

Grid Code Development Forum – Thursday 6 October 2016

Headline Report

Introduction

The Grid Code Development Forum is a bi-monthly meeting (running in the alternate months to Grid Code Review Panel) with open agenda for any interested party to raise issues or queries related to the Grid Code.

We will try and resolve these through discussion at the meeting, or progress as potential code modifications if appropriate.

If you have any issue that you would like to discuss at a future meeting please e-mail: grid.code@nationalgrid.com.

On-going Grid Code mods update

Grid Code Mod Tracker:



Grid Code Tracker -
070916.pdf

Updates were provided by the chair on open Grid Code mods. Particular focus was given to the implementation workgroups for the EU Codes.

GC0048 is coordinating Requirements for Generators implementation. The code sets technical requirements for *new* generators of 800W capacity and up, from 17th May 2018 onwards. GC0048 are currently prioritising proposals for the Fault Ride Through and Voltage and Reactive requirements, as well as generator ‘banding’.

GC0090 and **GC0091** are dealing with HVDC and Demand Connection EU Codes respectively, but are pausing temporarily to prioritise RfG.

GC0095 is progressing Grid Code changes arising from the EU Transmission System Operation Guideline (TSOG), which will Enter Into Force early in 2017. Greater participation was encouraged for this group given the wide-ranging impact, including on smaller players.

A brief update was given on **GC0077** - Suppression of Sub-Synchronous Resonance – a joint workgroup with the SQSS, which had recently been

sent back by the Regulatory Authority for more information.

Finally an indicative timeline for **GC0086** – Grid Code Open Governance - was provided. The hope is that it can be implemented for the start of 2017, but is subject on-going work by Ofgem regarding Code Governance Review 3.

Feedback was given that new modifications/issues should have their dedicated web pages created on the National Grid website in a timelier manner. It was important that supporting materials were available for the wider industry to understand them. National Grid accepted this, and also took an action to update the GCDF issues tracker to provide better explanations status.

All industry participants are welcome to join Grid Code workgroups. To find out more, please email grid.code@nationalgrid.com, or look on the Grid Code Modifications page on our website: <http://www2.nationalgrid.com/uk/industry-information/electricity-codes/grid-code/modifications/>

Project TERRE

TERRE (Trans-European Replacement Reserves Exchange) is an early adoption project under the EU Electricity Balancing Guideline (EB GL).

The purpose of the presentations to GCDF was to 1) Allow better understanding of TERRE 2) Verify some assumptions on potential Grid Code impact formed to date, 3) Form a plan for how to progress any work on these Grid Code aspects.

There is an existing TERRE workgroup under the BSC, **P344**, which is considering the trading and settlement aspects of participation. They have identified these potential Grid Code dependencies. More info on P344 can be found here: <https://www.elexon.co.uk/mod-proposal/p344/>

Francesca Scucces, as the NGET proposer for P344, and John Lucas of Elexon, presented a high level overview of the TERRE project and process, as well as a view of the BSC impacts and the link back to Grid Code.

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The primary Grid Code topic discussed was the submission of participation data and BSP dispatch. The existing process for the Balancing Mechanism (BM), found primarily in the BC1-3 sections of the Grid Code, was cited as the likely template for the GB TERRE process. This includes submission of Physical Notifications, BM prices and Dynamic Parameters, as well as use of EDL/EDT*.

The concept of ‘ramping’ was also discussed. TERRE deals with blocks of MW in 15 minute chunks, but does not factor how BSPs will deviate from their forecast position to participate. The working GB assumption is that BM BOAs will instruct BSPs to their accepted TERRE position. These actions would be priced into BSP’s TERRE submissions rather than be paid under the BM. The need for EU consistency on ramps was flagged, particularly to prevent GB parties being made uncompetitive. The need to consider Grid Code caps on ramp rates was highlighted, given some technologies can ramp quicker than others.

Currency conversion in relation to prices and payment was flagged as an important issue – the default is that TERRE participation will be in Euros. It was thought that this could potentially cause problems for smaller parties, though this is in the scope of P344.

Finally, pre-qualification and the requirement for compliance testing for BSPs was discussed. There was a query how existing Grid Code testing processes could be tied into TERRE participation. It was noted that TSOG outlines a prequalification process for RR products, required +1 year after its Entry Into Force. This will be flagged to workgroup GC0095.

Throughout the discussions, the need to support smaller embedded parties to participate was highlighted. TERRE is open to providers who can provide a minimum of +/- 1MW of RR. Therefore processes need to support all, not just existing BM participants.

A full end-to-end Impact Assessment of the TERRE process will be submitted to the BSC Panel in October. It was recommended that this also needs to go to GCRP in November for consideration of possible Grid Code work.

To support the presentation to GCRP, a detailed Grid Code TERRE impact assessment will take place on Monday 7th November at National Grid House (details to follow). This will allow us to fully understand how the Grid Code may need to be modified to support TERRE, and help us draft an Issue Paper and workgroup Terms of Reference.

Any Other Business

National Grid thanked John Norbury for his active and informed participation at Grid Code meetings for over a decade, including support of GCDF in its early stages. John is retiring from his position at RWE.

Next meeting

The next GCDF meeting will be on **Thursday 8 December** at National Grid House, Warwick.

If you have any issues that you would like to discuss at the next meeting please e-mail: grid.code@nationalgrid.com.

Attendees

First Name	Surname	Organisation
Stephen	Taylor	Quorum Development Ltd
Joseph	Underwood	Drax Power Limited
Peter	Bolitho	WWA
John	Norbury	RWE Supply & Trading GmbH
Campbell	McDonald	SSE Generation
Tim	Ellingham	RWE Supply and Trading
John	Lucas	Elexon
Scott	Keen	Uniper
Grendon	Thompson	Ofgem [By phone]
National Grid:		
Richard	Woodward	GCDF Chair
Francesca	Scucces	Presenter
John	Mansi	Presenter
Ellen	Bishop	Observer
Honor	Hynes	Observer
Tim	Truscott	Observer