Grid Code Development Forum

Headline Report

Introduction

Richard Woodward welcomed the group and introduced the Grid Code Development Forum (GCDF) which is intended to help the industry raise Grid Code related-issues and topics. If these cannot be resolved within the meeting, they can be raised to the Grid Code Review Panel (GCRP) for further consideration.

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.

Issues for future meetings

Richard Woodward requested any potential future agenda items from the attendees reiterating that the preference is for industry raised topics to form the basis of the agenda.

On-going Grid Code mods update

Grid Code Issue Tracker: http://www2.nationalgrid.com/WorkArea/DownloadAsset.aspx?id=43460

Richard Woodward gave a high level update on all live Grid Code modifications.

It was noted that the EU Network Code Requirements for Generators entered into force on 17th May. The associated implementation workgroup GC0048 is close to concluding a recommendation on the Fault Ride Through parameter (along with GC0090 HVDC EU Network Code) before a consultation is issued out to industry.

The GC0062 'Fault Ride Through' has been submitted to the Authority.

GC0077 'Sub-Synchronous Resonance' a joint SQSS and Grid Code modification, is preparing a Report to the Authority.

The GC0079 'Frequency Changes' workgroup is currently on a hiatus whilst thoughts on compliance and implementation are developed. The next meeting of the Workgroup is on the Wednesday 29th June.

GC0087 'Frequency Response for RfG' is making good progress mapping national parameters.

GC0091 'DCC ENC' will have its next Workgroup meeting on Wednesday 6th July having waited for the code to progress further.

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 unfortunately 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.

All industry participants are welcome to join Grid Code workgroups. If you or your colleagues are interested in attending a workgroup, please email grid.code@nationalgrid.com, or look on the Grid Code Modifications page of the website 0 http://www2.nationalgrid.com/uk/industry-information/electricity-codes/grid-code/modifications/

Aggregation for Demand Side Response

Presentation: http://www2.nationalgrid.com/WorkArea/DownloadAsset.aspx?id=8589935445 Chris Kimmett of Open

Grid Code Development Forum

Headline Report

Energi gave an overview of the process aggregators use to participate in National Grid's Balancing services markets, particularly Demand Side Response (DSR).

He provided an overview of the procedural and commercial activities involved, and the opportunities this provided not only smaller players, but also the System Operator to gain access to a great volume of service providers. The 'Demand Connection Code EU Network Code changes the process for new providers of DSR once it is implemented. It was highlighted that this presentation should be shared with the implementation workgroup GC0091 to assist their work.

Frequency Response compliance testing

Sridhar Sahukari of DONG Energy gave an overview of some issues their offshore wind farms are facing with completing Frequency Response compliance tests for Offshore Wind Farms.

In order for the wind farm to become fully operational it is required to have witnessed and unwitnessed tests to provide it can provide 100% compliance. Dong proposed that some of the earlier witness testing phases could be waived to make the process more efficient.

Ian Nuttall at National Grid presented views on why checks are still required pre site visit in order to ensure that the site visit is successful for all involved.

The suggestion was that DONG should consult with fellow offshore developers to understand if others shared the same view. This could then be discussed with the National Grid Generator Compliance Team. If it is decided following this discussion that the GCRP need to provide a determination on a possible change, it can be raised as a new issue.

Emergency Instructions – Embedded Generation disconnection process

Presentation:
http://www2.nationalgrid.com/WorkArea/DownloadAsset.aspx?id=8589935447

Mark Krajniewski of National Grid explained that in emergency situations, the SO can instruct DNOs to shed demand, via a defined process in the Grid Code.

There is no similar treatment currently for Embedded Generation which is seen as a deficiency which could be addressed with a Grid Code change. Mark mentioned that in the interim, requirement for generation disconnection was being written into the BCA's with the DNO companies. This was seen as a workaround, and a codified process would be preferred to ensure consistency and transparency.

It was agreed that National Grid should progress an issue to GCRP, proposing a duplication of the Demand process for Generation. However the market mechanisms to encourage embedded generation to participate in services to avoid being disconnected needed to be better considered. It was noted that in such an emergency situation, applicable embedded generation would not be compensated for lost revenue. This should be avoided by making participation processes easier (linking back to Graeme Cooper's presentation at the previous GCDF).

Any Other Business

No AOB was discussed.

Next meeting

The next GCDF meeting will be on **Thursday 4 August** at National Grid House, Warwick. Tele-conferencing facilities will be provided for the meeting.

Grid Code Development Forum

Headline Report

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

Name	Company
Campbell McDonald	SSE Generation
Chris Kimmett	Open Energi
Cristian Ebau	NGET SO
David Spillett	ENA
Eamonn Bell	RenewableUK
Franklin Rodrick [Lead]	NGET SO
Graeme Vincent	SP Energy Networks
Hayden Scott-Dye	Tidal Lagoon Power
John Lucas	ELEXON
Joe Dunn	Scottish Power
Mark Krajniewski [Presenter]	NGET SO
Mike Kay	ENA
Paul Brennan	Waters Wye Associates
Paul Troughton	EnerNOC
Richard Woodward [Chair]	NGET SO
Roger Watterson	DEIF (UK) Ltd
Rui Zhang	NGET SO
Ryan Place [Tec. Sec.]	NGET SO
Sridhar Sahukari	DONG Energy
Tim Truscott [Presenter]	NGET SO