

Grid Code Review Panel Meeting

Minutes and Actions Arising from Meeting No. 35 Held on 5th February 2009 at the National Grid House, Warwick

Present:

David Smith	DS	Panel Chairman
Richard Dunn	RD	Panel Secretary

National Grid

Nasser Tleis	NT	Member
Brian Taylor	BT	Member (via teleconference)
Bec Thornton	BHT	Member
Lilian MacLeod	LM	Member

Generators with Large Power Stations with total Reg. Cap.> 3GW

John Morris	JM	Member
John Norbury	JN	Alternate Member (via teleconference)
Campbell McDonald	CMc	Alternate Member
Claire Maxim	CM	Member (via teleconference)
Jim Barrett	JB	Alternate Member

Generators with Large Power Stations with total Reg. Cap.< 3GW

None

Generators with Small and Medium Power Stations Only

Barbara Vest	BV	Member
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Network Operators in England and Wales

Alan Creighton	AC	Member (via teleconference)
Mike Kay	MK	Member

Network Operators in Scotland

Dave Carson	DC	Member (via teleconference)
Neil Sandison	NS	Alternate Member

Relevant Transmission Licensees

Alan Michie	AM	Member
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Generators with Novel Units

Guy Nicholson	GN	Member
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Ofgem Representative

None

Non Embedded Customers

Alan Barlow	AB	Member (via teleconference)
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BSC Panel Representative

John Lucas	JL	Member (via teleconference)
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By Invitation

Emma Carr	EC	National Grid - items 7, 14 & 15
Carole Hook	CH	National Grid – item 20

1. Introductions/Apologies for Absence

1099. Apologies for absence were received from Yvonne Ryan (Generators with Large Power Stations with total Reg. Cap.> 3GW), David Ward (Generators with Large Power Stations with total Reg. Cap.< 3GW), Chandra Trikha (Relevant Transmission Licensees), Bridget Morgan (Ofgem) and Jean Pompee (EISO).

2. Grid Code Review Panel Membership (pp09/01)

1100. The Panel were informed that in accordance with clause 5.5 of the Grid Code Constitution and Rules, the members of the previous Panel resigned and a new panel reappointed.

1101. The Panel NOTED the following changes to the Grid Code Review Panel Membership:

Chairperson

- David Smith has been appointed as Chairman.

National Grid

- Bec Thornton has been appointed as Panel Member.

Generators with Large Power Station with total Reg. Cap.> 3GW

- Claire Maxim has been appointed as Panel Member with John Norbury as her Alternate.
- John Morris has been appointed as Panel Member with Jim Barrett as his Alternative.
- Yvonne Ryan has been appointed as Panel Member with Campbell McDonald as her Alternate.

Network Operators in Scotland

- David Carson has been appointed as Panel Member with Neil Sandison appointed as his Alternate.

Non-Embedded Customers

- Alan Barlow has been appointed as Panel Member.

BSC Panel

- John Lucas has been appointed as Panel Member with Kathryn Coffin appointed as his Alternate.

1102. The Panel were informed that the position for a Suppliers' Representative remains vacant.

1103. The 2009 Grid Code Review Panel Membership will be available on the Grid Code website.

Action: Panel Secretary

3. Minutes of Last Meeting

1104. The draft minutes of the 34th Grid Code Review Panel (GCRP) meeting held on 20th November 2008 were APPROVED, subject to minor amendments and will be accessible from the Grid Code Website.

Action: Panel Secretary

4. Review of Actions

1105. All the outstanding actions from the previous meetings have been completed or were the subject of agenda items, except for:

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- Minute 800 (Basic Electrical Safety Competence (BESC))

National Grid reported that it had introduced the BESC arrangements at its sites effective from 1st February 2009. A letter informing affected parties of the new arrangements had been circulated to industry contracts late January 2009. National Grid agreed to circulate the letter to Panel Members after the meeting. Any queries/comments on the proposals should be forwarded to Steve Bath (steve.bath@uk.ngrid.com).

Action: National Grid

- Minute 988 (Delegations of Authority - DOAs)

National Grid updated the Panel on progress with the review of the DOA contracts. It was intended that development of the DOA contracts could utilise the format and wording from the Multi-User Switching (MUS) contracts which were also currently being reviewed. A further update would be provided at the May GCRP.

Action: National Grid

- Minute 1041 (Changes to Arrangements for Access to TOPAM Data)

National Grid gave the Panel a presentation about the new Transmission Outage Notification arrangements using TOGA which would be circulated to members for reference.

Action: National Grid

The website based facility enables Generators to access OC2 outage data information. The facility is constantly updated allowing Generators to access Outage data as and when it becomes available. The Panel were informed that the outage planning interface to TOPAM for the Scottish Companies would also now operate through TOGA.

National Grid informed the Panel that any feedback from their constituencies regarding TOGA would be gratefully received.

Action: Panel Members & Constituents

Initial feedback received was that the new self-serve facility may be more resource intensive, in terms of accessing the relevant information, when compared to the previous communication mechanism (weekly e-mail notifications).

- Minute 1049 & 1050 (Protection – Fault Clearance Times and Back-Up Protection)

The Panel were informed that a meeting with industry protection specialist had been scheduled for 4th February 2009. Unfortunately due to adverse weather conditions the meeting had been cancelled; an alternative meeting date was currently being agreed. The Panel would be informed of the outcome/recommendations of the meeting in due course.

Action: National Grid

A separate proposal outlining possible changes to CC.6.2.3.1 (Protection Arrangements for Network Operators and Non-Embedded Customers) would be presented to the May 2009 GCRP.

Action: MK

- Minute 1066 (Provision of PNs from Intermittent Generation)

The Panel were informed that Working Group members were still being sought. Any nominees should be forward to Richard Dunn (richard.dunn@uk.ngrid.com).

Action: Panel Members & Constituents

- Minute 1071 & 1073 (BM Replacement & BM System Issues)

Following industry responses to National Grid's consultation on the proposed replacement of the BM system, National Grid published a consultation report in December 2008 summarising the industry responses and outlining the proposed way forward. The industry views can be broadly grouped into those that may

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affect the procurement of a new system and those that may enhance the system functionality in the future. A summary of these views is provided below; the full consultation report (dated 18 December 2008) is available on National Grid's website at <http://www.nationalgrid.com/uk/Electricity/Balancing/consultations/>.

The Panel were informed that during periods November 2008 to January 2009 there were no outages which affected the ability of external parties to access the BM System. The Panel noted the improvement in the reliability of the system and requested that updates were provided on a regular basis at future GCRP meetings.

Action: National Grid

▪ Minute 1074 (Target Voltage Instructions)

The Panel were informed that a consistent approach has been established which was to set the system voltage up prior to the exercise then contact the station, record the voltage that they could see and request they keep to that voltage as a target for the duration of the exercise. The exercises are to be conducted at a time of varying system demand when it is to be expected that the generator will have to actively tap the generator transformer to attain the target. The difference between the station voltage readings and the system voltage (from iEMS) readings is recorded for each exercise. A further report on issues arising will be provided to May 2009 GCRP.

Action: National Grid

▪ Minute 1093 (BOA Unique Identification in the Settlement System)

The Panel were informed that no impact on User's internal processes had been identified to date.

5. Grid Code Development Issues

Grid Code Consultation Update

1106. The Panel noted that National Grid had issued Grid Code Consultation G/08 (Grid Code Requirements for the GB Transmission System Study Network Data File) on 18th December 2009 with a request for comments by 30th January 2009. A total of three comments had been received.

6. New Grid Code Amendments

Housekeeping Amendments (pp09/05)

1107. National Grid provided an overview of the proposed Housekeeping Amendment and requested that any further housekeeping changes that had been observed by Panel Members or Alternates should be provided to the Panel Secretary (richard.dunn@uk.ngrid.com). The Panel agreed that the proposal (inclusive of any additional amendments identified) should proceed direct to industry consultation.

Action: National Grid & Panel Members

Record of Inter-System Safety Precautions (RISSP)(pp09/06)

1108. National Grid provided an overview of the proposed amendment and explained that the RISSP process provided a written record of safety precautions that are to be utilised in accordance with the applicable provisions of OC8 of the Grid Code.
1109. However, the current wording in the RISSP form only permitted a four digit number to be assigned to the RISSP form and was inconsistent with current operational practices in NGET's transmission area. National Grid requested that notification was received regarding any IT constraints regarding the RISSP unique reference number, by **20th February 2009** (to be sent to lilian.macleod@uk.ngrid.com).

Action: Panel Members

1110. National Grid agreed to discuss with the NOC and the Relevant Transmission

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Licensees as to whether the reference in the Grid Code could be made flexible to accommodate changes more easily rather than specify a particular number of digits and circulate some wording to Panel Members that could be incorporated into the subsequent consultation for agreement via e-mail.

Action: National Grid

1111. The Panel noted that the proposed changes will be applicable to the relevant clauses in OC8A (Safety Co-ordination in England and Wales) and OC8B (Safety Co-ordination in Scotland).

7. Working Groups

▪ **Compliance Working Group Report (pp09/07)**

1112. The Secretary to the Compliance Group provided a summary of the Working Group Report. The Compliance Working Group had been established by the Grid Code Review Panel in September 2007, primarily to make proposals for inclusion within the Grid Code of a compliance process to be followed by National Grid and generators. The Group was also tasked with clarifying the roles of DNOs and NGET in the compliance assessment of LEEMPS.

1113. The Working Group proposed that the assessment process will be largely based on the existing process described in National Grid's Guidance Notes. The proposals include details of the process, describing four different operational notifications that may be issued, data submission requirements, testing requirements, and simulation studies.

1114. For LEEMPS the Working Group proposed that:

- By default National Grid will be responsible for compliance assessment of new LEEMPS up to the point when they first demonstrate Grid Code compliance. From then on, the responsibility is the DNO's
- A DNO make elect to take on responsibility for all new LEEMPS in its area
- Where a LEEMPS has already begun a compliance assessment process with a DNO, the DNO will retain responsibility unless National Grid, the DNO and the generator agree to transfer it to National Grid.

1115. The proposals also introduce the concept of a manufacturer's performance report, which will allow performance data on turbines to be submitted to National Grid and then referenced by generators in place of demonstrating a turbine's performance during commissioning. The Panel questioned how the information would be obtained in the event of the manufacturer going out of business. It was agreed that this was an importance concept which required further consideration.

Action: Working Group

1116. Most of the proposals had been fully supported by all members of the group. A small number of issues for which one generator has expressed concern were described in the report. These relate to:

- The validation of models
- The demonstration of a generator's capability to operate in an island situation
- The submission of certain PSS performance data.

1117. National Grid had acknowledged these concerns. In respect of the first two it is proposed to delay the requirements until 2012 to allow further discussions on how best to meet the requirements. For the third issue, National Grid believes that all of the requested data is required.

1118. It was recommended that the GCRP approves taking the proposals to industry consultation.

1119. The Panel generally agreed with this recommendation and acknowledged the amount of work (from all participants) which had gone in to developing the proposals to date. Nonetheless, the Panel acknowledged the importance of submitting a high quality report to the Authority on this complex issue and noted that there were a few matters which still required further consideration:

- Interaction between LON/OC5 processes.
- Proposed way forward for the outstanding issues on i) validation of models, ii) demonstration of a generator's capability to operate in an island situation and iii) submission of certain PSS performance data.
- Certain parts of the LEEMPs proposals.
- Possible Interaction with the STC (STCP19-3: Operational Notification and Compliance Testing).
- Consistency between the Generator's obligations under the Planning Code and Data Registration Code and the use of the manufacturers' data and performance report.

1120. The Panel therefore agreed the following approach:

- Two extra weeks will be given for GCRP Members (and their constituents) to provide further comment on the Working Group report and associated recommendations indicating any particular issues of concern;
- The Working Group should consider comments received and agree a way forward (potentially via a Working Group meeting);
- The Working Group should proceed with an industry consultation once agreement has been obtained regarding the outstanding issues (subject to notifying the GCRP that agreement has been achieved).

1121. Any comments on the proposals should be sent to Mark Perry (mark.perry@uk.ngrid.com) and Helge Urdal (helge.urdal@uk.ngrid.com) by **20th February 2009**.

- **Rated MW Working Group Report (pp09/08)**

1122. National Grid presented the Working Group Report and gave the Panel a presentation on the work of the Group which would be circulated to Panel Members for reference.

Action: National Grid

1123. The Working Group had been asked to assess the impact on the GB Transmission system of Synchronous Generating Units exceeding Rated MW for any length of time. The Grid Code was silent on such operation and therefore ad hoc arrangements had developed. National Grid had undertaken analysis of the effects of widespread generation exceeding Rated MW and these studies indicated that this would be very expensive requiring additional investment in MSCs and would be complex operationally.

1124. The Working Group proposed that current arrangements for existing generators should remain. However, for new generators and existing power stations with an increase in CEC the generating unit must be capable of continuous operation at least 0.9pf lagging. Leading capability will be based on the under excitation limiter characteristic. National Grid would also be able to request that generating units submit a PN no higher than its Rated MW (at no cost) should it see a system need. The recommendation of the Working Group was that National Grid should proceed to consultation.

1125. During discussion, it was noted that there would be costs to generators when they were requested to submit a PN no higher than Rated MW for system need but it was noted that they would gain revenue when operating above Rated MW. In addition, generation technology was improving over time in the context of provision of greater amounts of reactive power.

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1126. A separate Grid Code Working Group will consider the wider issue of the provision of reactive power by all types of generation across the whole of their operating range.

1127. The Panel agreed that the Working Group had fulfilled its remit and agreed that the issue should now proceed to consultation.

Action: National Grid (LM)

▪ Gas Insulated Switchgear

1128. National Grid gave the Panel a presentation on the progress of the Working Group to date which would be circulated to members for reference.

Action: National Grid

1129. The issues associated with the two solutions that the Group had decided to concentrate on, were complex involving enduring ownership, operational and safety issues. One of the solutions (the RWE solution where ownership of certain generation circuits would be transferred to National Grid) required regulatory changes that would require clearance through National Grid's internal governance process and discussion of the consequential funding issues with Ofgem.

1130. The actual changes to the Grid Code were expected to be minor and straightforward. The CUSC Panel would be briefed on the issues in March. Implementation as a whole and the extent of any retrospection were also important issues that the Working Group needed to consider in more depth. There may also be a need for transitional arrangements.

1131. The Working Group was therefore seeking an amendment to its Terms of Reference to report back to the Panel in May 2009. The Panel agreed to this extension for the Group to report back to the May 2009 Panel meeting.

Action: National Grid (EC)

▪ Frequency Response

1132. National Grid reported that the second meeting of the Working Group had been held on 29th January 2009. The Group were considering the studies that would be required to examine system needs for frequency response under various scenarios representing the possible future generation mix. They could then undertake some cost/benefit analysis and consider commercial approaches to the provision of frequency response. Other issues the Group would be considering were European requirements and demand side provision of frequency response.

▪ E3C Small Embedded Generators Frequency Obligations Terms of Reference (pp09/09)

1133. National Grid reported that the first meeting of the Working Group was held on 22nd January 2008. It was noted that this was a joint Grid Code/Distribution Code Working Group and as such the Terms of Reference would have to be approved by both the GCRP and DCRP. The GCRP approved the proposed Terms of Reference subject to minor amendments:

- Working Group discussions should consider both high and low frequency excursions.
- Working Group discussions should focus on plant which is currently not covered by the Grid Code i.e. small embedded power stations.
- Point 7 should be converse of the existing wording.
- With reference to high frequency excursions, working group to consider what technical obligations should be placed on small embedded generation with respect to frequency obligations (in the future) - covered by bullet point 10.

1134. Members of the Panel recognised that some information on the 27th May 2008

incident (e.g. power point slides) was in the public domain, however they expressed concern that no formal report on the incident was available. Concerns were raised that Working Groups had been formed without a full analysis of the problem they were set up to address. National Grid confirmed that a report had been submitted to the EC3 but that this was confidential and was not available to the Panel. However a report about the incident on 27th May 2008 was due to be made public shortly and would be forwarded to Working Group and Panel when it became available. Members of the Working Group requested that this be made available ahead of the next scheduled meeting of the LFDD Working Group on 5th March.

Action: National Grid

1135. The Panel noted that the Working Group's terms of reference included issues of materiality and the potential for islanding embedded generators. The Panel also agreed that the generic issues raised by embedded generation loss risk of high system frequency incident (agenda item 13) should also be considered by this Working Group subject to assessment as to whether the issues could be addressed within the November 2009 timeline for completion of the Group's work.

- **E3C OC6.6 (Automatic LFDD)
Terms of Reference (pp09/10)**

1136. National Grid reported that the first meeting of the Working Group was held on 22nd January 2008. The Group would report back to the May 2009 Panel meeting in keeping with the timeline set by the E3C. Refer to minute 1134 above re a report on the 27th May 2008 incident.

Action: National Grid

1137. The GCRP approved the Terms of Reference of the Working Group.

8. Pending Authority Decisions

- **F/08 – Grid Code Requirements for System to Generator Operational Intertripping Scheme**

1138. The Panel noted that the Report to the Authority for F/08 had been submitted to Ofgem for determination on 26th January 2009.

9. Authority Decisions

- **D/08 – Technical Performance**

1139. The Panel noted that the Authority had approved D/08 on 19th November 2008 and implementation had taken place on 8th December 2008.

10. Review of OC6.6

1140. National Grid informed Panel Members that the Authority had recently granted a time-limited derogation to NGET regarding Grid Code provisions OC.6.6.6 in respect of a new Non Embedded Customer connection. In granting the derogation, the Authority requested that NGET undertake a formal review of the appropriate Grid Code provisions to ensure that they properly reflect system requirements.

1141. National Grid informed the Panel that this review had been completed and that the provisions were appropriate, taking account of the need to ensure secure and economic operation of the GB system together with equitable treatment of all users.

1142. National Grid acknowledged that the existing wording may benefit from additional clarification such that the intent of the provisions was clear and concise. National Grid was currently considering the appropriate changes to the existing wording and will report back to the GCRP (with the proposed amendment) in due course.

Action: National Grid

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1143. National Grid confirmed that the review of the OC6.6.6 provision was separate from the review of the LFDD scheme that was being undertaken by the E3C Working Group.

11. Short Circuit Ratio (pp09/12)

1144. National Grid provided an update on the potential change to the Short Circuit Ratio and explained that following the discussion of this issue at the September and November 2008 Panel meetings it had been in contact with manufacturers of large turbo alternators up to 2000MVA. Insufficient evidence had been received from Manufacturers to date as to whether the continuation of the SCR at 0.5 would create any problems and therefore this issue was not considered significant enough to pursue.
1145. A Panel Member indicated that National Grid had been briefed on this issue separately and confirmed that this was an important issue in the context of the transportability of large turbo alternators that would be associated with new nuclear power stations.
1146. National Grid confirmed that it was aware that one manufacturer out of the five contacted that confirm this problem which was insufficient evidence for a Grid Code change but nonetheless agreed to keep this issue open for the May 2009 GCRP meeting.

Action; National Grid (NT)

1147. Another Panel Member agreed to coordinate input to National Grid on this issue from generators. National Grid confirmed that it would ensure that confidentiality of any information from generators would be respected.

Action: National Grid (NT) and CMc

12. Planning Data – PC.4.4.2

1148. National Grid reported that it had now reviewed the provisions of PC4.4.2 thoroughly and concluded that the requirement for submission of planning data 28 days after contracts were signed was still appropriate given the additional flexibility already provided in PC4.4.2 i.e. that a later timescale could be agreed between National Grid and the developer on a case by case basis.
1149. Discussions with the BWEA were continuing to explore whether generic data for wind farms could be employed using the concept of “preferred turbine” and “conceptual network” where the contracted connection date was beyond the SYS horizon. Some Panel Members continued to believe that the default position on PC4.4.2 should be that provision of the data was linked to the connection date rather than 28 days after contractual commitment.
1150. One Panel Member asked if National Grid could give an indication of how sensitive the data provided by generators at present was for transmission planning. National Grid confirmed that this is the case where system stability and quality are impacted. National Grid agreed to consider which Detailed Planning Data would be more important to receive under PC4.4.2.

Action: National Grid (NT)

13. Embedded Generation Loss Risk of High System Frequency Incident (pp09/13)

1151. National Grid presented on the Embedded Generation Loss Risk of High System Frequency Incident and data obtained to-date. National Grid explained that following the update provided to the Panel at the November 2008 meeting it had continued to work to improve the quality of the data. However, National Grid was still concerned that there is insufficient information to assess and quantify the level of risk to the security of the GB system posed by the potential loss of embedded generation

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consequent during a system high frequency excursion.

1152. National Grid would welcome further help from Panel Members to finalise the data. Panel Members discussed ways in which the data could be utilised more effectively (e.g. applying load factors for different technologies) but agreed with National Grid that efforts should continue to improve the quality of the data before moving on to analyse a policy response based on the data.
1153. It was agreed that National Grid should consider what alternative avenues regarding obtaining the relevant information from Users were available.

Action: National Grid (NT)

14. Adoption of CUSC Environmental Code Guidelines (pp09/14)

1154. National Grid provided an overview of the recommendations from the CUSC Environmental Standing Group. The Panel were informed that cross-code representatives were members on the group. The objective of the Group was to establish common principles and guidance on the treatment of carbon costs under the current industry codes.
1155. The main conclusions from the Standing Group were:
- Assessment of carbon costs envisaged by Ofgem's final guidance is achievable.
 - A broader assessment than 'network operation' relevant objective is achievable under the objective regarding the efficient discharge of the relevant licensee's activities.
 - Assessment of proposed changes will vary on a case-by-case basis.
 - Practical examples have aided understanding and identified some general principles and issues.
 - A large body of standard data and conversion factors is available i.e. DEFRA website.
 - Information will aid and ensure a consistent approach across the industry
 - Assessment of carbon costs will be as complex as any other forecast cost benefit calculation.
 - It will be significantly affected by the assumptions made.
 - These assumptions will need to be transparently set out for each assessment to ensure industry consultation on the assessment is full and effective.
1156. The Panel agreed to formally adopt the Guidelines in considering future amendments to the Grid Code. Further background to the Guidelines is available at:

<http://www.nationalgrid.com/uk/Electricity/Codes/systemcode/workingstandinggroups/Environment/>

15. Industry Code Governance Review

1157. National Grid gave the Panel a presentation on Ofgem's Industry Code Governance Review which would be circulated to members for reference.

Action: National Grid

1158. The Panel were informed that the review had six distinct work streams:

- Major Review and Self Governance
- Charging Methodologies
- Environment and Code Objectives
- Role of Code Administrators
- Reducing fragmentation and complexity
- Small parties initiatives

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with the recommendations from each of the work streams being debated by the industry via working groups and/or formal consultation.

1159. The aim of the review is multi-faceted with the overall goal of having in place an effective governance regime which will act as efficient facilitator for developing and implementing industry change across all the Codes and agreements.
1160. The impact on the Grid Code, and in particular the governance arrangements, is at this stage unclear, given the variety of options which Ofgem have put forward for consideration. However certain elements of the review are clearly not applicable to the Grid Code e.g. charging methodologies and the main focus of the review appears to be on the main 'commercial codes' e.g. BSC, CUSC & UNC.
1161. The Panel was informed that aspects of the Grid Code governance arrangement may have to be adapted to reflective the consultations of the review e.g. 'major review and self governance'.
1162. A Panel Member questioned whether the Regulator had the legal powers to implement some of the changes to Code Governance mooted in the review documentation.
1163. The Panel agreed to submit a formal response to Ofgem's consultation on [Major Policy Reviews and Self Governance](#) (Closing date for responses 27th February 2009). Panel Members will indicate which information they would like to be contained in the response by **11th February 2009**.

16. Ofgem Consultation on the Environment and Code Objectives

1164. The Panel noted that a response on behalf of the Panel to this [consultation](#) had been sent to Ofgem by the Panel Chairman on 16th January and circulated to Panel Members prior to the meeting.

17. EWEA/EWIS Developments

▪ Harmonisation of European Grid Codes (Post Meeting Note)

1165. The Panel were informed that at a joint EWEA/EWIS meeting (which took place on 12th December 2008), EWEA presented their stage 1 (of 3 stages planned) in preparing a harmonised set of requirements. The GCRP received a high level summary of the difference stages:
- Stage 1 – define the topics – see attached format paper – 224 topics (headings have been identified) – these cover requirements covered by any current Grid Code + contain also a few potential future items, such as synthetic inertia and damping requirements.
 - Stage 2 – define the requirements for each in words – next stage for EWEA to work on.
 - Stage 3 – define the range of parameters to go with the words – defining envelopes of national choices.

1166. The Panel would be kept informed of any further developments.

Action: National Grid

18. Offshore Transmission (Post Meeting Note)

1167. The Authority provided an update on the development and implementation of the Offshore Transmission regime. The Panel noted that the Ofgem/DECC consultation on the proposed offshore transmission regime had closed in early January 2009; with 17 responses from organisations. Many respondents provided comments on the detailed change proposals for the transmission licence and industry codes (including Grid Code).

1168. Ofgem are currently considering responses and developing drafting of detailed change proposals with the assistance of relevant code owners.
1169. Ofgem are planning further publications during February/March 2009 for:
- Offshore Transmission Tender Process (including proposed tender regulations).
 - Offshore Transmission Regime (including changes to transmission licence and industry codes for implementation by Secretary of State designation decisions).
1170. The target date for Go-Active of the offshore transmission regime and designation of changes to transmission licence and industry codes is June 2009.
1171. The target date for Go-Live of the offshore transmission regime is June 2010.

19. Impact of Other Code Modifications (Post Meeting Note)

▪ BSC

- Timing of Gate Closure and Related Matters

1172. Issue Group 35 was currently considering the issues associated with any future move to half-hour Gate Closure which may potentially have implications for the Grid Code. The Panel will be kept informed of any potential Grid Code changes required.

Action: National Grid

- Black Start & Fuel Security

1173. P231 (Black Start and Fuel Security Code Procedures under the Balancing and Settlement Code) and P232 (Black Start and Fuel Security Compensation and Single Imbalance Price Derivation) are currently being evaluated by BSC Modification Groups. There is the potential for P231 to necessitate consequential Grid Code changes. The Panel will be kept informed of any potential Grid Code changes required.

Action: National Grid

▪ CUSC

- Transmission Access Modifications - CAP161-166 (pp09/15)

1174. The CUSC Transmission Access Amendment proposals were raised in response to the issues discussed and identified from Ofgem's Transmission Access Review (TAR). The intention of the suite of Amendment Proposals is to improve access arrangements to facilitate the anticipated connection of large volumes of generation whilst maintaining an efficient and reliable network.
1175. The Amendment Reports for CAP161- CAP165 were presented to the December 2008 CUSC Amendment Panel. These Amendment Reports have been delivered to Ofgem for their consideration and ultimately a decision by the Authority on whether the amendments will be made. CAP166 has been granted an extension and will be submitted to Ofgem in March 2009. Subject to the Authority's approval, the proposals will become effective from April 2010.
1176. From a Grid Code perspective the proposals will have minimal impact on the fundamental technical and operational requirements specified, as any User, utilising the new access products, must continue to be compliant with the applicable parts of the Grid Code.
1177. All of the CUSC Transmission Access Amendment Proposals will introduce a new commercial capacity term into the CUSC: Local Capacity Nomination (LCN). LCN (allocated on a Power Station not Unit basis) will act as an upper limit on the volume of short-term (including over-run) and long-term access that a User may purchase. LCN cannot exceed CEC (Power Station not Unit allocation).

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1178. The introduction of this new capacity will have both planning and operational implications and as such will necessitate a formal Grid Code review such that:

- the term is cross-referenced in the appropriate places (within the Code) and
- the existing rules, governing the submission of data during operational timescales aligns with the new capacity term.

1179. The Panel were informed that National Grid will instigate a formal Grid Code review, reporting back to the GCRP (at May 2009 panel meeting) with the associated findings and recommendations.

Action: National Grid

1180. A formal request was made to Panel Members to consider what Grid Code changes may be required. Any comments to be received by 6th March 2009 (to Lilian Macleod).

Action: Panel Members

1181. Any subsequent proposals identified will be progressed in a timely manner such that it aligns with the proposed implementation date of CAP161 - CAP166.

- **Ofgem Consultation on the “timing out” of Authority Decisions on Modification Proposals**

1182. The Panel were informed that Ofgem’s consultation on [‘the “timing out” of Authority Decision on Modification Proposals’](#) did not impact the Grid Code. The arrangements for the Grid Code are already flexible in that the Grid Code report does not include specification of an implementation date. Rather, implementation dates are proposed by NGET on request by the Authority when they are in a position to formally publish their decision. Therefore, additional flexibility is not required under the Grid Code as it already exists through either not specifying the implementation date, or not fixing an implementation date until the Authority review is completed.

- **GB SQSS**
- **GSR007 (Review of Infeed Loss Limits)**

1183. The consultation document for [GSR007 \(Review of Infeed Loss Limits\)](#) was issued on 4th February 2009. Responses to the GSR007 consultation document should be sent to GBsqss.Review@uk.ngrid.com no later than close of business on Friday, 6th March 2009.

20. Any Other Business

- **AOB01 – Reactive Power from Power Park Modules**

1184. National Grid gave the Panel a presentation on a CUSC Amendment that National Grid would be proposing to the February CUSC Panel meeting relating to reactive power with respect to the framework for Power Park Modules, the provision of MSAs for all categories of large power stations and the appropriate payment terms for embedded generators.. The presentation would be subsequently circulated to Panel Members for reference along with the draft CUSC Amendment Proposal.

Action: National Grid

1185. In relation to embedded generators the Proposed Amendment seeks to facilitate partial payment to generators under connection conditions which prevent instruction from National Grid to the embedded generator to reduce output to 0 MVar reflecting:

- The Grid Code requirement and dynamic benefit from those under restriction
- That it is not possible for National Grid to despatch Reactive Power from such

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generators to 0 MVar in line with system operation requirements

The Panel noted that a consequential Grid Code change may be necessary such that National Grid were informed of any DNO connection conditions which would introduce such restrictions on the reactive output of the embedded generator.

1186. It will be National Grid's recommendation that the proposal be considered by the Balancing Services Standing Group (BSSG). Given the potential Grid Code interaction a formal request was submitted for Grid Code participation in the BSSG discussions.
1187. GCRP members (and their constituents) who would like to participate in the development of the amendments would notify Carole Hook (carole.hook@uk.ngrid.com) by **26th February 2009**.

Action: Panel Members & Constituents

21. Date of Next Meeting

1188. The next meeting will be held on 21st May 2009 at National Grid House, Warwick. The meeting will commence at 10:00am.