

Grid Code Review Panel

15 December 2022

Grid Code Review Panel Minutes

Date: 15/12/2022	Location: Microsoft Teams
Start: 10:00 AM	End: 11:30 AM

Participants

Attendee	Initials	Representing
Trisha McAuley	TM	Independent Panel Chair
Milly Lewis	ML	Code Administrator Representative
Shazia Akhtar	SA	Panel Technical Secretary, Code Administrator
Alan Creighton	AC	Panel Member, Network Operator Representative
Alastair Frew	AF	Panel Member, Generator Representative
Christopher Smith	CS	Panel Member, Offshore Transmission Operator Representative
Graeme Vincent	GV	Alternate, Network Operator Representative
Gurpal Singh	GS	Authority Representative
Guy Nicholson	GN	Panel Member, Generator Representative
Jamie Webb	JW	Panel Member, National Grid ESO
John Harrower	JH	Panel Member, Generator Representative
Nadir Hafeez	NH	Authority Representative
Rashmi Radhakrishnan	RR	Panel Member, BSC Representative
Robert Longden	RL	Panel Member, Supplier Representative
Roddy Wilson	RW	Panel Member, Onshore Transmission Operator Representative
Sigrid Bolik	SB	Panel Member, Generator Representative

Apologies

Attendee	Initials	Representing
Steve Cox	SC	Panel Member, Network Operator Representative

Presenters / Observers

Attendee	Initials	
Darshak Shah	DS	Observer
Haarith Dhorat	HD	National Grid ESO (Presenting: Update to the Electrical Standards)
Steve Elliott	SE	Observer

1. Introductions and Apologies

9284. Apologies were received from Steve Cox.

9285. The Chair reminded Panel Members of the requirement for impartiality and of declaring potential or perceived conflicts of interest. No declarations were received from Panel Members.

2. Minutes from previous meetings

9286. The minutes from the Special Grid Code Review Panel held on 22 November 2022 were approved, along with the minutes for the Grid Code Review Panel held on 24 November 2022 (subject to the incorporation of minor amendments requested by AC).

3. Review of actions log

9287. The Panel agreed to close Action **431**.

4. Chair's update

9288. There were no Chair updates.

5. Authority Decisions

9289. GS advised that Ofgem have approved [GC0160](#) and it was implemented on the 7 December 2022. [GC0141](#) (WAGCM 14) was also approved and it will be implemented on the 5 January 2023. GS stated that [GC0141](#) had been a very substantial project and thanked everyone for all of their hard work developing the modification and its 14 WAGCMs, which resulted in the Authority issuing its longest ever decision letter, of 17 pages. GS also explained that the [GC0148](#) decision letter would be published in the new year once Ofgem's publishing moratoriums come to an end.

6. New Modifications

9290. No new modifications proposals were presented to the Panel.

7. In flight modification updates

9291. ML talked the Panel through the progression of the in-flight modifications. The modification tracker can be found within the Grid Code Review Panel papers pack on the National Grid ESO website via the following link:

<https://www.nationalgrideso.com/document/272886/download>

[GC0117: Improving transparency and consistency of access arrangements across GB by the creation of a pan-GB commonality of Power Stations requirements](#)

9292. ML advised that the Workgroup met on the 8 December 2022 to discuss the content of the Cost Benefit Analysis (CBA), and it was agreed that an Industry-wide CBA would be carried out based on the data and assumptions held by the ESO.
9293. JW questioned whether the Proposer of [GC0117](#) had also agreed to this, given that the Proposer had been unable to attend the meeting.
9294. ML explained that the Workgroup Chair, Ruth Roberts, was currently in discussion with the Proposer in regard to this.
9295. GV highlighted that no Network Operators had been present at the Workgroup meeting, so they too were also having discussions with the Workgroup Chair on this issue.
9296. JW stated that he was happy to have any further discussions that were needed on the CBA offline.

[GC0156: Facilitating the Implementation of the Electricity System Restoration Standard](#)

9297. ML advised that 26 people attended the [GC0156](#) Workgroup Consultation Webinar which was held on the 7 December 2022 and that a recording of this was available on the [ESO website](#).

8. Prioritisation Stack / Dashboard

[GC0103: The introduction of harmonised Applicable Electrical Standards in GB to ensure compliance with the EU Connection Codes](#)

9298. ML explained that Code Admin and the ESO were currently in discussion with the Proposer of [GC0103](#) on why the modification had been halted and how it could be progressed. A further update will be provided on this at the January 2023 Panel.
9299. JW advised that the scope of the original modification had been very broad and that a lot of the issues raised within [GC0103](#) back in 2017 had now been addressed or were in the process of being addressed, for example via the CATO modification and by other modifications. Therefore, the ESO has asked the Proposer to consider what particular elements were still outstanding and whether they wish to alter [GC0103](#) to focus on those areas, or raise a new modification.
9300. RW suggested that discussions on a possible CBA may also be required.
9301. The Chair highlighted that the former Panel member Richard Woodward had previously proposed that a CBA be undertaken, but the Proposer had declined to take this forward. The Chair agreed that it would be useful to understand the Proposer's current view on this.
9302. JW agreed to raise this matter as part of the ESO's ongoing discussions with the Proposer.

[GC0140: Grid Code Sandbox: enabling derogation from certain obligations to support small-scale trials of innovative propositions](#)

9303. ML explained that, in relation to [GC0140](#), which has also been positioned at the bottom of the stack for quite a while, the ESO are currently in discussion on whether this should continue as a modification or whether it should be incorporated into "Project Reveal". A further update will be provided at the January 2023 Panel.
9304. GN questioned where they could find further information on "Project Reveal".
9305. JW advised that there was currently no information on this in the public domain as the ESO were still considering whether this was something that they definitely wanted to do and whether now was the right time to do it. JW explained that fundamentally it would look at creating a shadow balancing mechanism, where things could be tested in a non-live environment to see if they actually worked, which is an example of the innovations that [GC0140](#) is trying to facilitate. If the ESO decided to go ahead with 'Project Reveal', then further information on this would be provided to the Panel in due course.

9306. The Chair welcomed the work that was being done on the modifications at the bottom of the stack.

9307. The Panel reviewed the prioritisation stack and agreed that no changes were required.

9308. The prioritisation stack can be found via the following link:

<https://www.nationalgrideso.com/document/273561/download>

9. Workgroup Reports

9309. There were no Workgroup Reports presented to the Panel.

10. Draft Final Modification Reports

9310. There were no Draft Final Modification Reports presented to the Panel.

11. Reports to Authority

9311. There were no updates for the Panel.

12. Implementation updates

9312. There were no updates for the Panel.

13. Governance

9313. There were no updates for the Panel.

14. Grid Code Development Forum (GCDF)

9314. JW advised that the next GCDF would be taking place on the 11 January 2023. The deadline for agenda items was 4 January 2023 and there was currently only one item on the agenda:

- *Clarify the current Grid Code interpretation of MZT (Minimum Zero Time) and MNZT (Minimum Non-Zero Time) for bi-directional storage units.*

9315. GN and RL stated that more work needed to be done to make Industry aware of the outcome of modifications such as [GC0141](#) and questioned whether GCDF could be used as an opportunity to do this.

9316. GN advised adding “recent code modifications” onto GCDF as a standard agenda item. This could then be used to provide the background on modifications, the options that were considered, Ofgem’s decision and what those obligations meant for parties. GN also highlighted that as the meetings were recorded, this would allow parties the ability to access this information at any time in the future, which would be much easier than reading through pages of legal text.

9317. JW agreed that there was a gap across the codes in relation to this and offered to use [GC0141](#) to test how they could communicate this to Industry, at the next forum.

9318. AC suggested that more detail could also be added to the Grid Code Modification pages on the website, as these were enduring pages that were easily accessible to the public.

15. Standing Groups

Distribution Code Review Panel Update

9319. AC advised that the last meeting was held on the 1 December 2022, where the Panel discussed:

- The Accelerated Loss of Mains Change Programme;
- The application of OC6 (in respect to energy concerns);

- Engineering Recommendation P28 (which is referenced within the Grid Code and hence any changes to it may have implications for the Grid Code).

9320. AC also highlighted that the following Distribution Code Consultation was now open: [DCRP/22/02/PC - Electricity System Restoration Standard - Distributed ReStart](#). AC explained that this mirrored the Grid Code Modification [GC0156](#), but from a distribution perspective.

Joint European Stakeholder Group (JESG)

9321. ML advised that the last meeting was held on 13 December 2022 and that the next meeting will take place on 24 January 2023. The papers and presentations for the last meeting can be found via the following link: [JESG Meeting - 13 December 2022 | National Grid ESO](#)

16. Updates on other Industry Codes

9322. ML advised that, as [GC0160](#) and [P448](#) were the first joint Code Admin and Elexon Workgroups for a very long time, they will be holding a review session together to discuss what went well and areas of improvement. ML explained that they were taking this proactive approach ahead of another joint BSC/Grid Code modification being raised and welcomed any feedback that Panel Members had on the joint Workgroups.

9323. RR explained that there was an Issue 100 Group which was looking at very similar changes to the BSC as [GC0156](#). RR stated that it would be good to understand how the changes in [GC0156](#), would align to the BSC changes.

17. Challenges to Modification progress

9324. There were no updates at this Panel meeting.

18. Horizon Scan

9325. There were no updates at this Panel meeting.

19. Electrical Standards

9326. ML reminded the Panel of the process to make changes to the Electrical Standards. ML stated that as the ESO had chosen to bring the change to the Grid Code Panel. A 20 Working Day consultation period for Panel members would start after the December Panel meeting and this would give Panel members a further period of time to provide any comments or objections to the proposed changes. If any objections or concerns were raised, then this will be brought back to the next Panel in January 2023 for further discussion. If the Panel cannot then reach a consensus on the issues raised, then this may need to go through a Workgroup and a further consultation period. But, if no objections or concerns are articulated, then the proposed changes will be implemented.

9327. HD went on to present some slides to explain the background behind the changes, what actual changes/updates were required, why they were needed, and that the implementation (subject to IT confirmation and Panel approval) would be taking place in May 2023.

9328. HD and JW highlighted that only the Electrical Standard (EDL Instruction Interface document), required a 20 Working Day Panel consultation. But the ESO would still welcome any feedback the Panel had on the BETTA - Despatch Instruction Guide.

9329. GN questioned how current live units were being notified.

9330. HD explained that this was currently a manual process and that the control room would either email or call to confirm the date and time that generators were armed or disarmed, as well as

sharing this information manually with the settlements team, who would deal with the billing and payment side of things.

9331. RL stated that, in terms of transparency of information, did the ESO have notifications for wider system users which may be affected by “inter-trips?”
9332. HD explained that the ESO were currently looking at how they could publish/reflect real time information on their data portal about the usage of the inter-trip service.
9333. HD also confirmed that this change would not amend how the control room decides which generator should be tripped or be subjected to constraints. That would all remain the same.
9334. The Chair questioned whether a 20 Working Day Panel consultation period over Christmas and New Year would be sufficient, or whether a longer period would be required.
9335. ML highlighted that the 20 Working Days would end on the 17 January 2023, which would be just in time for the January Grid Code Panel Papers, which are scheduled to be published on the 18 January 2023.
9336. RL and RD stated that, as the change did not appear to be time critical, a longer consultation period over Christmas would be beneficial. RD also highlighted that, as the new Panel would be taking office in January 2023, some additional time to provide a hand over would be valuable.
9337. The Chair questioned the implications of the end of the current Panel’s business on the 31 December 2022, and if the retiring Panel members would be able to respond to the consultation which ran into the new Panel term.
9338. GN advised that, as one of the retiring Panel members, he believed that this issue should only be considered as part of the current Panel’s business, as it has been presented to them and not the new Panel, regardless of whether the consultation period closes in the New Year.
9339. RD, AF, RL and GV supported GN’s view that this should be dealt with by the current Panel.
9340. AF stated that the Panel had already had a week to review the documents which included minor non-contentious changes and that he was happy with what was being proposed.
9341. GV highlighted that the consultation was for changes to two lines within the EDL Instruction Interface document. Therefore, a longer timeframe was not required.
9342. JH also agreed to a shorter timescale.
9343. The Chair concluded that the current Panel had agreed to approve, in principle, the proposed changes and that a longer period was not required from the perspective of those present.
9344. ML advised and confirmed that the formal consultation, which remained a code requirement, would be opened after the Panel meeting.
9345. AF, GV and AC raised a concern in relation to the RES Electrical Standards. AF stated that, during the [GC0156](#) webinar, it was highlighted that the National Grid ESO website and the very first document on the website both stated that the RES documents only applied in England and Wales. The Proposer (ESO) then corrected them and stated that they applied everywhere.
9346. GV advised that this should not just be replaced with “they apply in GB”, as there are historic reasons as to how these have come about and none of the TOs were party to their creation during the BETTA days.
9347. GV also highlighted that, during the [GC0156](#) webinar, it was mentioned that the Distributed Restart Controller document should only apply to NGET, but GV felt that this should be an ESO document and cover all of GB.
9348. AC explained that the Grid Code states that the Relevant Electrical Standards only apply to NGET but that in the General Conditions, there is another category of documents called Electronic Data Communications Facilities, which are applicable to all transmission areas and

could cover this document instead. But, if the Distributed Restart Controller document is not an Electronic Data Communication Facility, this may not be appropriate.

9349. AC also questioned whether the Control Telephony Standard was correctly labelled as a RES document on the ESO website and only applicable to NGET.

9350. JW agreed to take this feedback away as an action, to review, and sense check the RES documents and wording on the National Grid ESO website, as well as in which Transmission areas the Distributed Restart Controller document should apply. **Action 432.**

20. Code Administrator Update

9351. There were no updates at this Panel meeting.

21. Any Other Business (AOB)

Panel Biographies:

9352. ML shared an example of a Panel member biography with the Panel and asked those Panel members who had not already submitted one to send theirs across to Code Admin by 16 December 2022 or to let Code Admin know that they were not intending to provide this.

9353. SB questioned whether there was another template that they could use without any ESO branding.

9354. ML explained that Panel members were welcome to remove any ESO branding from the template and replace it with their own organisation's branding or to leave it blank. Code Admin would also remove any branding before publishing the final biographies.

Post Panel Note: A blank template without any branding was circulated on the 6 January 2023 to the remaining Panel members who had not yet supplied their biographies.

Energy Codes Review:

9355. GS advised that Ofgem published their [Energy Codes Reform Call for Input](#) on the 14 December 2022 and that it would close on the 1 February 2023. This included a Cornwell Insight report outlining six different options, ranging from minimal reform to total overhaul of the system and creating one unified code.

End Of 2022/2023 GCRP Panel:

9356. The Chair stated that this was the end of the current Grid Code Review Panel's term in office and that the new Panel would take up office from January 2023. The Chair thanked the two retiring Panel members (RW and GN) for their very significant and valuable contributions on the Panel. The Chair stated that RW's significant expertise and constructive input had been really valued by the Panel and would be extremely missed. The Chair stated that GN had made an immense contribution to the Panel and its work over a period of several years. GN had brought a unique expertise and perspective to the Panel and would leave very large shoes to fill. The Chair stated that they had enjoyed working with them both, thanked them for their contribution on the Panel and wished them both the very best of luck in the future.

22. Close

9357. The Chair wished everyone a happy Christmas and New Year and brought the meeting to a close.

The next Grid Code Review Panel meeting will be held on 26 January 2023 at Faraday House, Warwick.

New Modification Proposals are to be submitted by 11 January 2023.

Grid Code Review Panel Papers Day is 18 January 2023.