

Confirmed Minutes of the 75th Meeting of the GB Distribution Code Review Panel

11 April 2019

Meeting held at EIC commencing at 1330.

Attendees:

Name		Company	Representing
Steve Cox	SC	ENWL	Chair
Vincent Hay	VH	ENA	Code Administrator
Alan Creighton	AMC	Northern Powergrid	DNO (observer)
Matt White	MW	UK Power Networks	DNO
Nigel Turvey	NT	Western Power Distribution	DNO
Steve Mockford	SM	GTC	IDNO
Graham Stein	GS	National Grid	OTSO
Paul Graham (phone)	PG	UK Power Reserve	BM Generator
Mark Horrocks (phone)	MH	Independent	Users
John Smart	JS	SSEN	DNO
Peter Williams	PW	SSEN	DNO
Tim Ellingham	TE	RWE Trading GmbH	BM Generator
Guy Nicholson (phone)	GN	Stat Kraft	Non-BM Generator

Apologies:

Bryan O'Neill	BO	Ofgem	Authority
Stew Horne	SH	Citizens Advice	Customers
Ben Vinyard	BV	Social Energy	Users
Kate Dooley	KD	Energy UK	Non-BM Generator
Gurpal Singh	GS	Ofgem	Authority
Kyle Martin	KM	Energy UK	Non-BM Generator
Martin Queen	MQ	Ofgem	Authority
Awais Lodhi	AL	Centrica	Supplier
Graeme Vincent	GV	SP Energy Networks	DNO

1. Introductions

SC welcomed the Panel members to the meeting of the GB DCRP (the Panel). General introductions were provided and apologies were noted. VH announced Awais Lodhi has stepped down from his role at Centrica which meant his position on the Panel was now vacant. Peter Williams (PW) was announced as JS's replacement on the DCRP representing SSEN. VH was to confirm the nomination process for the DCRP.

Action: DCode Admin

1.1. Membership Update

The membership of the DCRP had a number of vacancies to fill. VH was to poll industry representatives for participation

Action: DCode Admin

2. Minutes of previous DCRP meeting 7 February 2019

2.1.Accuracy

The minutes and actions from the previous DCRP meeting held 7 February 2019 and reported in paper [DCRP_19_01_14](#) were confirmed as correct by the Panel subject to minor modifications. VH to publish 7 February 2019 Panel meeting minutes to DCode website.

Action: DCode Admin (Complete)

2.2.Extraordinary Meeting

The minutes and actions from the extraordinary DCRP meeting held 27 March 2019 and reported in paper [DCRP_19_02_04](#) were confirmed as correct by the Panel. VH to publish 27 March 2019 Panel meeting minutes to DCode website.

Action: DCode Admin (Complete)

2.3.Matters Arising

With the exception of the issues below all other actions from the previous meeting were either completed or included on the agenda. Paper [DCRP_19_03_01](#) refers

2.3.1.Open Governance

At the December 2018 DCRP meeting, David Spillett had taken the action to discuss with the GCode Administrator the GCRP Open Governance (OG) procedures having originally been raised by Kate Dooley that it should be introduced to the DCode. The discussion was deferred for a year to allow for the OG in the GCRP to bed in and allow DCRP to learn from any “teething” problems experienced by the GCRP. VH retained the action taken by DS to follow up with National Grid CA to see if there has been any review of OG since its introduction early 2017 and feedback at next meeting in June 2019.

Action: DCode Admin

2.3.2.DCUSA Change Proposal – De Energisation

The modification proposal had been raised to the DCUSA Code Administrator. A consultation had been released and the modification was progressing through DCUSA. Item to be removed from future agenda.

DCRP noted progress.

2.3.3.DCRP Headline Report

A DCRP Headline report was to be drafted and this was a standing item for the current agenda.

DCRP noted progress.

3. Grid Code Issues

3.1.GCRP DAR

Referencing paper [DCRP_19_03_02](#), AMC provided the DCRP with an update of the key Distribution Code/Networks related issues discussed at the most recent GCRP meeting held on 28 March 2019. The key issues were as follows:

- Changes to the GCode arising from the P28 update under GC0118 had been through consultation and was ready to be submitted to the Authority. GC0118 re P28 is expected to be approved by Ofgem in 2nd week of April.
- GC0103 re harmonisation. There is the possibility that 20+ ‘new’ RES documents will need to be reviewed at short notice by Users – including DNOs, although there might be a more immediate

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requirement for DNOs / ENA to review the switchgear ENATS that may require changes if the RES documents are revised. This requirement may emerge as part of the WG consultation.

- GC0111 FFCI. The WG report was accepted and it will proceed to CA consultation. Mike Kay to coordinate the parallel DCRP consultation.
- GC0125 Black Start. A new Workgroup is being formed to facilitate interconnectors providing a black start service.
- NGESO are to publish a ‘though piece’ to stimulate discussion for the forthcoming BEIS/Ofgem consultation during the summer. This is an ESO initiative, and the DCRP CA may like to consider something similar.

The Panel discussed GC0111 which had been already released for consultation by the GCRP. VH took an action to query with Mike Kay the driving factor behind the consultation timeline.

Action: DCode Admin (Complete)

Further details can be found in above paper.

The Panel noted developments.

3.2. SQSS DAR

Referencing paper [DCRP_19_03_03](#), AMC provided the DCRP with an update of the key Distribution Code/Networks related issues discussed at the most recent SQSS meeting held on 13 March 2019. The key issues were as follows:

- Proposed modification to SQSS to reflect changes to P28 under proposal GSR025 had been consulted on and was ready to be submitted to the authority alongside GC0118 and DCRPMP/18/01. The Modification had not yet been sent to Ofgem, therefore it won't be included in the 1 April 2019 SQSS publication.

The Panel discussed the GSR025 modification. VH took an action to confirm with the SQSS Code Administrator when this was to be submitted and revised implementation accordingly.

Action: DCode Admin (Complete)

Further details can be found in above paper.

The Panel noted developments.

4. EU Network Codes

Referencing power point presentation [DCRP_19_03_04](#) VH provided the DCRP with a brief update the latest development with regards to the GB implementation of the EU Network Codes. This included updates on:

- Transmission System Operation Guidelines. Ofgem approved the changes to the Grid and Distribution codes on 8 March 2019 for implementation on 14 March. The Distribution Code changes are limited to:
 - requiring energy source/prime mover information from G98 connectees to match that already supplied by G99 connectees – these changes have been published.
 - clarification text in DPC 8 of the D Code making it clear that customers have the right to see the data that DNOs hold in respect of the customer's connexion (for clarity of compliance with Key Organizational Requirements, Rôles and Responsibilities (KORRR)).

- Requirement for Generators. ENA has commissioned a new Type Testing Database for G98 and G99 compliant generation which had been broadcast to wider stakeholder mailing list. It was available for manufacturers to enter new type test data. The ENA's new Type Test Database has 146 entries (as at 26 March).
- DER Technical Forum
 - The DER Technical Forum continued to run currently with monthly meetings. Further details available at: <http://www.energynetworks.org/electricity/engineering/distributed-generation/ena-dno-der-technical-forum.html>.
 - Since November 2018 70 issues have been raised with ENA regarding the application of G98 and G99.
 - 37 of the issues have been formally closed off with the agreement of those that raised them.
 - Most of the rest have also received responses and we are waiting for formal agreement to close them.
- Updates to G98 and G99 covered in item 8.2.
- DCC – No Update at this time.
- E&R Code:
 - NGESO published the System Defence and System Restoration plans on 18 December 2018.
 - The plans imply a number of changes to the Grid Code, which will need to be raised as formal modifications soon – probably at the April GCRP.
 - As reported at the last DCRP there are no obvious new issues for distribution connected customers – although depending on the scope of ‘Significant Grid Users’, owners of Type C and Type D Power Generating Modules might have to invest in resilient communications by 2022 – but subject to further review by NGESO.

The DCRP were asked to:

- Note the DER Technical Forum activity.
- Endorse the submission of the G99 Minor Technical and Housekeeping modification DCRP/MP/19/01 to the Authority.
- Endorse a 4 week consultation on the fast fault current injection requirements (in parallel with NGESO's GC0111 consultation)

The DCRP stipulated they would agree to a 4 week public consultation for the FFCI modification due to the consultation period running through the Easter holiday period.

The Panel noted progress and agreed to endorse the proposals outlined above.

5. Ongoing DCode/Grid Code Modifications – Updates

5.1.DCRPMP/17/01/03 - The introduction of harmonised Applicable Qualifying Standards in 5.2 DCode to ensure compliance with the EU Connection Codes.

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Continuing from the previous DCRP meeting; Out of the 18 current Annex 1 & 2 documents approximately seven documents will need to be reviewed to ensure the requirements do not exceed the requirements set out in the EU Network Codes. A number of these seven documents are already under a revision process and the WGs have been asked to include in their scope of work, and the TORs, the requirement to review the documents to ensure where appropriate they are consistent with the EU Codes and are not setting more stringent requirements. A number of these documents refer to power quality issues which were excluded from the RfG NC. DS had prepared a revised paper [DCRP_19_03_05](#) which detailed the rationale behind the reclassification of Annex documents to either Annex 1 or Annex 2.

Members to feedback their views on the recommendation to Ofgem for agreement.

Action: All (Complete)

VH to send the recommendation to Ofgem for agreement.

Action: DCode Admin

VH will continue to update DCRP on progress at the next meeting.

Action: DCode Admin

Panel noted progress and agreed actions.

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

The GCode had completed a piece of work to apply the requirements of RfG to Energy Storage Devices under GC0096. There was now a piece of work to be completed through the DCRP Working Group to remove any exclusions to RfG for Energy Storage Devices in G99/G98 from the DCode in line with the GCode changes. The initial proposal was still being developed by the WG. DCRP members suggested it needs to be clear why the proposal is to remove the present 'exclusions' for Elec Storage in the DCode and G98/99. No further update was available at this time. VH took an action to query with David Spillett the current position of the GC0096 working group.

Action: DCode Admin (Complete)

The Panel noted progress and agreed actions.

5.3.Revision of Engineering Recommendation (EREC) P2 – Security of Supply

Ofgem had agreed to retain the recommended legal text from the DNOs in the distribution licenses required for implementation of P2/7 and subsequent P2 standards. Ofgem had advised that they had released a statutory consultation on Standard License Condition (SLC) 24 to allow for P2/7 to be implemented. The consultation was expected to take 56 days to complete so approval of P2/7 could be expected around July 2019.

With development of EREP 130 now completed, work had started with the DCRP P2 WG on the 3rd phase of work which was to reengage stakeholders on a possible change to the fundamental standard for security of supply (Table 1). A P2/8 Working Group of DNO members had been held 27 March 2019 to discuss potential stakeholder engagement material for DCRP P2 WG input.

Ofgem had queried the transparency of the development of P2/7 and expressed a view that the P2/8 development work needed to be more inclusive of Stakeholders. VH had prepared meeting files for the 2018/2019 meetings of the DCRP P2 Working Group which would provide transparency of recent work and Ofgem had agreed this was a good starting point. Members agreed the need to reengage with P2 stakeholders to ensure they were engaged with the next phase of work. VH was to reengage with stakeholders to re-establish membership of the DCRP P2 Working Group for the development of P2/8.

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Action: DCode Admin

The Open Networks Advisory Panel were identified as being a group of stakeholders who would be a good starting point to re-establishing engagement in the P2 work stream. The Panel also pointed to major trade and business associations as a good place to start reengagement.

The Panel agreed that a Terms of Reference should be drafted for the next phase of work. Fundamentally, the scope of the P2/8 Working Group is to engage with stakeholders to consider the question “Is there stakeholder support for further work to change the level of Security of Supply defined by P2/7 Table 1?”. This would then feed into any future development of P2/8. DCode Administrator to prepare Terms of Reference for the next Working Group meeting.

The Panel agreed this was the best course of action given the passage of time that had elapsed since the final recommendations of the DNV GL/Imperial analysis and the progress made to date with unlocking the benefits associated with implementing their recommendations. This initial activity is to address the divergence in stakeholder opinion at the conclusion of the Phase 1 project.

VH will continue to update DCRP on progress at the next meeting.

Action: DCode Admin

Panel noted progress and agreed actions.

5.4.DCRP/MP/19/03 - Revision of Engineering Report (EREP) 130 – Guidance on the Application of P2, Security of Supply

The Report to Authority along with the DCode, EREP 130, and appendices were submitted to the Authority on 29 March 2019 for implementation in line with P2/7. The RTA was currently under consideration by the Authority.

VH will continue to update DCRP on progress at the next meeting.

Action: DCode Admin

Panel noted progress and agreed actions.

5.5.DCRPMP18/01 - EREC P28 (GC0118) – Update

Proposed modification to SQSS to reflect changes to P28 under proposal GSR025 had been consulted on and was ready to be submitted to the authority alongside GC0118 and DCRPMP/18/01. The Modification had not yet been sent to Ofgem, therefore it won't be included in the 1 April 2019 SQSS publication.

VH took an action to confirm with the SQSS Code Administrator when this was to be submitted and revise the implementation date accordingly.

Action: DCode Admin (Complete)

VH will continue to update DCRP on progress at the next meeting.

Action: DCode Admin

Panel noted progress.

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5.6.DCRP/MP/18/08 - DC0079 - Frequency Changes during Large Disturbances and their Impact on the Total System

The Report to Authority along with the Implementation Plan, DCode, and G59 amendment appendices were submitted to the Authority on 26 February 2019 for implementation on 1st May. The RTA was currently under consideration by the Authority.

GS provided an update to the Panel on the recent activity to engage with stakeholders on the implementation plan. Three stakeholder seminars had been held with good feedback and queries from stakeholders received. The Panel requested GS provide a formal update to the DCRP on progress at the next DCRP meeting June 2019.

Action: GS

VH will continue to update DCRP on progress at the next meeting.

Action: DCode Admin

Panel noted progress.

5.7.DCRP/MP/19/04 – Modifications to the Distribution Code and Associated Documents for a No Deal EU Exit

The Report to Authority along with the revised DCode and associated appendices were submitted to the Authority on 28 March 2019 for implementation on 29 March 2019. The RTA was currently under consideration by the Authority but will likely be rejected as the possible implementation date was shifted to 30 October 2019 in line with the Brexit. VH was to send Ofgem a note to confirm Authority's position on "No Deal" Brexit.

Action: DCode Admin

Panel noted progress.

5.8.DCRP/GC0106 – Implementation of the EU Network Codes System Operation Guidelines

The modification proposal had been submitted to the authority, approved, and implemented in DCode v37 on 14 March 2019.

DCRP noted progress.

5.9.Modifications to EREC G99 to reflect the scope in EU 2016/631 in respect of existing power generating modules

Tim Ellingham of RWE had submitted a DCRP paper DCRP_19_03_06 to look at proposing a modification to align EREC G98/G99 with the EU NC Requirements for Generators with respect to modifications to Type A and B generation which were excluded from the RfG scope. Members agreed the issue was a legitimate challenge and was worthy of consideration. There was also uncertainty as to how to treat "relocations".

The DCRP agreed the DER Technical Forum should be the forum to consider this modification proposal and the Terms of Reference should be amended to ensure the DER Technical Forum discussed this issue and reported back to the DCRP. The DCRP would then decide on the most appropriate means of progressing the Modification as informed by the view of DER Technical Forum Members. This was seen as a pragmatic means of securing stakeholder feedback rather than creating a new DCRP WG.

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Action: DCode Admin

VH will continue to update DCRP on progress at the next meeting.

Action: DCode Admin

DCRP noted progress and agreed actions.

5.10. DCRP/MP/19/0X - EREC P18 - Update

EREC P18 had been redrafted in 2018 with some cosmetic revisions to address some minor flaws in the document. The Panel agreed to circulate the current draft of P18 to the DCRP for comment for two weeks and agreement to go to public consultation.

Action: DCode Admin

Further technical changes to address more fundamental changes to the standard would be undertaken once there was resource in place to support a working group. Members agreed starting work no later than September 2019 and schedule a meeting in September to initiate the working group activity.

MW agreed to draft a Terms of Reference for the Working Group to address the future development of P18.

Action: MW

VH to provide Terms of Reference Template to MW before sending the completed draft ToR and an invitation to key stakeholders for membership in the WG.

Action: DCode Admin

VH will continue to update DCRP on progress at the next meeting.

Action: DCode Admin

DCRP noted progress.

5.11. DCRP/MP/19/0X - EREP 131 - Update

EREP 131 “Analysis package for assessment generation security capability – Users’ guide was currently under development by a DNO Working Group following the modification to EREP 130. EREP 131 had been revised to support the development of EREP 130 with input from Imperial College London. This involved changes to the calculation spreadsheet to make the tool more user friendly and include updated guidance to reflect the changes. The development of this document was nearly complete and would be ready to proceed to public consultation ahead of the next DCRP meeting.

The Panel agreed that this modification proposal should aim to be ready to proceed to public consultation at the June 2019 DCRP meeting.

VH will continue to update DCRP on progress at the next meeting.

Action: DCode Admin

DCRP noted progress.

5.12. DG Connection Guides

The DG Connection Guides were being reviewed by Ricardo as part of an annual review. A circulation had been made to the ENA EU NC Steering Group and the ITCG on 29 March 2019 requesting comment by 12 April 2019.

VH will continue to update DCRP on progress at the next meeting.

Action: DCode Admin

DCRP noted progress.

5.13. EU Network Code for Emergency and Restoration (NCER)

NGESO had released their System Defence Plan and System Restoration Plan after consultation in Q3 2018. The plans imply a number of minor changes to the Grid Code, which will need to be raised as formal modifications soon – probably at the April GCRP.

As reported at the last DCRP there are no obvious new issues for distribution connected customers – although, depending on the clarification of Significant Grid User, owners of Type C and Type D Generating Modules might have to invest in resilient communications by 2022 – but subject to further review by NGESO.

System Defence Plan.

<https://www.nationalgrideso.com/document/135226/download>

System Restoration Plan.

<https://www.nationalgrideso.com/document/135211/download>

DCRP noted progress.

5.14. DCRP/MP/18/10 – National Grid Legal Separation

The modification proposal had been submitted to the authority, approved, and implemented in the DCode v38 on 01 April 2019.

DCRP noted progress.

6. DCRP Consultations- Approval of Panel to proceed.

6.1.D DCRP/19/05/PC - Modifications to The Distribution Code and EREC G99 of the requirements for Fast Fault Current Injection

The Panel agreed to allow the submission ([DCRP_19_03_07](#)) to proceed to Public Consultation (PC). The only stipulation was that the consultation period had to be open for four weeks given the Easter break impeded on the consultation window.

VH to circulate submission for PC and update DCRP on progress at the next meeting.

Action: DCode Admin

Panel noted progress and agreed actions.

7. Ongoing DCRP Consultations – Update

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7.1.DCRP/19/03/PC – EREC G5/5

EREC G5 Issue 5 was currently out for public consultation (released on 13 March 2019). The G5/5 Working Group had facilitated two stakeholder dissemination events (London – April 1st, Glasgow – April 10th) to explain the changes made to the document to Users in advance of the consultation closure on April 19th. The dissemination events allowed Stakeholders to ask questions about the new document and to understand the impact of the changes. The key concerns raised by Stakeholders were with respect to the Harmonic headroom allocated for connection applicants. It was anticipated, subject to stakeholder feedback received and GCode modification, that a draft Report to Authority would be available at the June DCRP meeting.

The Grid Code CA had requested the DCode Administrator to prepare the GCode modification proposal VH was to discuss the matter further with the GCode administrator.

VH will continue to update DCRP on progress at the next meeting.

Action: DCode Admin

Panel noted progress and agreed actions.

7.2.DCRP/19/01/PC – G98/G99 and G59/G83 Minor Technical Modifications and Editorial Corrections

The second consultation of minor technical and housekeeping updates to G98 and G99 and consequential amendments to G59 and G83 had closed on 1st March and produced four formal responses. These comments were addressed in the draft RTA DCRP/MP/19/01 in DCRP paper [DCRP_19_03_08](#).

There are a small number of further minor issues identified that will now be held over for a future update to G98 and G99. In the main these are issues identified from the DER Technical Forum. These include:

- Clarification of reactive requirements for Type B power generating modules in relation to the connexion point versus machine terminals.
- The relocation of existing G59 compliant generation.
- Requirements for CE marking

There is also a need to clarify the terminology associated with minimum stable operating level for generation. The wording in G99 is similar to that in the Grid Code, which is also incorrect. NGENSO propose to raise a housekeeping modification to the Grid Code to correct this. It would make sense to make this a joint piece of work between the two Panels such that G99 can be updated at the same time and in the same way.

The joint work on fast fault current injection (GC0111) is now ready to go to formal consultation – the proposed consultation paper is included in the papers to this DCRP meeting covered under Item 6.1.

The DCRP agreed to the submission ([DCRP_19_03_08](#)) of the Report to Authority.

Action: DCode Admin

Panel noted progress and agreed actions.

8. Joint GCRP/DCRP DC0079 Workgroup Frequency Changes during Large Disturbances - Update

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8.1. Phase 2 < 5 MW RoCoF Setting changes - Update

Item covered in 5.6. Remove from agenda.

Panel noted progress.

9. DCode Qualifying Standards Review

Referencing paper [DCRP_19_03_05](#) VH provided panel members with a progress update.

Panel members noted progress.

VH queried whether the Panel found the document useful. Members suggested they did but would consider other formats.

Panel noted progress.

10. Code Administration Update

10.1. *CACoP meeting*

VH was developing a DCode specific Modifications Register to assist with visibility of DCode changes and CACOP reporting. There were no significant updates for the DCRP to note.

Panel noted progress.

11. DCRP Headline report

VH to develop and publish a short Headline Report from DCRP meetings that can be shared with other Code Administrators. The DCRP suggested the content for inclusion in the headline report should summarise:

- Approved for Consultation.
- Approved for Report to Authority.
- Items though to be of interest to other codes.

VH noted the relevant items for publication and was to publish the report.

Action: DCode Admin

DCode Admin noted relevant items.

12. AOB

VH raised a few queries from IDNO's querying how to gain representation on the DCRP. SM suggested there was a route through the CNA to the ITCG. GTC were the current IDNO nomination of the ITCG on the DCRP. SM took the action to respond on behalf of the DCRP. VH to send queries to SM.

Action: DCode Admin & SM (Complete)

Panel noted information and agreed actions.

13. Date of next meeting

- Thursday 6 June 2019 at ENA commencing at 1330.

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14. Meeting Dates for 2019

Thursday 6 June

Thursday 8 August

Thursday 10 October

Thursday 12 December

All meetings to be held at ENA London.