

Confirmed Minutes of the 62nd Meeting of the GB Distribution Code Review Panel

8th December 2016

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
Kyle Martin	KM	Energy UK	Non-BM Generator
Guy Nicholson	GN	Element Power	Non-BM Generator
John Smart	JS	SSE Power Distribution	DNO
Sotiris Georgiopoulos	SM	UK Power Networks	DNO
Alan Creighton	AC	Northern Powergrid	Observer
Martin Queen	MQ	Ofgem	Authority
Steve Mockford	SA	GTC	IDNO
Mike Kay	MK	ENA	
Tim Ellingham	TE	RWE Trading GmbH	BM Generator
Nigel Turvey	NT	Western Power Distribution	DNO
Lara Nell	LN	Ofgem (item x on agenda)	Authority
Lisa Martin	LM	Ofgem (item x on agenda)	Authority

Apologies:

Morgan Wild	Citizens Advice	Customers
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1. Introductions

- 1.1 The Chairman welcomed the Panel to the meeting. Apologies were noted. DS Informed the Panel that since our last meeting both John Norbury (retiring) and Guy Phillips (new Job) have resigned from the Panel. Tim Ellingham was nominated as JN replacement and this was approved by the Panel. The Panel thanked both John and Guy for their support and representation on the Panel over recent years and wished them both well for the future.

2. Minutes of previous DCRP meeting 8 September 2016 – DCRP 16 03 09

2.1 Accuracy

Following a review of the minutes of previous DCRP meeting held 8 September 2016 the Panel accepted they were a true record and should therefore be published to the Distribution Code website.

Action: DS

2.2 Matters Arising

All actions from the above previous meeting were either completed or included on the agenda DCRP_16_04_01.

3. Initial consultation on implementing the Competition and Markets Authority's recommendations (Laura Nell and Lisa Martin, Ofgem).

3.1 Referencing paper DCRP_16_04_02 LN and LM provided the Panel with the Ofgem's latest developments relating to their initial consultation on implementing the CMA's recommendations. The consultation covers 5 key areas:

1. Initial consultation – the consultation is the first step in identifying the detail.
2. Scope – it considers what the new regulatory framework should be and how to transition to it.
3. Objective – to achieve greater coordination across codes for identifying and delivering strategic change that benefits consumers and competition.
4. Legislation – some of the proposed changes will require legislation but Ofgem need to ensure the legislation is fit for purpose.
5. Code consolidation – this is not in scope, but may be a beneficial longer term outcome of new code governance arrangements.

3.2 The consultation closes on 1 February. There is a workshop planned for the 12 January 2017. Details of both the consultation and workshop can be found at CodeGoveRemedies@ofgem.gov.uk.

The Panel noted developments.

4. Grid Code Issues

4.1 Referencing paper DCRP_16_04_03, SC provided the Panel with a brief summary update on the key distribution code related issues of interest discussed at the recent Grid Code Review Panel meeting held on 16 November 2016.

4.2 The key updates included:

- Proposals for a new joint panel working group to investigate requirements for Energy Storage Systems and clarify requirements for users.
- The implication of EU project TERRE (Trans European Replacement Reserves Exchange). The key parties affected are BM participants rather than smaller embedded generators, but TERRE is applicable for generators >1MW i.e. embedded, although it's likely that if they want to participate in TERRE they will need to become a BM unit. There does seem to be different levels of BM participant – there may be some definitional issues in the DCode, and there could be some commercial implications.
- EU Code RfG. Consultations on Banding, Fault Ride Through, Reactive power and voltage are expected soon.
- Updates on EU Network Codes RFG, TSOG and E&R.
- Updates on EID EU Code implementation approach; and
- Presentation by the NGET Week 24 team expressing concern about the timeliness and accuracy of the Week 24 submission.

Full details behind the issues can be found in paper DCRP_16_04_03.

The Panel noted developments.

5. EU Network Codes – Latest Developments

5.1 EU NC Issues and update presentation

Referencing paper DCRP_16_04_04, MK provided the panel with the latest progress and developments relating to the GB implementation of the EU network codes and in particular with an update on the work of the joint panel working group GC 0048 and its various supporting sub groups.

5.2 NC Modification Timeline

Referencing paper DCRP_16_04_04a, DS provided the panel with an update on the proposed timeline for potential DCode modifications mainly focusing on the first 6 months of 2017. All of the potential modifications are as a result of the implementation into GB of the EU Network Codes. SC was concerned regarding the resources that would be required to deliver these modifications and requested DS to raise this with the management at ENA.

Action: DS

5.3 Project Terre

Referencing paper DCRP_16_04_04b, DS provided the panel with an update on the project TERRE. An early adoption project of the EU Electricity Balancing Framework, TERRE is expected to go-live in Q3 2018. It sets a common platform for Replacement Reserves across EU regions. National Grid is proposing the setting up of a new WG GC0097. The WG will consider the Grid Code impacts of TERRE and manage any necessary modifications. Nominations from DNOs are being sought to ensure any consequential impacts on the DNOs is managed. The WG will also consider what changes are needed to facilitate the participation of parties not currently bound by Grid Code or existing Balancing Mechanism process. This may need coordination with the Distribution Code. Further details can be found in the paper.

5.4 National Grid ENC Implementation Approach

Referencing paper DCRP_16_04_04c, DS provide a short overview on the emerging EID EU Code implementation approach that was tabled by NGET at the recent JESG meeting.

5.5 ENTSO-E Implementation Guidance Documents (IGDs)

Referencing paper DCRP_16_04_04d, DS updated the panel on the recently published ENTSOe IGDs. The network code on requirements for grid connection of generators (RfG) mandated ENTSO-E to provide within six months of the entry into force of this legislation, non-binding written guidance (IGDs) to its members and other system operators concerning the elements of this Regulation requiring national decisions. The current publication represents the ENTSO-E delivery of the above legal requirement and includes 18 guidance documents which are available on the ENTSOe website. See paper for details of the 18 documents.

The panel noted developments and progress relating to the GB implementation of the EU Network Codes.

6.0 Proposed Modifications to the Distribution Code

6.1 Consequential Changes to the Distribution Code on Entry into Force of the Transmission System Operation Guidelines EU Network Code

Referencing paper DCRP_16_04_05, MK provided the Panel with the background and purpose of proposed DCode modification. Following discussions it was suggested that the Code Administrator should undertake a short public consultation to ensure stakeholders were comfortable with the proposed minor modifications to the DCode.

Action: DS

*Post meeting update: Public Consultation opened 13 January and closes 3 February.
Full details of the consultation can be found [here](#) on the DCode website*

6.2 Align the Distribution Code with changes to the Significant Code Review requirements

Referencing paper DCRP_16_04_05a, DS provided the Panel with the background and purpose of proposed modification to DCode and the DCode Constitution and Rules. Following discussions it was suggested that the Code Administrator should undertake a short public consultation to ensure stakeholders were comfortable with the proposed minor modifications to the DCode and the DCode Constitution and Rules.

Action: DS

*Post meeting update: Public Consultation opened 17 January and closes 7 February.
Full details of the consultation can be found [here](#) on the DCode website.*

6.3 Proposed update to the Distribution Code Guidance Note 3 – ER G83

Referencing paper DCRP_16_04_05a, DS provided the Panel with the background and purpose of the suggested minor update to DCode Guidance Note 3. As Guidance notes 1-3 do not form part of the approved Distribution Code and are for information only the Panel agreed to the minor update. Code Administrator to update Guidance Note 3 with a new expiry date and reissue.

Action: DS

7.0 Joint GCRP/DCRP Workgroup Frequency Changes during Large Disturbances – Update

7.1 Phase 1 - >5MW RoCoF Setting changes latest progress update

Referencing paper DCRP_16_04_06, DS provided the Panel with an update on the latest progress on implementation of phase 1 of the >5MW RoCoF settings change programme.

Panel noted progress.

7.2 Phase 2 – Proposed <5MW Work Package - latest developments

GS provided the Panel with an update on the latest developments associated with GC0079 and the proposals for phase 2 of the <5MW RoCoF setting change programme.

Panel noted progress.

7.3 Revised ToR for WG GC 0079 Nov 2016

Referencing paper DCRP_16_04_06a, GS briefed the Panel on the proposed update to the Joint Panel WG GC 0079 Terms of Reference (TOR). The key update to the TOR is that Phase 2 will now also investigate the suitability of Vector Shift protection as an alternative to RoCoF, taking into account its possible unsuitability for transmission fault ride through requirements. As a consequence of this work the delivery of the final report is now expected in summer 2017.

7.4 SC had two comments on the revised TOR in particular:

7.4.1 In relation to TOR 9(f) - *Investigating the characteristics of popular/likely inverter technology deployed in relation to its behaviour in the presence of the voltage phenomena associated with transmission faults*. This seemed an open ended TOR and the concern was how would this be measured and what would be the output. GS responded by indicating that the work group already had a specific work package for this which includes a representative batch of inverters as was used for the RoCoF testing and they would use these for the V/S testing. GS agreed the wording could be improved and would therefore review 9(f) and improve the scope of that particular paragraph.

7.4.2 This issue related to the deletion of the crosslinking in deleted section 11. GS responded that this particular issue relates to RoCoF withstand which is now included in the scope of the work of GC 0087. GC 0079 will focus on the Loss of Mains aspects of RoCoF and now V/S.

The Panel noted and approved the revised GC 0079 WG TOR and extension of project delivery timescales.

8.0 ER P2 Revision – Update on progress

8.1 Referencing paper DCRP_16_04_07 and 07a, DS provided the Panel with an update on the progress of the revision to ER P2.

8.2 WS 8 Report

Referencing paper DCRP_16_04_07, DS provided the Panel with a brief overview of the findings contained in the WS8 report. The report summarises the key findings from the fundamental review of Engineering Recommendation P2, which was conducted by the Distribution Code Review Panel (DCRP) P2 Working Group and a Consortium of advisors comprising DNV GL, Imperial College London and NERA Economic Consulting. It recommends to the DCRP that there is a strong economic case for reform of P2, and that the review should continue to a second phase of work to develop a new standard and more fully appraise the economic case for its introduction.

8.3 Through the ongoing review of P2, the P2 Working Group has examined a range of analysis prepared by the Consortium. The work conducted leads to the overarching conclusion that – for

a range of reasons discussed further in the report – there is a strong economic case for the reform of the current standard.

8.2 Next Steps

Referencing paper DCRP_16_04_07a D,S provided the Panel with a brief update as to the next steps of the P2 review. DS will provide a further update at the next Panel meeting in March 2017.

Action: DS

The Panel noted progress.

9.0 DCode Qualifying Standards for revision – December 2016 Update

9.1 Referencing paper DCRP_16_04_08, DS provided the Panel with an update on the latest progress of revision to the DCode Qualifying Standards.

The Panel noted progress.

10.0 Code Administrator Update

10.1 Referencing paper DCRP_16_04_09 DS provided the Panel with an update on the latest Code Administrator's issues and developments. This included a particular brief update on the Ofgem Code Administration Survey.

The Panel noted progress.

11.0 DCRP Membership

11.1 Referencing paper DCRP_16_04_10, DS provided the Panel with an update on the annual review of Panel membership. It was noted that John Norbury and Guy Phillips representing BM Generators had both submitted their resignation from the Panel. John had nominated Tim Ellingham as a replacement and this was approved by the Panel. There is therefore a vacancy on the Panel for a Generator BM representative. In addition DS was also concerned on the lack of attendance at the Panel meetings of the two members representing Users. Unfortunately neither of the representatives has been in attendance at any of the Panel meetings during 2016.

11.2 The Panel agreed to the nomination of Tim Ellingham as a new representative for Generators BM replacing John Norbury. The second Generator BM vacancy will be advertised.

11.3 With regards to the two User representative the Panel agreed that the appropriate action as laid down in Section 17 (d) of the DCode Constitution and Rules should be followed and the resulting two User Panel member vacancies advertised on the DCode website.

Action: DS

12.0 AOB

12.1 Energy Storage Systems

DS provided the Panel with a brief update on the developments associated with the connection of small scale energy storage systems. The IET is currently drafting a Codes of Practice

DCode

DCRP_16_04_11

document on Energy Storage and it has become apparent during its development that there is currently an inconsistent approach to how domestic storage is being treated by the DNOs. It is felt by manufacturers and installers that the requirements imposed in some instances not only drive costs up (thus making schemes unviable) but also cause significant delays.

- 12.2 The ENA has subsequently developed a fast track application process for the connection of these systems and is preparing formal guidance which will explain how the revised application process for domestic scale (EREC G83) Energy Storage is to be implemented both for manufacturers' installer but also DNOs. It is expected that the draft proposals will be submitted for public consultation early January 2017.

Action: DS

- 12.3 DS also informed the Panel of correspondence received from Solarcentury relating to Energy Storage which links into the work associated with the developments of the fast track approach outlined above.

13.0 DCRP Administrative Review

- 13.1 The Panel expressed that it was content with the manner in the operation of the Panel and the manner in which Panel business was discharged.

14.0 Date of next meeting

Thursday 9 March 2017 - At ENA

Thursday 8 June – Teleconference

Thursday 7 September – Teleconference

Thursday 7 December - Teleconference