

The Licensed Distribution Network Operators of Great Britain

Engineering Recommendation G83 - Recommendations For The Connection Of Small-Scale Embedded Generators (Up To 16 A Per Phase) In Parallel With Public Low-Voltage Distribution Networks

A consultation paper by the Distribution Code Review Panel

Background

Standard Distribution Licence Condition 9 requires holders of a distribution licence to prepare and at all times have in force and implement a Distribution Code, in consultation with authorised electricity operators liable to be materially affected.

The Distribution Code Review Panel has noted the development of small scale distributed generation technology in recent months, and also the development work by the Electricity Association in drafting an Engineering Recommendation to facilitate the connexion of such generation to distribution networks.

The Electricity Association development work has drawn on the combined experience and resources of DNOs, equipment developers and manufacturers and other interested parties. Ofgem have been an observer at the meetings of the working group comprising personnel from the above organizations.

Following consultation of interested parties in the development of the Recommendation, the Electricity Association now believes it appropriate to formally consult its members on the final drafting, with a view to accepting the document.

The DCRP believes it is appropriate to cite ER G83 in Annex 1 of the Distribution Code in order to help users of distribution networks in using ER G83 as a reference document.

There are a small number of consequential changes necessary to the Distribution Code to make clear that where ER G83 applies, other Distribution Code requirements are effectively waived. These changes are summarized below:

In the Distribution Code Definitions the following :

Embedded Generator A person who generates electricity including **Customers With Own Generation** and whose **Generation Sets** are directly connected to **Distribution System** of the **DNO** or **Other Authorised Distributor** connected to the **DNO's Distribution System**.

A person who has connected a **Generation Set(s)** in accordance with Annex 1, Item 14, and where this is(are) their only **Generation Set(s)**, that person is not classed as a **Generator** for the purpose of this **Distribution Code**.

Generator

A person who generates electricity under licence or exemption under the **Act**.

A person who has connected a **Generation Set(s)** in accordance with Annex 1, Item 14, and where this is(are) their only **Generation Set(s)**, that person is not classed as a **Generator** for the purpose of this **Distribution Code**.

In the Distribution Planning Code the following:

DPC7.1.3 A **User** who has installed a **Generating Set** that is covered by the scope of Annex 1, Item 14, and where that **Generating Set** has been installed, commissioned and operated in accordance with Annex 1, Item 14, shall not be required to comply with the requirements of DPC7.

These changes are shown marked up in the attached Distribution Code.

Subject to ER G83 being accepted by EA member companies, the DCRP will reflect the results of this present DCRP consultation in a report to the Authority recommending that the Distribution Code be changed in accordance with this consultation paper.

Consultation Issues

Comments are not now expected on the detail in ER G83, given the degree of consultation on its development. However any comments can be made to John Sinclair (john_sinclair@electricity.org) at the Electricity Association by 27 September.

Comments on the consequential changes to the Distribution Code should be sent to the DCRP secretary (paul.ward@uuplc.co.uk) on the DCRP pro-forma provided by 11 October.