

Grid Code Working Group

Review of Grid Code Connection Conditions for Frequency and Voltage Operating Range

Draft Terms of Reference – pp09/41

Objective

At the GCRP meeting of 21 May 2009 it was agreed that a review of the GC requirements for Grid frequency and voltage variations should be undertaken as this can have a significant bearing on design of User's Plant and Apparatus. These draft terms of reference accompany the associated GCRP Paper pp09/40 presented to the November 2009 GC Review Panel.

The objective of the group is to discuss the issues and proposals under 'Scope of Work' and agree a way forward for possible modification to the Grid Code Connection Conditions on Grid frequency and voltage variations.

Membership

The membership of the working group will be drawn from the GCRP or their nominated representatives, the CUSC or their nominated representatives, the Relevant Transmission Licensees and Ofgem.

Scope of Work

The group will consider the following, as agreed by the GCRP:

- Establish the historic frequency and voltage performance of the transmission system, specifically in relation to operation at abnormal voltages and frequencies. Consider how future generation and demand changes may affect transmission system performance in these areas.
- Establish the relevant generation design criteria and standards, and the impacts of operation at abnormal voltages and frequencies on generating units.
- Consider whether the current Grid Code frequency and voltage requirements are appropriate, taking account of system security requirements, the capabilities of generating units, and the industry costs and benefits of implementing them.
- If required, draft proposals to revise the Grid Code requirements to ensure they are appropriate.

Deliverables

The working group will produce:

- a report to the GCRP recommending a way forward on the above issues, reflective of the group discussions
- draft legal text of any proposed Grid Code changes
- identify any consequential changes to other related documentation, codes or standards.

Timescales

The working group will aim to update the May 2010 GCRP meeting on its progress.