submitted

DRC requirements are determined by role(s) under DRC.6.2

Users:
- Generators
- Distribution Network Operators (DNOs)
- Restoration Contractors (who do not fall under the categories above)

Submission timescales (Grid Code requirements):
- Connection application process (enable offer)
- Connection compliance process (prior to ONs)
- Ad-hoc following a change
- Annually by week 24
- 5 yearly under the 'self-check' compliance repeat plan

Role	Schedule
Generators with Large Power Stations	1, 2, 3, 4, 9, 14, 15, 16, 19
Generators with Medium Power Stations (see notes 2, 3, 4)	1, 2 (part), 9, 14, 15, 19
Generators with Small Power Stations directly connected to the National Electricity Transmission System	1, 6, 14, 15, 19
Generators undertaking OTSDUW (see note 5)	18, 19
All Users connected directly to the National Electricity Transmission System	5, 6, 9
All Users connected directly to the National Electricity Transmission System other than Generators	10,11,13,17
All Users connected directly to the National Electricity Transmission System with Demand	7, 9
A Pumped Storage Generator, a Generator in respect of one or more Electricity Storage Modules and an Externally Interconnected System Operator and Interconnector Users	12 (as marked)
All Suppliers	12
All Network Operators	12, 16
All BM Participants	8
All DC Converter Station owners	1, 4, 9, 14, 15, 19
Restoration Contractors	2, 3, 6, 16

ESO

DRC submission process (current)

PROCESS	DATA SUBMITTED	SUBMISSION DOCUMENT	SUBMISSION ROUTE
Connection application (to enable assessment and offer)	Specific parts of applicable schedules	Excel pro-forma	Connections portal
Connection compliance (prior to ONs)	All applicable schedules	DRC word document	User UDFS SharePoint folder
Ad hoc/annual (week 24)	All applicable schedules (where changes have been made) OR no change statement	DRC word document	Email to .box
Compliance repeat plan	All applicable schedules related to the repeat plan	DRC word document	User Compliance Repeat Plan SharePoint folder

ESO

The Future of DRC Submissions

DRC Generator Portal – Demonstration

DRC Generator Portal - Key Points

Why are we doing this?
- Feedback from customers
- Remove schedule/parameter identification burden
- Digitalisation strategy
- Single submission route and database
- Phase 1 applies to generators users only due to upcoming changes under GC0139 (DNOs)

Is this allowable under the GC?
- DRC.5.2.3 states: Where a computer data link exists between a User and The Company, data may be submitted via this link. The Company will, in this situation, provide computer files for completion by the User containing all the data in the corresponding DRC schedule.

Roll out
- UAT planned for Q3/Q4 2024 (please see me at the end if you'd like to take part)
- Go live date – April 2025
- Registration form will be made available under the connections process and to existing users as part of the initial onboarding
- No data migration will occur, the portal will be populated under the Compliance Repeat Plan and for new connections

ESO

DRC Generator Portal - Benefits

The DRC Generator portal offers:

- A more user friendly digital online system

- 24/7 access for users to login and review/amend their data

- A 'living' record of current asset data available to users and ESO

- Automatic schedules assignment based on asset role(s)

- Automatic schedule content based on asset type and subtype (where relevant and possible)

- Clear identification of both UDFS (one off) and annual requirements

- Clear identification of data shared with transmission owners (CUSC related)

- 'No change' option retained for annual submissions – noting that a full submission will be required under the 5 yearly compliance repeat plan

ESO

Thank you