

DCRP Working Group – Enhanced DNO - IDNO data exchange

Terms of Reference v3 – date 30 June 2020

1. Introduction and Scope

To effectively plan its network, and to comply with the requirements of the Grid Code, it is necessary that a Network Operator has full knowledge of sources of energy and demand connected to networks that ultimately connect to its network. The Workgroup will address both of these requirements.

ENA's Open Networks Project has proposed an enhanced level of planning data exchange between National Grid Electricity System Operator (NGESO) and DNOs. To facilitate completeness of DNOs submissions, IDNOs and interconnected DNOs will need to provide a data submission with similar content and form. Details of the planning data requirements can be found in the appended report and associated data schedules. This aspect of the Workgroup activities will help ensure that a DNO meets its obligations to provide data to NGESO under the terms of the Grid Code.

ENA's Open Network Project has been looking at ways to change the way that networks operate to facilitate the transition to a smart, flexible energy system. A specific area of work has been to review the arrangements for and scope of network planning data exchange between network companies. In respect of the Distribution Code this applies to data exchange between DNOs and also between IDNOs and DNOs. This aspect of the Workgroup activities will help ensure that DNOs and IDNOs plan and operate an efficient, co-ordinated and economic system.

Currently there is a Grid Code change proposal (GC0139) that proposes significant increase in scope and frequency of data of planning data exchange over that currently required by the Grid Code. There is also a DCUSA change proposal DCP350 (current plan for implementation Q2 2020) which relates to the creation of an Embedded Capacity Register and addresses some of the confidentiality concerns associated with the publication of the System Wide Resource Register; there is a linkage to the confidentiality provisions of DIN6 (DCode).

2. Purpose and Aim

The purpose of the Workgroup is to develop a modification of DCode to define and enforce an enhanced level of planning data exchange between DNO's and IDNO's on an annual basis to facilitate the efficient planning of transmission and distribution networks. The enhanced data set would be a development of the existing DCode provisions and it is expected that new legal text will need to be developed to implement the changes. In developing the changes the Workgroup deliberations shall include the following activities:

- a. Interaction with the GC0139 Workgroup findings;
- b. Interaction with DCUSA CMP350 deliberations and Ofgem's decision;
- c. Review of the interaction with EREC G88;
- d. Implementation of the findings of Open Networks Project: Data Exchange in Planning, Timescales; Data Scope,- Final Report;
- e. Facilitating GCode Week 24 submission:
 - i. Review the existing Distribution Planning and Connection Code (DPC) and Distribution Operating Code (DOC) requirements;
 - ii. Identify the deficiency between the GC0139 requirements and the existing DCode provisions, including embedded generation data and network power flow & forecasting data;
 - iii. Development of new DCode text and DDRC Schedules for completion by IDNOs;
 - iv. Review existing DCode text and DDRC schedules of data to be obtained from Users at the time of connection;
 - v. Clarify when in the annual planning cycle information should be exchanged; and

- vi. Consider whether there are different data exchange requirements depending on the IDNO / DNO connection voltage.
- f. Facilitating the development of efficient distribution systems
 - i. Identify the DNO data requirements (including power flow, fault level, Users network data and forecasting data) and the deficiency between these and the existing DCode provisions;
 - ii. Develop new DCode text new DDRRC Schedules for completion by IDNOs and DNOs;
 - iii. Clarify when in the annual planning cycle information should be exchanged, or whether information should be provided on request; and
 - iv. Consider whether there are different data exchange requirements depending on the IDNO / DNO connection voltage eg from 132 to LV.

3. Deliverables

The deliverables for the Workgroup to decide will be established via the Workgroup process and are expected to include:

- a. Revised legal text to the body of the Distribution Code;
- b. Revised definitions for some of the key terms, to align them with current licencing arrangements;
- c. Revised DDRRC Schedules;
- d. Recommendation of the need or otherwise to review EREC G88 to align with the clarified requirements in the DCode; and
- e. Report to the DCRP.

4. Reporting

The group will be a sub-group to DCRP and as such will report to DCRP. The governance process will be as set out in the DCode Constitution and Rules.

5. Membership & Logistics

Membership will consist of DCRP representatives, including DNOs, IDNOs and Users with a suitable understanding of DCode requirements and data exchange processes; it is proposed that the group is chaired by Ian Povey of ENWL.

6. Compliance

The Group will at all times comply with the requirements of the 1998 Competition Act and will not deal with any matter which will or is likely to prevent, restrict or distort competition or constitute an abuse of a dominant position as construed within the Act.