

Confirmed Minutes of the 68th Meeting of the GB Distribution Code Review Panel

8th February 2018
Meeting held at ENA commencing at 1330.

Attendees:

Name		Company	Representing
Steve Cox	SC	Electricity North West	Chairman
David Spillett	DS	ENA	Code Administrator
Graeme Vincent	GV	SP Energy Networks	DNO
Graham Stein	GS	National Grid	OTSO
John Smart	JS	SSEN	DNO
Kate Dooley	KD	Energy UK	Non-BM Generator
Martin Queen	MQ	Ofgem	Authority
Nigel Turvey	NT	Western Power Distribution	DNO
Tim Ellingham	TE	RWE Trading GmbH	BM Generator
Alan Creighton	AC	Northern Powergrid	DNO (observer)
Paul Graham	PG	UK Power Reserve	BM Generator
Awais Lodhi	AL	Centrica	Supplier
Steve Mockford	SM	GTC	IDNO
Mark Horrocks	MH	McLleland	Users
Matt White	MW	UK Power Networks	DNO

Apologies:

Stew Horne	SH	Citizens Advice	Customers
Sotiris Georgiopoulos	SG	UK Power Networks	DNO
Ben Vinyard	BV	Segen	Users
Guy Nicholson	GN	Element Power	Non-BM Generator

1. Introductions

SC welcomed the Panel members to the meeting of the GB DCRP (the Panel). General introductions were provided and apologies were noted. MH was welcomed to his first meeting since his appointment to the Panel.

2. Minutes of previous DCRP meeting 4 January 2018 – DCRP 1

2.1 Accuracy

The Panel reviewed the minutes [DCRP_17_05_10](#) from the previous DCRP meeting and with the exception of a few minor editorials the minutes were accepted as a true record and approved for publication to the Distribution Code website.

Action: DS

2.2 Matters Arising

With the exception of the issues below all other actions from the previous meeting were either completed or included on agenda [DCRP_18_02_01](#).

(2) National Grid Business Separation Update.

DS will alert the Panel to the proposed DCode changes arising from National Grid Business Separation once he has received them.

Action: DS

(3.2 third bullet) National Terms of Connection - Section – Emergency De-energisation

DS informed the Panel that he has raised this matter with the DCUSA Code Administrator and will aim to present this issue at the next DCUSA Panel meeting. The DNOs agreed to take an action to see what the local arrangements are for emergency de-energisation and this information will be required in advance of attending the DCUSA Panel meeting.

Action: DS/DNOs

At the October 2017 Panel meeting KD raised the matter of Open Governance (OG) being introduced to the DCode. In the minutes of the June Panel meeting it was recorded that the issue would be revisited in December following a period of time to allow OG in the GCRP to bed in and allow DCRP to learn from any “teething” problems experienced by the GCRP. DS suggested that this issue would be revisited at the next meeting of the DCRP. DS to follow up with National Grid CA to see if there has been any review of OG since its introduction early 2017.

Action: DS

3. Grid Code Issues

Updates form GV and AC following the meetings of the GCRP held 10/1/18 and 17/01/18

3.1 GCRP 10 January 2018- Update

Referencing paper [DCRP_18_02_02](#) AC provided a brief update on the key issue discussed at the recent extraordinary GCRP meeting held 10/01/18 to discuss G0102 consultation. Key issues discussed was the G0100/0102 Grid and Dist Code consultation and permission to proceed to Code Administrator consultations.

3.2 GCRP 17 January 2018- Update

Referencing paper [DCRP_18_01_02a](#) GV provided a brief update on the key issues discussed at the recent GCRP meeting held on 14 December 2017. There were no specific key issues of interest that needed to be drawn to the attention of the Panel.

4. EU Network Codes

4.1 Latest Developments including GC0102 Consultation Update

Referencing paper [DCRP_18_02_03](#) DS provided the Panel with an update on the latest developments relating to the GB implementation of the EU Network Codes. Following the update the main issues for endorsement by the Panel were as follows:

- Support the progress in concluding the modifications to the Distribution Code, G98 and G99 for implementing the RfG, and support the DNOs intention to recommend the final versions to the Authority.
- Support a request to the code administrators to co-operate in raising modifications in the very near future to deal with issues emerging from the GC0102 consultation that cannot be accommodated in the current timeline.
- Support the imminent DCRP consultation on Distribution Code changes to implement the DCC (which will run in parallel with the GCRP consultation on G Code changes).

Full details of the issues can be found in paper [DCRP_18_02_03](#).

The Panel noted the above issues and gave an endorsement to support the general progress.

4.2 DCRP Consultation Time line re the changes to implement RfG

- 04/01 DCRP
- 08/02 GCRP
- 20/02 Report to the Authority submitted
- Late March Authority decision expected
- 1 May 2018 expected implementation date

4.3 New Modification Proposals

The European Network Code Requirements for Generators (EU 2016/631) (RfG) applies to all users of the Transmission and Distribution networks in Great Britain. The Grid Code Review Panel and the Distribution Code Review Panel agreed that the implementation of the RfG would be most efficiently undertaken by joint development by a WG on behalf of both Panels. This WG, GC0102 reported to the Authority on 20 February 2018 following extensive public engagement and consultation with stakeholders.

The responses to the consultation revealed a small number of important issues that emerged after the legal text for the Grid Code was fixed before the Code Administrator consultation. These issues include a challenge to the exact requirements for **LFSM-O for Type B synchronous Power Generation Modules**, the need to clarify the legal text in the Grid Code for **fast fault current injection**, and suggestions to update G99 to reflect the changes from **P28 to P28/2**, which is being

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consulted on in parallel with the GC0102 consultation. In addition, **DC0079** is also being consulted on in parallel and if approved in its consultation form will result in consequential changes to G99.

It is therefore proposed to raise a number of tightly defined modifications to deal with these issues as soon as possible after the Authority have made a decision on GC0102. DS provided a brief update on each proposal as follows:

- 4.3.1 Referencing paper [DCRP_18_02_03a](#) DS provided the Panel with an update on the proposal to establish a joint Panel WG to undertake a review of LFMS-O.
- 4.3.2 Referencing paper [DCRP_18_02_03b](#) DS provided the Panel with an update on the proposal to establish a joint Panel WG to undertake a review of Fast Fault Current Injection (FFCI).
- 4.3.3 Referencing paper [DCRP_18_02_03c](#) DS provided the Panel with an update on the proposal to modify the DCode to include the necessary references to the revised ER P28. It was suggested that this work may not take too long to complete and the modification work and report could be completed by the Code Administrator.

Action: DS

- 4.3.4 Referencing paper [DCRP_18_02_03d](#) DS provided the Panel with an update on the proposal to modify the DCode to include the necessary references to the changes required following the work of the DC0079 RoCoF WG.

The Panel noted these developments there were no objections and supported the proposals to commence the work associated with the four modification proposals.

5. Ongoing DCode/Grid Code Modifications

- 5.1 DCRPMP/17/0103 - The introduction of harmonised Applicable Qualifying Standards in DCode to ensure compliance with the EU Connection Codes.

DS updated the Panel on latest progress. There are 18 DCode qualifying standards to the D Code. Of these 18 documents there are approximately 7 that need to be reviewed to ensure they do not set out more stringent requirements as set out in the RfG. There has also been some developments following discussion at the GCRP on the submission of baseline standards to the European Codes. DS to confirm with National Grid the discussion and decisions of the GCRP and Ofgem and share with the Panel any recommendations.

Action: DS

5.2 DCRPMP/17/05 - Provision for Energy Storage Devices in the Distribution Code.

Limited progress to date mainly due to the delay in the GC0096 report being published. Nominees to the DCRP working group have been provided by Network Operators and other stakeholders. Following discussion the Panel recommended that this work commence ASAP. The first meeting of the WG is now expected to take place 28 March. DS will report back progress at the next meeting.

Action: DS

5.3 DCRP/ER P2 – Update.

SC provided the Panel with an update on the latest progress on the revision to ER P2. Latest consultation phase closed. The aim of the public consultation was to seek views from industry stakeholders on the proposed modification to Engineering Recommendation P2, subsequently referred to as EREC P2 Issue 7. As there was a shortage of responses the consultation was extended by a further 10 days.

The main changes proposed in this modification are:

- Clarity of the scope and objectives of P2 versus ETR130 which have considerable duplication and significant omissions. P2 is clarified as being a standard defining what should be considered and attained, whilst ETR130 becomes a how to recommendation,
- Formally incorporate DER into P2,
- Remove F-Factors and other tables already duplicated in ETR130,
- Refresh the definition of demand to appropriately include consideration and treatment of flexible resources such as DG and DSR,
- Specifically exclude Distributed Generation from the scope of the security standards required by P2 as justified by the earlier work phases.

The review and subsequent revision of EREC P2 is being overseen by a DCRP Working Group consisting of member companies and has had input from various key stakeholders with co-ordination provided by the Energy Networks Association (ENA).

One key point raised by MQ is around enforceability of the licence condition. Following some discussions on this issue it was agreed that this issue would be included in the Terms of Reference for Stage 2b of the P2 review process. MQ to provide DS/SC information on this issue which was raised in advance of the previous P2 review in 2005.

Work has also commenced to undertake a review of ETR 130 to ensure it aligns with the revision to P2. The working group met on 6 February to work up proposed changes required to ETR 130. Proposals for ETR 130 will be shared with the r working group in April.

5.4 DCRP/ER P28 – Update

Referencing paper [DCRP_18_01_06](#) DS provided the Panel with the latest developments on the revision of ER P28.

The Distribution Code public consultation sought the views from industry stakeholders on the proposed modification to Engineering Recommendation P28, subsequently referred to as EREC P28 Issue 2. The proposed EREC P28 Issue 2 constitutes a full technical revision of Issue 1 published in 1989 and has been extended, amongst other things, to cover assessment and limits for rapid voltage changes (RVCs). The review and subsequent revision of EREC P28 has been overseen by a joint Working Group of various key stakeholders with co-ordination provided by the Energy Networks Association (ENA).

There were several responses to the consultation which the WG has subsequently considered. Responses to the consultees comments by the WG have been issued to each respondent and are also available on the DCode website [here](#). The next key step is to submit the Report to Authority.

Than Panel noted progress.

5.5 DCRP/ER P25 – Update

The Authority approved the modification and a revised EREC P25 and DCode will both become effective from 1 March 2018.

6. Joint GCRP/DCRP GC0079 Workgroup Frequency Changes during Large Disturbances Update

6.1 Phase 1 - >5MW RoCoF Setting changes update

Referencing paper [DCRP_18_02_04](#) DS provided the Panel members with the latest progress of implementing the changes to the protection settings for >5MW Power Stations. No change since the last meeting in January. There still remains only one site (52MW) within SPEN area that requires to complete the changes. Once this work is complete the overall programme will be complete.

>5MW Power Stations – All Connections

	Total MW	MW of changed settings	MW not applicable	MW WiP
ENW	486.31 (507.1)	272.56 (106.0)	213.75 (153.8)	0
NPg	2460.4 (2469.4)	387.0 (371.2)	2073.4 (1978.9)	0
SPEN	1903.18 (1903.18)	1313.15 (1296.15)	513.03 (513.03)	35.0 (52.0)
SSEPD	2143.99 (2134.3)	1001.35 (338.7)	1142.64 (816.0)	0
UKPN	1482.02 (1482.02)	853.26 (829.46)	628.81 (628.81)	0
WPD	2431.87 (2582.0)	1141.54 (635.0)	1290.33 (1166.7)	0
31/12/17	10907.77 (10916.77)	4968.86 (4951.86)	5861.96 (5767.36)	35.0 (52.0)

The Panel noted progress.

6.2 Phase 2 - <5MW RoCoF Setting changes update

Referencing paper [DCRP_18_02_04a](#) DS provided the Panel with a brief update on the latest progress of the DC0079 work group.

Following the Panel meeting in October the DNOs recommended to the Authority that the Distribution Code and G59 should be changed to implement revised RoCoF protection settings for all **new non-type-tested** generation less than 5MW, ie to bring it into line with generation above 5MW, and to ban the use of vector shift protection. On 15 December 2017 the Authority approved these changes to the DCode and EREC G59 and those changes came into effect on 1 February 2018.

Referencing paper [DCRP_18_02_04b](#) DS provided the Panel with a brief update on the latest progress of the DC0079 work group and the public consultation to implement revised RoCoF protection settings for all new type-tested generation less than 5MW which will close on 23/2. Consultation report and next steps expected to be presented to the Panel in March.

GS added some further updates relating to the retrospective changes required to the many thousands of smaller units and the consultation process for this stage. Discussions ongoing relating to the commercial aspects of the proposed work. National Grid in early discussion with stakeholders ie DNOs and Generators regarding the VS issue and providing increased resilience in particular in the south of the country. Current schedule for National Grid to issue an expression of interest to relevant Generators. More information as it develops will be provided to the Panel.

Action: GS

Panel noted developments.

7. DCode Qualifying Standards for revision - February 2018 progress update

Referencing paper [DCRP_18_02_05](#) DS provided the Panel members with a progress update on all Annex and Annex 2 qualifying standards currently undergoing revision. There were no issues and work was progressing to schedule.

Panel noted progress.

8. Panel membership Update – Proposals for New Membership

Referencing paper [DCRP_18_02_06](#) DS provided the Panel with an update on DCRP membership. The Panel is now at full membership with MH joining the Panel. DS requested for the Panel members to check their personal details are correct and DS will post a revised membership table on the DCode website. It was noted that two of the members GN and KD terms had expired. The Panel agreed that both KD & GN should be nominated for a for a further two year term. DS to inform GN of the decision.

Action: DS

9. Code Administration Issues

DS provided the Panel with a brief update on three issues:

9.1 Update from Code Administrators meeting held 29 January 2018

DS provided an update on the key issue which included:

- **The Terms of Reference** for the meeting were reviewed and the CACoP members agreed that these were a fair and accurate representation of the group's objectives and agreed to be bound by them for all future meetings.
- There is a need to improve transparency and further convergence across the Code modification processes.
- The ongoing review of the Code Administrators Code of Practice (CACoP).
- Industry Updates from all Code Administrators.
- Horizon Scanning.
- Central modifications register.

DS will circulate the minutes of the Code Admin meeting with the Panel.

Action: DS

9.2 Brexit Update

DS provided the Panel with a brief update on the progress of Brexit and the Industry Codes. Ie Preparing for EU exit – implications for licences and industry codes.

Ofgem has written to industry setting out the work that they have commenced with respect to licences and industry codes to identify where amendments may be required as UK prepare to exit the European Union (EU). Ofgem are seeking stakeholder views on the analysis they have undertaken and their next steps. In particular, they would like to understand whether stakeholders think there are any significant gaps in the scope of interactions they have identified between licences and industry codes and the EU, and any other issues that Ofgem need to address in advance of the UK's exit from the EU. Copy of the letter can be found [here](#).

Ofgem are seeking views of Stakeholders by the 9 March 2018 by emailing them at: EUExit@ofgem.gov.uk.

9.3 Ofgem Sandbox

Ofgem are considering creating a quick and efficient process for a cross-code rules sandbox, which would differ from existing mods processes in certain ways, namely; that it's available to non-party members, is time/trial based, is lighter touch and faster. On 18 Jan the Industry Code representatives met with Ofgem to discuss the prospect of a coordinated energy sector sandbox. The tone of the meeting was positive, with overall agreement that a 'single entry' and coordinated approach would be beneficial. Ofgem created the innovation link one year ago, to offer support on energy regulation to businesses looking to introduce innovative or significantly different propositions to the energy sector. This support includes a regulatory 'rules' sandbox. However, Ofgem have seen that

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innovators' needs often extend beyond Ofgem's regulations and into the codes. Ofgem therefore see a need and opportunity for a joined up approach across the sector.

Ofgem discussed the prospect of creating a quick and efficient process for a cross-code rules sandbox, which differs from existing mods processes in certain ways, namely; that it's available to non-party members, is time/trial based, is lighter touch and faster.

This was early discussion and further meetings etc are intended. DS will update the Panel with any further developments.

Action: DS

10. AOB

None

11. DCRP Administrative Review

The Panel was happy and content with the Code administration services.

12. Date of next meeting

Thursday 5th April at ENA commencing at 1330. Please note that this meeting will be held at the new ENA office location at 4 More London Riverside, London SE1 2AU.

[Directions can be found here.](#)

13. DCRP & ITCG Meeting Dates for 2018

- Thursday June 7th
- Thursday August 9th
- Thursday Oct 4th

All meetings will be held at ENA London.