

<b>Day After Report</b>		<b>Subject:</b>	<b>Grid Code Review Panel</b>
		<b>Author:</b>	<b>Graeme Vincent</b>
		<b>Date:</b>	<b>30 May 2019</b>

All

Below is my DAR from the Grid Code Review Panel meeting. Key points to note include:

- GC0111 - Fast Fault Current Injection specification text Panel unanimously recommended that the Original should be implemented. The Final Modification Report will be circulated and uploaded w/c 3 June and Appeal window opened.
- GC0124 – Extension of Critical Friend review period for submission of new modifications. The Panel by majority recommended that the Original should be implemented. The Final Modification Report will be circulated and uploaded w/c 3 June and Appeal window opened.
- GC0127/128 first workgroup meeting held but there may be implications for DNOs (LFDD relay testing periodicity and net demand assessment) and energy storage facilities

Regards Graeme

<b>Attendees:</b>		<b>Apologies:</b>	
<b>Panel Members</b>		<b>Panel Members</b>	
Trisha McAuley	Code Admin Chair	Colm Murphy	NGESO
Paul Mullen	NGESO Code Admin	Steve Cox	DNO
Matthew Bent	NGESO Code Admin (alternate)	Alan Creighton	DNO
Greg Heavens	NGESO (Observer)	Emma Hart	NGESO Secretary
Gurpal Singh	Ofgem	Rob Wilson	NGESO (Alternate)
Nadir Hafeez	Ofgem (Observer)	Ross McGhin	NGET TO (Onshore)
Graeme Vincent	DNO (Alternate)		
Alastair Frew	Generator (Drax)		
Joe Underwood	Generator (Energy UK)		
Damian Jackman	Generator SSE		
Guy Nicholson	Generator (Statkraft)		
Rob Longden	Supplier		
Richard Woodward	NGET TO (Onshore TO)[alternate]		
Chris Smith	NG New Ventures (OFTO)		
Jeremy Caplin	BSC Elexon		

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<b>Issue</b>	<b>Paper No:</b>	<b>Summary</b>
<b>1 Welcomes</b>		<ul style="list-style-type: none"> <li>•</li> </ul>
<b>2&amp;3 Minutes &amp; Action log</b>		<ul style="list-style-type: none"> <li>• Minutes agreed with additions from AF.</li> <li>• 213 MB to circulate Governance Rule GR.22.4 around the Panel. Action is ongoing and will be circulated during June 2019</li> <li>• 214 To raise a modification to resolve all housekeeping. It was proposed to submit this in June GCRP but due to priority on E&amp;R Code modifications planning to delay this till the July panel meeting.</li> <li>• 219 Update on the deferred action. On agenda and now included within the forward plan.</li> <li>• 220 Update on the deferred action. Ongoing</li> <li>• 222 GH to develop the timeline and report back to the Panel with when the IT system changes will be implemented re GC0126 WG meeting. Still awaiting confirmation of timescales from internal project team.</li> <li>• 223 GH as independent chair to consider which parties are impacted by the modification re GC0103. GH has a new role in the TO, so MB proposes to be chair and see if there needs to be an independent technical chair (from SO). RW to be the ESO member. Working group okay with arrangements and action will be closed. (NB: query over applicability of this mod to OFTOs)</li> <li>• 231 GC0127 - RWS to explore whether a Distribution Code modification is required and whether or not all energy storage users are affected or it is just SGUs. To close as issue now being taken up within the working group.</li> <li>• 232 GC0127 - RWS to update the front page of the modification form to provide further clarity in relation to affected users including whether all storage users are affected or just SGUs. Ongoing</li> <li>• 233 GC0127 - Code Administrator to ensure that the correct impacted parties are contacted as part of email request for Nominations and invited to join the Workgroup. To close – targeted invitation issued. Though still concerns in relation to DNO representation</li> <li>• 234 GC0127 - RWS to assess whether there are any Distribution Code overlaps to ensure cross code impacts are highlighted and a pragmatic solution is found. To close – included within the working groups ToR.</li> <li>• 235 GC0127 - RWS to consider whether a consequential CUSC modification will be required in relation to the System Defence Plan. Ongoing – will be covered as part of the code mapping exercise.</li> <li>• 236 - RWS agreed to clarify whether Article 48 is being dealt with elsewhere after reviewing the code mapping. NGESO had proposed to close as was considered to be included within the Phase 2 mods. However, Panel requested that action remain open as WG consider Art 48 needs to be progressed sooner.</li> <li>• 237 Code Administrator to check whether alternates can vote in place of the Workgroup member e.g. in the event a Workgroup member becomes ill. NGESO proposed to close – view provided was that Alternate would be allowed to</li> </ul>

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		<p>vote had they attended at least 50% of the meetings. This did not sound a satisfactory solution and NGESO were asked to recheck. Post meeting note: NGESO confirmed that as long as between the nominated party and the nominated alternate, they had attended 50% of workgroup meetings, either 1 of these parties could vote.</p> <ul style="list-style-type: none"> <li>• 238 Code Administrator to circulate the GC0096 legal text to the Workgroup for a period of 5 working days. Subject to no objections being received, GC0096 should proceed to Code Administrator Consultation. In the event that an objection is received, GC0096 will be brought back to the Panel on 30 May Panel. . Closed as Code Admin consultation issued 10 May 2019.</li> <li>• 239 CS to send GC0096 scenario and RW to respond on behalf of ESO. To close RW has responded but this has raised a number of other concerns will be dealt with outwith the GCRP.</li> <li>• 240 AC to circulate the email with his suggested changes to the communications standards document around the Panel. Complete. Email circulated and updated document circulated to Panel. If no appeal raised by 5pm on 14 June then our website will be updated and a verbal update provided at June Panel.</li> <li>• 241 Code Administrator to review and update Horizon Scan ready for next Panel meeting. On agenda to be closed.</li> <li>• 242 Code Administrator to add to the agenda an update on the Operability Forum. Will be included in a future panel meeting.</li> <li>• 243 The Panel to review the Plan on a Page spreadsheet and provide any comments or feedback on this to JH through the Grid Code or CUSC email addresses. JH to attend next Panel meeting to confirm preferred option and next steps. Ongoing - Linear model will be worked up and Joe Cunningham will present to June Panel</li> </ul>
<b>4 Chairman's Update</b>		<ul style="list-style-type: none"> <li>• None</li> </ul>
<b>5 Authority Decisions</b>		<ul style="list-style-type: none"> <li>• Authority decisions had been made on the following mods on 9 May 2019. <ul style="list-style-type: none"> <li>○ GC0114: System Operation Guideline: Prequalification Processes <ul style="list-style-type: none"> <li>▪ Project TERRE still on track form go live at end of the year. NGESO has an action to provide additional information on other products which need to follow the prequalification route. NGESO indicated that this would shortly be presented to Ofgem.</li> </ul> </li> <li>○ GC0118: Modification to the Grid Code to accommodate the recent Distribution Code modification to Engineering Recommendation P28 – Voltage fluctuations and the connection of disturbing equipment to transmission systems and distribution networks in the UK</li> </ul> </li> </ul>
<b>6 New Modifications</b>		<ul style="list-style-type: none"> <li>• <b>GC0129: Updating references to Engineering Recommendation G5.</b></li> </ul> <p><b>Defect:</b> Engineering Recommendation G5 defines planning levels and compatibility levels for the assessment of voltage</p>

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		<p>distortion from User's equipment and installations with harmonic emission to be connected to transmission systems and distribution networks in the United Kingdom. The Distribution Code Review Panel (DCRP) has recently held a consultation to update Engineering Recommendation G5 to issue 5</p> <p><b>Proposed Solution:</b> It is proposed to update the references within the Grid Code to refer to Engineering Recommendation G5, and move the issue number G5/5 to a line in the Glossary and Definitions.</p> <p>Although a Timeline had been provided within the panel papers, this was before NGESO were aware that the DCRP working group would be reconvened to address comments arising from their recent consultation. Therefore any new timeline would take into consideration the DCRP timescales.</p> <p>GN raised concerns about launching a consultation prior to the document being finalised and RW raised concerns that proceeding down the standard governance route was a more complex and inefficient route as the change was effectively a housekeeping modification.</p> <p>The Panel voted unanimously that GC0129 did not meet the Self Governance criteria and agreed the modification should proceed via the Standard Governance route and proceed to Code Administrator Consultation once the G5/5 document is finalised.</p>
<b>7 In Flight Modifications</b>		
<b>7 'Blockers' on modification progression.</b>		<ul style="list-style-type: none"> <li>Brief overview given the agreed quarterly review period. Significant number of working groups suffering from 'quoracy' or availability of work group members. This is an increasing trend.</li> </ul>
<b>7 GC0103 Harmonisation of standards</b>		<ul style="list-style-type: none"> <li>The proposers preferred solution was for the Scottish TOs to adopt the E&amp;W (NGET) RES and highlight any justifiable variations. But the proposer has had a change of mind and prefers the SP RES format as the starting point as they refer to the IEC standards</li> <li>WG met 10 May, still significant work involved and some concerns about proposed solution still exist.</li> <li>Will not meet WG report due date of 30 July 2019. Updated timeline will be provided following next workgroup meeting.</li> </ul>
<b>7 GC0105 Incident Reporting</b>		<ul style="list-style-type: none"> <li>Seeking a suitable date for workgroup vote, though panel struggling with availability.</li> <li>Further two month extension to delivery of work group report agreed, now planned for 29 August 2019.</li> </ul>
<b>7 GC0107/0113 DCC/ RfG</b>		<ul style="list-style-type: none"> <li>WG last met 13 May.</li> </ul>

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<b>Transparency</b>		<ul style="list-style-type: none"> <li>Workgroup report will not meet 27 June 2019 due date and an extension will be requested following next workgroup meeting (13 June 2019)</li> </ul>
<b>7 GC0109 The open, transparent, non-discriminatory and timely publication of the various GB Electricity Warnings or Notices</b>		<ul style="list-style-type: none"> <li>Last meeting held 10 May 2019.</li> <li>WG on track to deliver workgroup report on 29 August 2019.</li> </ul>
<b>7 GC0117 Improving transparency and consistency of access arrangements across GB by the creation of a pan-GB commonality of PGM requirements</b>		<ul style="list-style-type: none"> <li>Initial impact assessment complete and presented to Feb GCRP</li> <li>WG report will not be delivered as planned on 30 July – revised timeline to be agreed following next workgroup meeting</li> <li>Next work group meeting on 11 July 2017 – ENA Open Networks representative now on board.</li> </ul>
<b>7 GC0123: Clarifying references to NGET and Relevant Transmission Licensees</b>		<ul style="list-style-type: none"> <li>The need for this was identified at the 14/3/19 special meeting.</li> <li>Links to GC0120, GC0122.</li> <li>Following the approval of GC0122 by the Panel as fast-track self-governance in March 2019, this modification is being raised to clarify to users that certain functions performed by NGET are also performed by the Relevant Transmission Licensees and also to make other minor corrections indicated by the Panel</li> <li>After second round of nominations working group still did not meet minimum quoracy. Following further targeted intervention group is now quorate and will meet on 12 June 2019.</li> </ul>
<b>7 GC0125: EU Code Emergency &amp; Restoration: Black Start testing requirements for Interconnectors</b>		<ul style="list-style-type: none"> <li>This modification seeks to align the Grid Code with the European Emergency and Restoration Code, specifically in relation to Black Start testing for Interconnectors</li> <li>WG met on 9 May</li> <li>Workgroup report now due 29 August (not 30 July)</li> <li>Concerns have been raised in relation to multiple members of the workgroup belonging (ultimately) to the same legal entity.</li> </ul>
<b>7 GC0126: Implementing Profiled Stable Import and</b>		<ul style="list-style-type: none"> <li>This modification aims to progress the Profiled Stable Import and Export Limits identified in the Cost Benefit Analysis carried out on BSC P297 and GC0068, over 5 years ago.</li> </ul>

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<b>Export Limits, and reversing unimplemented aspects of GC0068</b>		<ul style="list-style-type: none"> <li>Some parts of GC0068 were implemented, but others were not, pending full implementation of EBS. The EBS didn't deliver the means for generators to submit SEL/SIL – Stable Export / Import Limit – information. Full implementation of EBS currently on hold.</li> <li>Need to make sure that the new IT system is capable of receiving the SEL/SIL information – alignment of the timing between the GCode obligation and the means of submitting it.</li> <li>Not a DNO issue</li> <li>Only 2 nominations have been received (proposer + 1). NGESO to raise with Ofgem how to move this forward given the lack of industry participation. Separately Code Admin will seek further avenues and will liaise with Energy UK to seek further interested parties...</li> </ul>
<b>7 GC0127 EU Code Emergency &amp; Restoration: Requirements resulting from System Defence Plan</b>		<ul style="list-style-type: none"> <li>GC0127 modification seeks to align the GB Grid Code with the European Emergency and Restoration code, specifically in relation to requirements on Grid Code parties set out in the System Defence Plan that need to be implemented by 18 December 2019</li> <li>First meeting held 29 May 2019.</li> <li>NGESO to seek legal view on applicability to storage. May apply to <b>all</b> storage and not just subset.</li> <li>Implications for DNOs in relation to LFDD relay testing and net demand assessment.</li> <li>One month extension to work group report submission sought and granted, now due 29 August 2019</li> <li>Ofgem requested to be involved in code mapping exercise</li> <li>Next meetings scheduled for 13 June and 2&amp;3 July 2019.</li> </ul>
<b>7 GC0128 EU Code Emergency &amp; Restoration: Requirements resulting from System Restoration Plan</b>		<ul style="list-style-type: none"> <li>GC0128 modification seeks to align the GB Grid Code with the European Emergency and Restoration code, specifically in relation to requirements on Grid Code parties set out in the System Restoration Plan (SRP) that need to be implemented by 18 December 2019</li> <li>First meeting held 29 May 2019.</li> <li>One month extension to work group report submission sought and granted, now due 29 August 2019</li> <li>Ofgem requested to be involved in code mapping exercise</li> <li>Next meetings scheduled for 13 June and 2&amp;3 July 2019.</li> </ul>
<b>8 Prioritisation Stack</b>		<ul style="list-style-type: none"> <li>Existing prioritisation still considered appropriate.</li> <li>GC0129 will not be added due to it proposed governance route (i.e. no workgroup)</li> </ul>
<b>9 Draft Final Modification Reports</b>		

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<b>9 GC0111: Fast Fault Current Injection specification text</b>	GC0111	<ul style="list-style-type: none"> <li>To update the Grid Code and G99 with revised text for fast fault current injection to dispel any confusion in interpretation of the existing text</li> <li>Panel unanimously recommended that the Original should be implemented. The Final Modification Report will be circulated and uploaded w/c 3 June and Appeal window opened.</li> </ul>
<b>9 GC0124: Critical Friend review period for submission of new modifications</b>	GC0124	<ul style="list-style-type: none"> <li>This modification seeks to codify a requirement for new modifications to be submitted to the National Grid ESO Code Administrator for a period of five working days ahead of when the modification is to be submitted to the Grid Code Panel. This period will allow the Code Administrator to deliver a better service and in turn allow all network users to better understand code modifications.</li> <li>Concerns raised by Flexible generation Group that proposals introduced a further barrier by increasing time period by a further 5 days</li> <li>ESO has now undertook to <ul style="list-style-type: none"> <li>Email to industry following the deadline day detailing details of all of the modifications submitted to them (Modification number and title) and</li> <li>Copy of all modifications received by the deadline to be submitted to the Panel Chair</li> <li>Both these steps being undertaken the morning (by 10am) following the 5pm deadline</li> </ul> </li> <li>The Panel Members by majority recommended that the Original should be implemented. The Final Modification Report will be circulated and uploaded w/c 3 June and Appeal window opened.</li> </ul>
<b>10 Report to the Authority</b>		<ul style="list-style-type: none"> <li>None</li> </ul>
<b>11 Implementation Updates</b>		<ul style="list-style-type: none"> <li>The following Modifications were implemented into the Grid Code on 23 May 2019. <ul style="list-style-type: none"> <li>GC0114 and GC0118</li> </ul> </li> </ul> <p>In future if two (or more) mods are implemented on the same day there will be only one GCode update made (GC0118 was implemented as GCode Issue 5 Revision 34 on 23/05 am and GC0114 was implemented as Issue 5 Revision 35 on 23/05 pm)</p>
<b>12 Electrical Standards</b>		<ul style="list-style-type: none"> <li>Communication Standards: The updated document has been circulated and is presently out for it 20 day review.</li> </ul>
<b>13 Governance</b>		<ul style="list-style-type: none"> <li><b>Working Group outputs</b> – NGESO committed to “Getting the Basics Right” will from 1 June produce a summary of workgroup outputs and action log within 5 days of the workgroup meeting</li> <li><b>Workgroup Quoracy</b> – with the increasing level of work group meetings not being quorate on the day of the</li> </ul>

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		<p>meeting, the Code Admin team provided their position</p> <ul style="list-style-type: none"> <li>○ 5 workgroup members are required to set up a workgroup meeting</li> <li>○ In extenuating circumstances resulting in a workgroup member cancelling attendance on the day of meeting (or a no-show) we will facilitate with less than five workgroup members; however this facilitation is in the form of an informal meeting intended to progress discussion where possible.</li> <li>○ All discussions from this “informal meeting” need to be reviewed at the next quorate meeting.</li> <li>○ Additional key decisions such as voting can’t be made at an informal meeting.</li> </ul> <p>It was suggested that should the meeting become not quorate more than 24 hours before the meeting, then Code Admin would cancel the meeting. A number of panel members raised concerns with this and the fact that travel costs would not be recoverable so it would be better for meetings to progress even on an informal basis. Code admin would like to minimise the number of informal meetings so <b>if a quoracy issue is known about more than 3 weeks from date of meeting then it would be cancelled.</b> The 3 week window being selected due to some stakeholders having a 10day authorisation requirements when booking travel.</p> <p><b>Workgroup chairs would remind workgroup members of their obligation to attend meetings and to arrange an alternate should this not be possible.</b></p> <ul style="list-style-type: none"> <li>• <b>Modification Impacts:</b> Greater clarity on impacts to stakeholders was requested for modifications. It was thought that if stakeholders were aware of the ‘cost’ to their business that they may be more willing to get involved in the workgroups. A starting point would be to introduce a more qualitative assessment of the impacts in to the modification proposals and the Code Admin would assist with this.</li> </ul>
14 GCDF		<ul style="list-style-type: none"> <li>• GCDF 12 June</li> <li>• GC0123 12 June</li> <li>• GC0127/8 13 June</li> </ul>
15 Standing Updates		<ul style="list-style-type: none"> <li>• DCRP Headline report to be provided following the DCRP meeting on 11 April.</li> </ul>
16 Horizon Planning		<ul style="list-style-type: none"> <li>• E&amp;R Phase 2 mods have been reflected into plan</li> </ul>
18 CaCOP		<ul style="list-style-type: none"> <li>• Central Modification Register and Horizon Scan are currently being reviewed ensuring that they are both fit for purpose.</li> <li>• Forward Work Plan had been agreed at meeting on 29 May and will be shared with industry shortly</li> <li>• Code Administrators are carrying out a self-audit against the 14 CACoP Principles, the results will allow best practice</li> </ul>



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		<p>to be shared amongst code administrators.</p> <ul style="list-style-type: none"> <li>Industry Newsletter was due to be send out by end May 2019 and there is to be a CACoP face to face engagement event in July.</li> </ul>
<b>19 Forward Plan Update (Customer Journey)</b>		<ul style="list-style-type: none"> <li>It was noted that the Code Admin would be undertaking a short survey via email and panel members were requested to forward to colleagues to allow the widest possible participation as possible.</li> <li><b>Link to survey:-</b> <a href="#">Code Administrator Survey</a></li> <li>Code Admin are also reviewing the use of webinars to try to make them more interactive and allow stakeholders to ask questions rather than just be in 'receive' mode.</li> </ul>
<b>20 AOB</b>		<ul style="list-style-type: none"> <li>Energy Codes Review – to be added as an agenda item once Ofgem have published their consultation which is due over the summer period.</li> </ul>
<b>22 Meeting dates</b>		<ul style="list-style-type: none"> <li>27 June 2019</li> <li>30 July 2019 - London</li> <li>29 August 2019</li> <li>26 September 2019</li> <li>24 October 2019 - Glasgow</li> <li>28 November 2019</li> <li>19 December 2019</li> </ul>