

Grid Code Development Forum

Meeting #6

Headline Report – April 2016

Introduction

Richard Woodward (National Grid) welcomed the group and introduced the Grid Code Development Forum (GCDF) which is intended to help stakeholders explore issues before, where necessary, taking these to the Grid Code Review Panel (GCRP).

The GCDF will be held every alternate month between GCRP meetings. An update will be provided at Panel meetings as a standing agenda item. A GCDF tracker, which captures the actions and status of the issues discussed, can be found [here](#).

The agenda is intended to be led by stakeholders and if you have any issue that you would like to discuss at the next meeting please e-mail: grid.code@nationalgrid.com.

Priorities for Future Development

Richard Woodward requested any potential future agenda items from the attendees reiterating that the onus is on industry participant to raise issues that can be discussed at the forum.

Grid Code Modifications Update

Ryan Place gave an update on current and upcoming Grid Code modifications.

A high level overview of all the current modifications in the process was discussed.

It was noted that an industry consultation for GC0048 'RfG ENC' setting the GB values for the x4 RfG banding thresholds had been issued. The closing date for responses is Monday 16 May

(5pm). Coordination of all RfG/HVDC/DCC European Connection Code implementation activities is taking place under this workgroup.

The GC0062 'Fault Ride Through' Workgroup report is ready for submission to the Authority and GC0075 'Hybrid Static Compensators' has been submitted to the Authority.

GC0077 'Sub-Synchronous Resonance' a joint SQSS and Grid Code modification, is currently out to consultation.

The GC0079 'Frequency Changes' workgroup concluded that the RfG ROCOF Withstand requirement should be dealt with by the GC0087 'Frequency Response' workgroup. The Terms of Reference for both Workgroups will be amended.

GC0087 itself is making good progress mapping national parameters

GC0090 'HVDC ENC' will resume its meetings in May, having paused to allow the code to progress closer to 'Entry into Force'.

GC0091 'DCC ENC' will remain on hold until the summer.

GC0092 'Using National Grid Network Models for Long Term Planning' is out to consultation. This had been raised following successful deliberation at the February GCDF.

GC0086 'Open Governance' has fortunately been sent back by the Authority. It was expressed by the Authority that it hopes the modification can be implemented in line with Code Governance Review 3 licence changes. The modification will be revisited following a hiatus for the licence change process to be concluded by the Authority.

Any industry participant is open to join a workgroup, so if you or colleagues are interested in attending a workgroup then either send an email to grid.code@nationalgrid.com, or look on the Grid Code page of the website for further information.

Bringing embedded wind farms with BELLA Agreements into the Balancing Mechanism

Graeme Cooper presented his experience of opting embedded wind farms into the Balancing Mechanism. He noted the procedural and commercial activities involved.

Along with the opportunities that ancillary service participation offers to substitute subsidy revenue (the primary factor for wind farms to generate as many MWhs as possible), Graeme flagged the risk that under emergency circumstances, embedded schemes are not visible to the TSO (i.e. not BM members) so may be disconnected without compensation via an instruction to their DNO.

Relevant Electrical Standards

Following the March GCRP the GCDF was asked to discuss the potential for consolidating the 3 TO RES documents into 1 suite of Standards. Presentations were provided by the NGET in their SO role, SHE Transmission and SPT. The main concern was the differences between Scotland and England and Wales. It was also discussed between the TOs and users why there may be differences in some of the requirements, parameters and costs of the different regions due to network or geographic differences.

The conclusion was that the requirement was for clarification in the General Conditions of the Grid Code of what the standards are, and how they are to be applied. An issue paper will be raised to the May Panel to detail next steps.

Interconnector Physical Notification Submissions

Rob Selbie of National Grid provided a presentation on Cross Border Intra Day (XBID) project, an early implementation project of EU Guideline 'CACM'.

Rob explained the implications of introducing the new trading mechanism on the submission of operational data from Nominated Electricity Market Operators (NEMOs) to the TSO. Under the proposals there is potential for post-gate closure adjustments to adjust applicable interconnector volumes as the XBID algorithm matches trades after gate closure. The XBID project currently anticipates that final positions will be known 5 minutes after gate closure. This would lead to potentially inaccurate data for some schemes. Input was sought from the attendees on whether the FPN process needed to be adjusted, or other possible solutions.

The attendees flagged that there was commercial and transparency implications and that any revised processes needed to be co-ordinated with the BSC, along with projects on other EU Markets codes e.g. Project TERRE.

It was recognised that the current grid code text requires the "...accuracy of the Physical Notification being commensurate with Good Industry Practice", and that this may sufficiently cater for the XBID pilot project.

For now, it was deemed no immediate actions needed to be taken. It was confirmed XBID common project has a target go-live of summer 2017 and that there is quarterly EU briefings which he is party to so periodically he will update industry at future GCDFs.

AOB

Grid Code Warnings – The processes for Grid Code warnings were discussed. It was agreed that NGET would take a suitable paper back to the GCRP which would aim to provide more clarity and capture recent changes such as the Capacity

Mechanism and Supplementary Balancing Reserve (SBR).

Requirements for Generators EU Network Code

– in relation to the earlier discussion on BELLAs, a point was raised that the existing suite of connection agreements may need to be revised to capture revised generator levels introduced by the RfG banding. This also aligned with consideration of BSC participation for Type C generators.

Next Meeting

The next GCDF meeting will be on Thursday 9 June 2016 at National Grid House, Warwick. Teleconferencing facilities will be provided for the meeting.

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

The agenda and meeting materials will be circulated a week in advance of the meeting.

The Grid Code Newsletter, which is sent every two months, will include updates from GCDF meetings and agenda items for future meetings. If you would like to receive the Grid Code newsletter please email: grid.code@nationalgrid.com

GCDF will provide an update to the November GCRP and will give the panel a direction to take in terms of any future issues.

Attendees

Richard Woodward	NGET Chair
Ryan Place	NGET Technical Secretary
Rob Wilson	NGET
Franklin Roderick	NGET
Robert Selbie	NGET
Rui Zhang	NGET
Eamonn Bell	Renewable UK
Campbell McDonald	SSE
John Norbury	RWE
Guy Phillips	Uniper
Peter Bolitho	Waters Wye
Nick Rubin	ELEXON
Craig McTaggart	Scottish Power Energy Networks
Richard Lowe	SHE Transmission
Gerry Cleary	SHE Transmission
Damian Jackman	SSE
Michail Theodoridis	PB Power
Robert Longden	Vestas
Hayden Scott-Dye	Tidal Lagoon Power
Graeme Cooper	Fred Olsen Renewables