

## Unconfirmed Minutes of the 65<sup>th</sup> Meeting of the GB Distribution Code Review Panel

**7th September 2017**  
**Meeting held at ENA at 1330.**

### Attendees:

Name		Company	Representing
Steve Cox	SC	Electricity North West	Chairman
David Spillett	DS	ENA	Code Administrator
Alan Creighton	AC	Northern Powergrid	DNO
Graeme Vincent	GV	SP Energy Networks	DNO
Martin Queen	MQ	Ofgem	Authority
Matthew Ramsden	MR	Ofgem (agenda item 1 only)	Authority
Kate Dooley	KD	Energy UK	Non-BM Generator
Guy Nicholson	GN	Element Power	Non-BM Generator
Matthew White	MW	UKPN	DNO (alternate)
Nigel Turvey	NT	Western Power Distribution	DNO
Tim Ellingham	TE	RWE Trading GmbH	BM Generator
Awais Lodhi	AL	Centrica	Supplier
Richard Colwill	RC	ENA	Code Administrator
Xiaoyao Zhou	XZ	National Grid	OTSO
Mike Kay	MK	ENA	Code Administrator

### Apologies:

Steve Mockford	GTC	IDNO
Morgan Wild	Citizens Advice	Customers
John Smart	SSEN	DNO
Sotiris Georgiopoulos	UK Power Networks	DNO

## 1. Introductions

SC welcomed the Panel Members and Guests to the meeting. General introductions were provided and apologies were noted.

## 2. Ofgem Presentation/Updates

### 2.1 Industry Codes and Brexit presentation

Referencing papers [DCRP\\_17\\_04\\_02](#) and [DCRP\\_17\\_04\\_02a](#) MR provided an update for the Panel on the impending impact of Brexit on the Industry Codes and how with the cooperation of the Code Administrators the Codes are being reviewed to remove any reference to future EU legislative requirements.

Code Administrators were invited to a session with Ofgem to get them to think about the implications for their codes of Brexit. Ofgem (and BEIS) are keen to understand the implications on the codes and make sure they are fit for purpose post immediately post Brexit. For example

in the DNO licences there is a sentence re application of EU regulations. These are reflected in the DCode Objectives.

Presentation –

- MR is part of the Ofgem EU co-ordination team looking at the Brexit arrangements. This team has previously looked at EU policy.
- Government are looking ensure all EU legislation is reflected in UK law.
- Ofgem are looking at all potentially affected electricity related legislation and licences to assess any required changes. This flagged up Industry Codes that will need to be reviewed – including the DCode.
- Ofgem have reviewed the industry Licences and assessed each ‘EU’ references to identify areas that ‘wouldn’t work’ on day 1 post Brexit (29/3/2019) in a ‘no reciprocal agreement world’. Generally these areas were definition related and references to EU organisations. Ofgem will make licence modifications where necessary. The list of issues apparently wasn’t huge.
- One definite change relates to the objective to comply with EU network codes.
- Implementation of EU codes still needs to be progressed as whilst we are ‘still in Europe’ we still need to comply with EU Regulations and there may well be an agreement to continue to apply EU codes even after Brexit.
- MK thinking is that lots of the changes to the DCode/GCode probably are required to support future grid development – so are expected to be enduring in any event.
- Code Administrators expected to trawl the Codes by the end of September, and assessing the options to address any issues in October. This will allow the formal modification process to start on April 2018, so that all modifications are ready to be implemented by 29 March 2019.
- DS has carried out the ‘trawl’ through the DCode and the issues are not thought to be too onerous. DS will bring these to the attention of the panel.

**Action: DS**

### 3. Minutes of previous DCRP meeting 8 June 2016 – DCRP 17 02 14

#### 3.1 Accuracy

The Panel reviewed the minutes [DCRP\\_17\\_02\\_14](#) from the previous DCRP meeting held 8 June 2017. 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**

#### 3.2 Matters Arising

All actions from the previous meeting were either completed or included on agenda [DCRP\\_17\\_04\\_01](#)

- Ofgem Flexibility response suggested that there would be new primary legislation re the definition of Storage. Ofgem are to issue a consultation proposing that storage is a subset of generation
- LFDD. XZ provided the Panel with a brief update on progress. NGET will arrange another meeting of the TDI WG and agree how implement the new options e.g. to move LFDD relays lower down in the network or apply some sort of reverse power blocking. NGET to confirm which DNO reps would be invited to reconvene.

**Action: XZ**

## 4. Grid Code Issues

### 4.1 GCRP 16 August 2017 - Update

As there was no DCRP rep at the August GCRP DS provided a brief overview of the draft minutes from the meeting a identified the following issues of interest. DS to check with the NGET CA whether the DCode Administrator could attend if the main or alternates can't go.

**Action: DS**

Main points from the meeting of interest to DCRP:

- £100k materiality assessment threshold.
- New independent chair seems to have been appointed..
- Open Pre-panel conference calls to be arranged to encourage wider industry engagement.

## 5. EU Network Codes- Latest Developments

### 5.1 EU NC Issues and update presentation, Inc updates on GC100, GC101, GC102, GC103 and request from NIEN to adopt G98 & G99.

Referencing paper [DCRP\\_17\\_04\\_03](#) MK provided the Panel with an update on the latest developments relating to the GB implementation of the EU Network Codes.

Key updates from 6 Sept NGET GC100, 101 meeting:

#### TSOG

- Now published and comes into law 14 September 2017

#### RFG

- GC100 & GC101 GCode / DCode consultations will include G98 and G99 text for these areas.
- GC100 & GC101 consultation is imminent, with a 15 day consultation period.
- System management approach is to maintain the status quo.
- The requirement for fault recorders and operational metering needs further thinking.
- Large Medium Small proposal is to retain this terminology for commercial and regulatory requirements. Probaby not a material impact on the DCode.
- Compliance date issue, and the letter sent to Ofgem and BEIS. Informally Ofgem support the pragmatic view expressed in the letter. Ofgem's lawyer is considering it.
- Compliance process workshop held which raised awareness of the lack of status of Equipment Certificates.
- G98-1 and 2 nearing completion.
- G99 will include A-D.
- G98 will include a carve out for sub 800W units.
- Expected that these new ERs will be complete in 4-8 weeks.
- DCC work is restarting under GC104 and to be presented as a joint WG with the DCRP.
- HVDC not expected to have a material impact on the DCode.
- NIE currently share G83 and G59, but not the current versions we use. NIE would like to use G99 and G98, but these are covered by different regulatory governance. Their aim is to just have one common standard that is applicable. Agreed to develop

the documents to be as common as possible, but with separate governance processes. DS to feedback to NIEN the Panel's decision.

**Action: DS**

- TSO data requirements – looking to achieve the status quo.
- Emergency & Restoration Code. Mapping exercise has been carried out and is now with Ofgem and it looks like there are no Entry Into Force issues

The Panel agreed to endorse the proposed course of action on the above issues and noted general progress.

## **5.2 EU NC GB CA Modification Plan.**

DS provided a brief update on the the overall Code Administration plan covering all the industry codes. The plan which is a working document maintained by all CAs can be found here - <https://www.elexon.co.uk/reference/europe/>

## **6. New DCode/Grid Code Modification Proposals/Updates**

### **6.1 GC104 modification proposal**

Referencing paper [DCRP\\_17\\_04\\_04](#) DS presented the National Grid proposals for a joint modification proposal GC 104. This joint Panel modification proposal will set out within the Grid and Distribution Codes the compliance obligations in the European Network Code – Demand Connection Code (DCC).

The Panel agreed to support the modification proposal GC 104.

### **6.2 Revision to P28 and consequential impacts to DCode**

Referencing paper [DCRP\\_17\\_04\\_05](#) DS provided the Panel with an update from the Working Group. The paper identifies the main Distribution Code modifications that will be required as a result of the revision of Engineering Recommendation P28. Following a short discussion the Panel confirmed that P28 only applies to connectees and were happy that the footnote in the draft P28/2 suggesting that requirements might apply to DNOs networks is deleted.

The P28 WG may need to consider if the reference to step voltage changes needs to be retained in DPC4.2.3.3 as this might be the only reference to voltage step changes that could be used as a justification for investment.

The Panel agreed that the working group should be asked to develop the DCode legal text changes to implement P28. AMC offered to assist.

**Action: DS/AMC**

The next step will be the WG consultation phase.

The Panel noted progress.

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

### 7.1 Phase 1 - >5MW RoCoF Setting changes update

Referencing paper [DCRP\\_17\\_04\\_06](#) DS provided the Panel members with the latest progress of implementing the changes to the protection settings for >5MW Power Stations. UKPN has now completed its programme and there are only two sites (52MW) within SPEN area that requires to complete the changes. Once this work is complete the overall programme will be complete.

Panel noted progress.

### 7.2 Phase 1 - <5MW RoCoF Setting changes update

- RoCoF - GC 0079 WG – Update  
MK provided the Panel with an update on the progress of the RoCoF phase 2 work. Work on the CBA on the retrospective changes is expected to be completed by December 2017.
- DCRP/17/05 Public Consultation update  
MK updated the Panel on the recent response to the DCRP/17/05 public consultation. The Working group will meet on 26 September to discuss the comments received. It is expected that the WG will then be able to work with the network operators to create a report for the DNOs to send to the authority recommending changes to RoCoF settings, and the disallowing of vector shift protection for all new commissioned generation with effect from a date early in 2018.

The Panel noted the progress.

- Revised ToR  
Referencing paper [DCRP-17\\_04\\_06a](#) DS updated the Panel on the proposed GC 0079 TOR which now reflect the DCode TOR template style and format. The Panel approved the revised TOR.
- GCRP & DCRP Website  
With the change to the governance arrangement of this work group from Grid Code to Dist Code DS informed the Panel on the changes that are proposed to the GC 0079 website and that from 1 October all work associated with this WG will be held on the DCode website. GC 0079 website will still be accesable but will only hold information pre 1 October 2017.

Panel noted developments.

## 8. ER P2 progress update revision

Following on from the four workshops the Network Operator P2 working group met to draft proposed changes to P2. The purpose of this initial change to P2 is to;

- 1 Clarify the scope and objectives of P2 versus ETR130 which have become entangled with = considerable duplication.. P2 is clarified as a standard defining what technical aspects should be considered and what standard of supply security be attained, whilst ETR130 becomes a recommendation on how to achieve the required degree of security;

- 2 Formally incorporate DSR into P2;
- 3 Remove F-Factors and other tables that are already duplicated in ETR130;
- 4 Refresh the definition of demand to appropriately include consideration and treatment of flexible resources such as DG and DSR;
- 5 Specifically exclude the security of supplies to Distributed Generation from the scope of the security standards required by P2 as justified by the earlier work phases.

A working draft of P2/6 including the recommended revisions and will be presented to the wider stakeholder P2 working group for consideration with the aim of submitting a formal DCRP proposal for modification in December 2017. Subject to DCRP approval this would then lead to a formal DCRP consultation, request for approval by the Authority and subsequent implementation around Q1 2018.

After this initial modification (known as 2a) it is proposed that two further stages are progressed in parallel. Stage 2b will review the level of security detailed in the standard and the method of determining group boundaries. This stage contains considerable stakeholder challenges as well as requiring detailed computational analysis. .

Stage 2c will tidy up ETR130 incorporating those elements removed from P2 where appropriate and improving the structure of the document. More significantly it will revisit all tables and provide new tables for DSR etc.

Due to the challenge of the analysis required by stages 2b and 2c the code administrator will most likely look at tendering for this work.

Panel noted developments.

## **9. DCode Qualifying Standards for revision**

### **9.1 September 2017 progress update**

Refrencing paper [DCRP\\_17\\_04\\_07](#) 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.

### **9.2 Letter from Network Rail (P29)**

Refrencing paper [DCRP\\_17\\_04\\_07a](#) DS update the Panel on the contents of a letter he had recently received from Network Rail (NR). The introduction of the Intercity Express Train on the East Coast Main Line (ECML) will result in increased electric services starting in December 2018 and leading up to the adoption of a new timetable in May 2021. Work over the past few months by NR has identified the need for considerable investment of the traction power between Bawtry (Doncaster) and Edinburgh. Engineering options are currently being evaluated by NR, but the initial estimate of costs is significant (circa £200m-£700m) with a large part of this expenditure focused on complying with the current NPS limits in ENA ER P24 – Traction Supplies to British Rail..

NR are aware of the recent OFGEM decision regarding voltage unbalance (GC0088), and the corresponding change to the Grid Code. The corresponding Distribution Code (D-Code) plus ENA Engineering Recommendations P29 and P24 have yet to be updated, but NR understand there are

plans to align these documents in the near future, and possibly before prior to the introduction of the new timetable in May 2021.

Being able to make use of the revised limits before publication (for planning purposes) would refocus the traction power design and allow a wider range of enhancement opportunities to be explored, with the potential of significant savings of the estimated enhancement costs.

NR are seeking advise if they and the DNOs should be working to the new or existing limits when assessing the impact of the May 2021 timetable? ENA were requested to respond with a opinion before the end of August. This would allow Network Rail to complete an option selection process and present the conclusion to the Department for Transport before the end of September.

Following discussions by the Panel it was agreed that the code administrator would respond to the letter informing NR that until ER P29 is revised then the limits to apply are those set out in the current version of ER P29. In addition it would be benficial for any revision of ER P29 to understand the conclusions of the current work revising ER P28 and to some extent ER G5.

**Action: DS**

## **10. Code Administrator Update**

### **10.1 Code Administrator Terms of Reference and the annual Code Administration Code of Practice review.**

Referencing paper [DCRP\\_17\\_04\\_08](#) DS provided the Panel with a Code administrator update. There were two key issues in the paper the first relating to draft TOR for the Code Administrator Group and the second on the proposed 2017 CACoP annual review stakeholder open letter..

Following short discussion the Panel agreed to the proposed TOR and to the darft open letter. DS will inform the Code Administrators of the Panel's decisions at the next CA meeting on 27 September.

**Action: DS**

### **10.2 Draft DCode alternative modification proposal form**

Referencing paper [DCRP\\_17\\_04\\_08a](#) DS updated the Panel on the proposed new draft DCode alternative modification proposal form. The Panel agreed to the proposal and DS will make this available for stakeholders on the DCode website.

**Action: DS**

## **11. Panel membership**

### **11.1 Latest Update**

Referencing paper [DCRP\\_17\\_04\\_09](#) DS provided the Panel with an update on DCRP membership. There are still several postions vacant notably the User category. DS will continue to endeavour to fill the vacancies with suitable candidates.

Panel noted developments

## **12. AOB**

There was none

### **13. DCRP Administrative Review**

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

### **14. Date of next meeting**

- Thursday 26 October 2017 (ENA)

### **15. Remaining meeting dates for 2017**

- Thursday 7 December (ENA)

### **16. DCRP & ITCG Meeting Dates for 2018**

- Thursday February 8th
- Thursday April 5th
- Thursday June 7th
- Thursday August 9th
- Thursday Oct 4th

**All meetings will be held at ENA London.**