Grid Code Review Panel

Thursday 29 October 2020

Online Meeting via Teams

Microsoft Teams details

Meeting link (copy into web browser):

Join Microsoft Teams Meeting

Audio connection:

Telephone: +44 20 3443 6278

Conference ID: 396 450 520#

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WELCOME

As we continue to operate in these uncertain times and following best practice from other businesses, we want to adapt to be able to facilitate the governance process in the best possible way. Since moving to virtual Panel meetings, we have found it harder to accurately capture minutes and attribute comments correctly to attendees. We are also conscious of the impact of short periods of poor sound quality. With your consent, we wish to use WebEx to record all Panel meetings to help us accurately document minutes. We want to assure you that the recordings will be explicitly used to document minutes only and the same protocol for Panel meetings still applies in terms of strict confidentiality. As has always been the case, the draft minutes will be sent to Panel and the Chair for approval each month. Once the minutes are approved, the recording will be deleted. A reminder of this and consent will be sought at the beginning of each meeting, to be noted in the minutes.

As the independent Panel Chair, we have tested the appropriateness of recording Panel meetings with Trisha McAuley who is supportive of the approach. We welcome any comments or feedback on this.

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Approval of Panel Minutes

Approval of Panel Minutes from the Meeting held 24 September 2020

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Actions Log

Review of the actions log

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Chair’s Update

An update from the Chair about ongoing relevant work, discussions etc.

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Authority Decisions

- **GC0131: ‘Quick Win’ Improvements to Grid Code Open Governance Arrangements**

Decision Pending

In Flight Modification Updates

Review of all Grid Code modifications with current status, next steps and any Panel recommendations

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- **GC0121** - approve revised Legal Text and issue for Code Administrator Consultation
- **GC0130** - approve revised implementation date from 27 November 2020 – 02 February 2021
- **GC0133** - approve draft Terms of Reference
- **GC0136** - approve re-baselined Legal Text and issue for Code Administrator Consultation
- **GC0142** - instruct this to go through another Code Administrator Consultation or, to have another recommendation vote (DFMR stage) after making changes.

GC0121

Grid Code changes in the event the UK leaves the EU without an agreement

Phil Smith National Grid ESO

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Background to GC0121 'Brexit no deal' mod

- GC0121 was originally raised in February 2019 at which point the UK was expected to leave the EU on 29 March 2019. The Panel voted that the mod met the self-governance criteria and should proceed straight to CAC, which was run in March 2019.

- It was then put on hold as Brexit was delayed and the UK subsequently agreed a number of extensions with the EU.

- The UK is in a transition period until 31 December 2020. The UK's departure became effective on 31 January 2020 at which point the UK entered a transition period which will end on IP (Implementation Period) completion day, which is expected to be 31 December 2020. During the transition period the UK must comply with all EU rules and laws.

- We are now progressing with the mod in preparation for 31 December 2020, in the event that the UK leaves on that date without a deal.

- If an agreement is reached between the EU and the UK we will withdraw this mod. Subsequent mods may then be required.

Latest version of GC0121 proposal and legal text

- No change to the defect:
  "In the event that the UK leaves the EU without an agreement, the Grid Code needs to be amended to ensure the provision in the relevant Statutory Instruments that have been prepared under the European Union (Withdrawal) Act 2018 as well as relevant consequential licence modifications will function effectively in the context of the Grid Code."

- Proposal now in new template with updated context added to reflect the current position of the UK in relation to Brexit

- Legal text updated to reflect current position including current status of Statutory Instruments, to add clarity, and to take account of changes to the baseline since March 2019. Revised approach taken to referencing Retained EU Law.

- Implementation of this modification would be sought as soon as practicable following the UK's exit from the EU, in the event the UK leaves the EU without an agreement

- RECOMMENDATION TO PANEL: Proceed with a second CAC.

GC0130

Request to move implementation date
from 03 December 2020 to 02 February 2021

Phil Smith National Grid ESO

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Background to GC0130 and P408

- Grid Code modification GC0130 seeks to simplify the process for generators to submit outage information to NGESO and to reduce duplication in the data submission process.
- NGESO raised P408 to modify Section Q of the BSC to reflect the Grid Code changes
- Both mods were approved, with implementation dates of 27 November 2020 for GC0130 and 03 December 2020 for P408, with the expectation that these dates would subsequently be aligned.
- Both modifications must be implemented concurrently to ensure compliance can be achieved, as the changes to the two codes are interdependent.
- Delays to the delivery of NGESO's IT solution have meant that we are no longer confident of hitting the original target of late November / early December.
- We recommend a revised implementation date of 02 February 2021 for both modifications.

Reasons for delay to delivery of solution

- IT delivery complexity – during detailed design phase, the timescale & effort needed to build the solution within the projected timescales & sufficiently test the solution turned out to be more challenging than expected

- Resources – with resources shared concurrently across a wider programme of delivery, additional scope was identified elsewhere which needed priority work to address, additionally onboarding new resources took longer than anticipated.

- COVID-19 impact – difficulty due to increased virtual working and working adjustments

Risks if original implementation date is not changed

- Insufficient timescales for testing of new E2E solution to satisfy business & industry go-live requirements.

- Risk on industry readiness – industry response to our comms has been low, whilst this is starting to improve, there is a considerable risk of not having sufficient buy-in and adoption of the new system given our system readiness window.

- Risk of code non-compliance – due to the proximity of current go-live to December change freeze period, timelines to achieve this are tight and we don't have any contingency time if we cannot achieve that current timeframe and therefore the delay could be significant i.e. mid-January

GC0136 - Non-material changes to the Grid Code following implementation of the EU Connection Codes - Approval

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GC0136: Ask of the Panel

The Panel is invited by the Independent Chair to:

- approve re-baselined Legal Text to issue for Code Administrator Consultation

GC0142 and GSR026 Update

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Ofgem Request - GC0142

Ofgem highlighted some areas of the Grid Code that could also be updated within the scope of the GC0142 modification.

We have now received an official send back of this modification with the request for some further work.

The legal text has been drafted to suit these reference points.

Ofgem Request- GC0142

Grid Code Reference	Ofgem Comments	ESO Response
PC.A.2.2.2 PC.A.2.2.3 PC.A.6.2.1(f)	Refer to Supergrid Voltage and 132kV, there is therefore a gap between >200kV and 132kV. I understand that reference to Supergrid voltage and 132kV under Schedule 5 are changed under this proposal, however these parts mirror PC.A.2.2 - should the changes not be made there too?	Agree- these should have been picked up in the modification. Suggest to add in each of these 3 points at 'or above' 132kV Example: (f) the following data is required on all transformers operating at **Supergrid Voltage** throughout **Great Britain** and, in Scotland and **Offshore**, also at or above 132kV (including **OTSUA**): three or five limb cores or single phase units to be specified, and operating peak flux density at nominal voltage;

These 3 Grid Code reference points all require the same treatment. Adding the words 'or above' at the 132kV reference point.

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Ofgem Request- GC0142

Grid Code Reference	Ofgem Comments	ESO Response
Tables under OC5.5.4	specify reactive capability testing, stating reactive power output measurements under steady state conditions should be consistent with Grid Code requirements i.e. +/-5% at 400kV, 275kV and 132kV and lower voltages - should this be amended to exclude reference to the specific nominal voltages?	Agree- to have these changed in the modification. Although the 'ie' is provided for illustration but it would be better to say : Measurements of the **Reactive Power** output under steady state conditions should be consistent with Grid Code requirements i.e. fully available within the voltage range ±5% *all* ~~*400kV, 275kV and 132kV and lower*~~ voltages.

Ofgem Request- GC0142 Request

Grid Code Reference	Ofgem Comments	ESO Response
OC3.4.1 (system incident reporting)	references explicit nominal voltages (400kV and 275kV or 132kV) for incident reporting - should this not be amended to a voltage range (i.e. >275kV and between 275kV and 132kV).	This is an issue caused through base lining through GC0105 in May. Agree that this should be changed. iii) a fault on the National Electricity Transmission System which: A. could be linked to the known or reported tripping of 250MW or more as reported in (i) above ; and/or B. (as detailed in section CC6.1.4) is linked to a change in the Transmission System voltage of more than I. At or above 300kV~~400kV~~: > +/- 5% for >15min; or II. From 132kV to 300kV ~~275kV or 132 kV~~: > +/- 10% for >15min;

GC0142: Ask of the Panel

The Panel is invited by the Independent Chair to:

1. Instruct this go through another Code Administrator Consultation or,
2. Do another recommendation vote (DFMR stage) after making changes.

Ofgem Request GSR026

Ofgem highlighted there was a note in the FMR to suggest there was an amendment to the legal text.

Ofgem Comments	ESO Response
GSR026 FMR notes a suggested amendment (from consultation) to the proposed changes to Table 6.4 such that interfaces to distribution networks and non-embedded customers refer to '132kV and above' rather than explicitly '132kV'. This change is not included in Annex 3 legal text.	We agreed to leave this as it was. Table 4 looks OK and refers to embedded customers connected at either 132kV or less than 132kV. If they are embedded then they are connected to the distribution system which is 132kV or below and we couldn't add simply 'and above' without qualifying an upper limit or what would happen if the voltage was greater than 200kV etc. If we were to amend this table, there would be an overlap to the other voltages, and other limits would therefore apply.

Ofgem have advised that this note should be amended on the FMR, with the comments to say why it was not updated after discussion in the panel meeting.

Dashboard – Grid Code (as at 21 October 2020)

Category	May	Jun	Jul	Aug	Sept	Oct
New Modifications	3	0	2	0	0	0
In-flight Modifications	24	24	22	22	22	22
Modifications issued for workgroup consultation	1 *GC0134*	0	1 *GC0131*	0	0	0
Modifications issued for Code Administrator Consultation	1 *GC0143*	1 *GC0143*	2 *GC0142* *GC0131*	0	0	0
Workgroups held	4	2	4	4	5	5
Authority Decisions	1 *GC0143,* *GC0096* *GC0105*	0 *GC0132*	0	0	1 *GC0133*	1 *GC0142*
Implementations	1 *GC0143*	4 *GC0096* *GC0105* *GC0129* *GC0132*	0	0	0	0
Modifications on Hold	1	1	1	1	1	0
Workgroups postponed due to quoracy issues	0	0	0	0	0	0

Grid Code Workgroups for next 3 months (as at 21 October 2020)

October (total = 5)

- GC0138/141 - 8 Oct
- GC0139 – 14 Oct
- GC0147 – 16 Oct and TBC
- GC0144 – 20 Oct

November (total = 6)

- GC0145 x 2 – 3 Nov and 24 Nov
- GC0109 x 2 – 12 Nov and 24 Nov
- GC0134
- GC0139 – 17 Nov

December (total = 5)

- GC0147
- GC0145 – 8 Dec
- GC0144
- GC0134
- GC0137

January (total = 2)

- GC0109 x 2 – w/c 11 Jan and w/c 25 Jan

See Notes explaining what each Modification is seeking to achieve

CUSC Workgroups for next 3 months (as at 21 October 2020)

October (total = 2)
- CMP328 – 15 Oct
- CMP344 – 22 Oct

November (total = 5)
- CMP328 x 2
- CMP344
- CMP326
- CMP330 – 9 Nov

December (total = 2)
- CMP326
- CMP330

January (total = 4)
- CMP328 x 2
- CMP326
- CMP330

See Notes explaining what each Modification is seeking to achieve

STC and SQSS Workgroups for next 3 months (as at 21 October 2020)

October

- GSR027 – 6 and 8 Oct

November

December

January

GSR027 - To address the specific actions from the Energy Emergency Executive Committee (E3C) and Ofgem final reports into the power outage of 9th August 2019 for the ESO to review, in consultation with industry, the NETS SQSS requirements that drive reserve, response and inertia holding on the GB electricity system.

BREAK

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Workgroup Reports

None

Draft Final Modification Reports

None

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Reports to Authority

None

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Implementation Update

None

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Electrical Standards

None

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Governance

1. GC0133 Terms of Reference review

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Grid Code Development Forum and Workgroup Day(s)

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Grid Code Development Forum and Workgroup Day(s)

October Grid Code Development Forum and Workgroup Days

Workgroup Days – 06 - 07 October 2020

GCDF – 07 October 2020 – Meeting was cancelled

November Grid Code Development Forum and Workgroup Days

Workgroup Days – 03 - 04 November 2020

GCDF – 04 - 25 November 2020 – Draft agenda as follows:-

- TBC

Standing Items

- **Distribution Code Panel update** **(Alan Creighton)**
- **JESG Update** **(Kavita Patel)**

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JESG Update

Joint European Stakeholder Group meeting took place on 13 October 2020.

Update provided by Chris Wood, ELEXON

- Chris Wood provided updates on “FTA preparation; and Progress with TERRE and MARI”

Update provided by Claire Huxley and Bernie Dolan, National Grid ESO

- Claire Huxley provided update on “Dynamic Containment Update”
- Bernie Dolan provided update on “Interpretation of CEP Article 6 Update”

Update provided by BEIS and Ofgem

- BEIS and OFGEM update: end of the transition period

Link to presentation:
https://www.nationalgrideso.com/document/178071/download

Future agenda items suggested for as follows:

- Clarification on Competition & Markets Authority Role from BEIS

The next JESG meeting will be 10 November 2020 starting at 10am.

Updates on other industry codes

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Horizon Scan

(February, May, August, November)

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Forward Plan Update/Customer Journey)

- **Critical Friend Quarterly Update**

  Nisar Ahmed, Code Administrator

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Critical Friend Feedback

0 Grid Code Modification Proposals received from 1 August to 15 October inclusive

- Note there have been 2 CUSC Modification Proposals raised in the same period.

General areas of feedback (across all CUSC and Grid Code Modifications)

- Working with the Proposer well ahead of Modification Proposal Submission Date helps ensure the best outcome – following such discussions, the Proposer realised the impact on the ESO could be minimised by amending their original proposed timescales. Positive feedback received from Proposer on this process.
- From 1 October 2020, we have introduced new simpler Proposal Forms that remove repetition and include guidance for Proposers.

Feedback we will act on to further improve our service:

- Continue to have discussions with Proposers ahead of Modification Proposal Submission Date so clear on expectations, level of detail and process;
- Further internal workshops November and December for practical application of our checks (including EBGL) against the new proposal form
- Will seek and act on feedback from Proposers, who have used the new Proposal Forms.

Any thoughts from Panel so far?

- Are you seeing better quality Modification Proposals?
- Any further feedback?

AOB

1. **Elections update (JH)**

1. **General discussion on impacts of coronavirus outbreak on Grid Code**
   (ALL)

2. **2021 Panel dates**
   (NA)

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GCRP Elections 2020
Joseph Henry

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Elections Process 2020

- The Grid Code Review Panel elections take place every two years. This election was due to determine Panel membership for 2021 and 2022.

- Nominations were opened on 7 September 2020 and closed 9 October 2020. We have received the exact number of nominations for each seat to form a panel.

- As there was not a surplus number of nominations for each seat, the election process was not triggered, and the nominees put forwards will take the relevant seats from January 2021

- No alternate members were appointed as part of this election process as there was not a surplus in nominees. Panel members will be able to ask alternates to attend panel at their discretion, as per governance rules.

Elections Process 2020 – Panel Membership for 2021/22 – Generator Seats

Nominee	Company	Alternate
Alastair Frew	Drax	Not Appointed as part of process
Guy Nicholls	Statkraft	Not Appointed as part of process
Sigrid Bolik	ITP Energised	Not Appointed as part of process
John Harrower	SSE	Not appointed as part of process

Elections Process 2020 – Panel Membership for 2021/22 – Supplier Seat

Nominee	Company	Alternate
Robert Longden	Cornwall Insight	Not Appointed as part of process

Elections Process 2020 – Panel Membership for 2021/22 – Onshore TO

Nominee	Company	Alternate
Roddy Wilson	SHE Transmission	TBC (SPT)

Elections Process 2020 – Panel Membership for 2021/22 – Offshore TO

Nominee	Company	Alternate
Christopher Smith	National Grid Ventures	TBC

Elections Process 2020 – Panel Membership for 2021/22 – DNO

Nominee	Company	Alternate
Alan Crighton	Northern Powergrid	Graeme Vincent (SPT)
Steve Cox	ENW	Matt White (UKPN)

Elections Process 2020 – Panel Membership for 2021/22 – ESO

Nominee	Company	Alternate
Rob Wilson	ESO	Antony Johnson

Elections Process 2020 – Panel Membership for 2021/22 – Ofgem

Nominee	Company	Alternate
TBC	Ofgem	TBC

Next Steps

New Panel to be take roles in January 2021

- New Panel will be contacted and invited to observe December's Panel Meeting
- Ofgem to receive Election report in December 2020
- Panel expectation session to be held January 2021

Grid Code Review Panel Dates 2021

Grid Code	Panel Dates	Papers Day	Modification SubmissionDate	Grid Code Development Forum
January	25	15	8	6
February	25	17	10	3
March	25	17	10	3
April	29	21	14	7
May	27	19	12	5
June	24	16	9	2
July	29	21	14	7
August	26	18	11	4
September	30	22	15	7
October	27	19	12	5
November	25	17	10	3
December	16	8	1	24/11

Next Panel Meeting

10am on 26 November 2020 via Microsoft Teams

Papers Day – 18 November 2020

Modification Proposals to be submitted by 11 November 2020

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Close

Trisha McAuley

Independent Chair, GCRP

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