

# Grid Code Development Forum

## Meeting #5

Headline Report – February 2016

### Introduction

Rob Wilson (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](mailto:grid.code@nationalgrid.com).

### Grid Code Modifications Update

Rob Wilson requested any potential future agenda items from the attendees. The following areas of discussion were suggested:

- A refresh of OC2 in the Grid Code.
- System Operability Framework.
- Ancillary Services from embedded generation & role of aggregators.
- Standardisation of Electrical Standards.
- Withstand requirements beyond RfG

### 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 GC0023 'Protection Fault Clearance Times and Back-up Protection', GC0028 'Constant Terminal Voltage' and GC0088 'Voltage Unbalance' have all been approved by the Authority and were implemented on 3<sup>rd</sup> February 2016.

GC0048 'ENC RfG' has undergone a change to its 'terms of reference' in order to take into account the formulation of an extra 2-3 work streams (taking it to a total of 5-6). In order to common work and communications across all of the ENCs a co-ordination group has been set up to span RfG, DCC and HVDC.

The GC0062 'Fault Ride Through' workgroup report has been agreed along with draft consultation questions; the industry consultation is currently being prepared; the GC0075 Hybrid Statcoms consultation has been published and is currently open for industry comment and following discussion between National Grid and the GC0079 'Frequency Changes' Workgroup members it has been concluded that withstand requirements in RfG are most suitable to be dealt with in the GC0087 'Frequency Response' Workgroup.

GC0077 'Sub-Synchronous Resonance' the SQSS Workgroup GSR018 has been concluded with a Workgroup Report submitted to the SQSS Review Panel in December 2015 which was approved. A consultation is currently being drafted with the anticipation of it being available in February. GC0087 'Frequency Response' Workgroup is making good progress mapping national parameters, whilst GC0086 'Open Governance' is being readied for submission to the Authority,

Attendees agreed that using the GCRP agenda was a good way of summarising progress.

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](mailto:grid.code@nationalgrid.com), or look on the Grid Code page of the website for further information.

## UKPN KASM Issue – Tool for Contingency Planning

UKPN provided a [presentation](#) on the current issues they have with data sharing in OC2 of the Grid Code. UKPN are currently running an innovation project (KASM – Kent Active System Management) through the low carbon network fund in collaboration with National Grid. The issue as presented is that the current obligations in OC2 mean that it is not possible to make full use of data shared under OC2 for this project as this data is restricted under OC2 to be used for operational and not planning purposes. A wide ranging debate between attendees attempted to understand the root cause for the data sharing restriction and any data that could be confidential – thought to be generator data supplied by manufacturers. A consensus was that the clause in OC2 restricting use to operational rather than planning purposes serves no purpose. Parties are still bound by the code requirements to not further share any data supplied under OC2. Whilst the issue raised was solely in respect of UKPN's KASM project, it was flagged that this will be a wider ranging issue.

Options were discussed between attendees about how this issue can best be addressed. It was suggested that the best avenue to achieve a solution would be to raise a Grid Code Issue at the March Panel suggesting a minor change to OC2.

## RfG Banding Level Update

Richard Woodward (National Grid) provided an update on the progress of the RfG banding work under GC0048. It was flagged to the group that

RfG sets requirements under 4 types (A-D) and that the thresholds of these types need to be set on a member state basis. A Workgroup consultation will be issued following further discussion at the March GCRP. Further information on the banding presentation can be found [here](#)

It was felt by the group that it was important to clearly communicate the exact impact to all affected parties. Likewise they also felt that it is important to engage and understand the exact implications that this may have on currently connected generators (NB RfG does not by default apply retrospectively so this is irrelevant). Other member states in Europe may have lower banding thresholds, but it was made clear by attendees that it is important to ensure the banding allows for potential entrants to see the market as equitable to enter.

Finally it was raised that in implementing the banding thresholds, it is important to have a specific set of RES standards that are consistent and clear. Currently in GB there may be different standards depending on the TO region they are connecting in which needs to be resolved in time for the implementation of the banding thresholds.

## Next Meeting

The next GCDF meeting will be on 14<sup>th</sup> April 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](mailto: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](mailto:grid.code@nationalgrid.com)

GCDF will provide an update to the March GCRP and will highlight to the Panel any future that may be discussed in future.

### **Attendees**

Rob Wilson	NGET Chair
Ryan Place	NGET Technical Secretary
Anthony Johnson	NGET
Richard Woodward	NGET
Honor Hynes	NGET
Joaquin Jimanez	NGET
Dozie Nnabuife	NGET
Geoff Ray	NGET
Campbell McDonald	SSE
Peter Woodcock	RWE
Guy Phillips	Uniper
Joseph Underwood	Drax Power
Alex Jakeman	UKPN
Matt White	UKPN
Richard Wilson	UKPN
Lisa Waters	Waters Wye (Dial in)
Rui Rui	Scottish Power
Razvan Pabat-Stroe	Scottish Power Energy Networks
Zia Emin	PB Power
Robert Longden	RCL Energy
Amir Dahresobh	Nordex
Jawad Al-Tayie	Cummins
Ben Caine	Eon