

Minutes

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| Meeting name | Grid Code Review Panel |
| Meeting number | 57 |
| Date of meeting | 19 th September 2012 |
| Time | 10:00am - 4:00pm |
| Location | National Grid House, Warwick, CV34 6DA |

Attendees

| Name | Role | Initials | Company |
|-------------------|-------------|-----------------|------------------------|
| Ian Pashley | Chair | IP | National Grid |
| Robyn Jenkins | Secretary | RJ | National Grid |
| Thomas Derry | Member | TD | National Grid |
| Bec Thornton | Member | BT | National Grid |
| Graham Stein | Member | GS | National Grid |
| Audrey Ramsay | Member | AR | National Grid |
| Richard Lavender | Alternate | RLa | National Grid |
| Shafqat Ali | Presenter | SA | National Grid |
| Carole Hook | Presenter | CH | National Grid |
| Robert Paterson | Presenter | RP | National Grid |
| Damien McCluskey | Presenter | DM | National Grid |
| Richard Wood | Presenter | RW | National Grid |
| Antony Johnson | Presenter | AJ | National Grid |
| John Morris | Member | JM | EDF Energy |
| Alastair Frew | Member | AF | ScottishPower |
| Alan Creighton | Member | AC | Northern Powergrid |
| John Lucas | Member | JL | Exelon |
| Guy Nicholson | Member | GN | Senergy Econnect |
| Steve Brown | Member | SB | Ofgem |
| Campbell McDonald | Member | CM | SSE Generation |
| Guy Phillips | Member | GP | E.ON UK |
| Barbara Vest | Member | BV | Energy UK |
| John Norbury | Member | JN | RWE |
| Mike Kay | Member | MK | Electricity North West |
| Neil Sandison | Member | NS | SSE |
| Jim Barrett | Alternate | JB | Centrica |
| Alan Michie | Alternate | AM | SPT |

Apologies

| Name | Role | Initials | Company |
|-----------------|-------------|-----------------|----------------|
| Sigrid Bolik | Alternate | SBO | REpower |
| Alan Barlow | Member | AB | Magnox |
| Richard Lowe | Alternate | RL | SHETL |
| Kathryn Coffin | Alternate | KC | Exelon |
| Shijun Yi | Alternate | SY | Ofgem |
| Alan Kelly | Member | AK | SPT |
| Gordon Kelly | Alternate | GK | ScottishPower |
| Xavier Pinchaux | Alternate | XP | RTE |
| Brian Punton | Member | BP | SHETL |
| Dick Lewis | Member | DL | SONI |
| Tom Davies | Member | TDA | Magnox |
| Lisa Waters | Alternate | LW | Waters Wye |

1 Introductions & Apologies

2714. The Chair welcomed the group and the apologies were noted.

2 Approval of Minutes

a) July 2012 GCRP Minutes

2715. BV identified an error with minute 2626, BV should be BVi.

2716. Providing the error is corrected, the Panel approved the minutes for publication.

2717. **ACTION: RJ** Upload minutes on to the National Grid website.

3 Review of Actions

a) Summary of Actions

May 2012 GCRP

2718. Minute 2574 - RJ informed the Panel that the May 2012 GCRP Minutes have been uploaded. This action is completed and can be closed.

Significant System Events Report (previously RoCoF Report)

2719. Minute 2016 – AR informed the Panel that the possibility of including an estimate of system inertia in the Significant Systems Event Report is possible. This action remains ongoing.

2720. GN expressed concern that this issue was raised over a year ago without any answer provided, and there is still a need for it within the industry.

2721. AR explained that, to complete the task, the constant of every generator connected to the system needs to be known. Gathering all the information about every generator connected is a lengthy process. IP suggested that closing this action and creating a specific action to produce a paper examining System Inertia is a pragmatic way forward.

2722. **ACTION AR** - Bring paper to next Panel Meeting examining System Inertia.

2012/13 Membership

2723. Minute 2476 – TD noted that Nigel Cornwall raised the issue at the Supplier Forum on the 8th August. No responses have been received. The Panel suggested using Energy UK as a further method of contacting suppliers and TD agreed to circulate something through BV. The Panel agreed to close this action.

Offshore Wind Farms Not Connected to an Offshore Transmission System

2724. Minute 2483 – TD noted that in the legal drafting a crossover with transition has been identified which is being looked at by NGET's legal team. This action remains ongoing.

Grid Code Connection Conditions for Small Embedded Power Stations

2725. Minute 2225 – Following discussion at the July GCRP regarding the impact RFG will have on this issue JN noted that the lack of clarity within the Connection Conditions should be noted and JL added that this issue also causes problems for Elexon's market entry team.

2726. The Panel agreed with the proposal to assess Small Embedded Power Stations on a case by case basis in the short term and to add this issue to the Issues list until the RFG is implemented.

Space Weather

2727. Minute 2499 and 2701 – TD confirmed that there will be a presentation at the October Operational Forum on Space Weather. This action is now complete and can be closed.

2728. Minute 2695 – TD circulated the E3C update from the previous GCRP. This action is complete and can be closed.

2729. Minute 2697 – TD explained there is no specific report highlighting the at risk plan. Instead the analysis has been done based on hotspots in the system and bilateral discussions will take place between the affected generators and NGET. There is currently no clear timetable for contact. AF noted that SC explained that faxes will be sent to generators if a significant event occurs, but actions to take on receipt of the fax are unknown
2730. JN expressed frustration with the lack of information available to generators regarding which generating units are likely to be at risk from space weather. Transformer data was provided to NGET by generators in November 2011 and generators were informed at the March & May 2012 GCRP meetings that feedback would be provided from NGET's studies. He also asked whether the strength of the disturbance will be included in the proposed warning fax.
2731. IP suggested that, to answer these questions, an E3C member or relevant expert attends the next GCRP. AR suggested that there may be an industry exercise testing this process. As such this action can be closed as it has been superseded.
2732. **ACTION RJ** – ask an E3C member/space weather expert to attend November Panel Meeting.
2733. Minute 2699 – AR confirmed that the Risk of System Disturbance warning goes out on BMRS and this can be issued for a widespread issue. This action is complete and can be closed.

Information on Embedded Small Power Stations - Terms of Reference

2734. Minute 2511 and 2660 –RJ confirmed that the request for workgroup members was sent to the industry and the deadline for responses is Friday 28th September. The first meeting will be arranged following this. This action is complete and can be closed.
2735. Minute 2593 – RJ confirmed that the invite was sent to small generators through LW, BV and The DCode secretary. The action is complete and can be closed.

Codification of Generic Requirements currently included in Bilateral Agreements

2736. Minute 2517 and 2596 – These actions are covered on the agenda.

Delegation of Authority (DOA) for Busbar Switching Contracts

2737. Minute 2599 – RW informed the Panel that at the moment the SRS DNO updates have been done for Western Power Distribution and Northern Powergrid but these have not yet been implemented. He explained that he is hoping to complete Northern Powergrids' in October and Western Power Distributions' after that.
2738. RW explained the process is lengthy because there is one person visiting all the sites and often there are issues with the current SRS's which need updating. This is also not a high priority because it does not affect the contracts. NGET want to get DNO's finished first, then Generators with existing contracts and finally any Generators with new contracts. It will be at least a couple of years before this process is complete. JN noted that in a couple of years many of the power stations may be closed under the LCPD.
2739. AC asked whether the site teams can update the forms as they are more likely to know the local issues. RW explained that they want consistent contracts across the board, hence only having one person looking at it.
2740. RW invited the Panel to look at their own SRSs and to come back if they are out of date or any Users who wish to enter a DOA contract are advised to get in touch..
2741. This action is now complete and can be closed.

Electricity Balancing System Group

2742. Minute 2536 – TD informed the Panel that a meeting was held with Eggborough on 26 July 2012 to discuss TSL. This action is complete and can be closed.

A/12: Information Required To Evaluate Sub-Synchronous Resonance

2743. Minute 2678 – GS informed the Panel that the action is ongoing.

Intermittent Generation Strategy

2744. Minute 2616 – RJ informed the Panel that the Terms of Reference have been updated. This action is complete and can be closed.

2745. Minute 2617 – TD confirmed that the slides have been published on the National Grid website. This action is complete and can be closed.
2746. Minute 2618 – GS informed the Panel that the first workgroup meetings were held jointly on the 11th September and the attendees of both workgroups were present. This action is complete and can be closed.

Grid Code Modification Process

2747. Minute 2622 –RJ informed the Panel that the document will be moved once updating it is complete. This action is ongoing.
2748. Minute 2623 – RJ informed the Panel that the document is still being finalised and will be circulated shortly. This action is ongoing.
2749. Minute 2625 – SB presented information on Code Governance Review Two explaining the reasoning behind and the effect on the Grid Code. There will be a consultation at the end of September with a workshop in early November and responses to the consultation are encouraged. The review should introduce Open or Self-Governance across all codes but the Grid Code and DCode will only have open governance, not self governance.
2750. MK asked what self governance means. BV explained that for modifications with no significant impact, the report does not have to go to the Authority for decision and, instead, can be decided by the Panel. MK asked what is wrong with the current process to need this review and noted that this seems to move away from the approach of the ENC's so it may be better to wait until after the implementation method has been decided. This action is complete and can be closed.

Issues Summary

2751. Minute 2631 – RJ informed the Panel that the issues list has been updated. This action is complete and can be closed.

Protection Fault Clearance Times and Back-up Protection

2752. Minute 2678 – RJ informed the Panel that the legal text is being examined and will be circulated once finalised. This action remains ongoing.

Demand Control

2753. Minute 2644 and 2678 – these actions will be covered on the agenda but are now complete and can be closed.

Frequency Changes during Large System Disturbances

2754. Minute 2648 – RJ informed the Panel that nominations for the workgroup have been received and the first meeting will be arranged shortly. This action is complete and can be closed.

Frequency Response

2755. Minute 2678 – TD informed the Panel that the workgroup consultation has been published and the report will be brought to the November panel meeting. This action remains ongoing.

Harmonics

2756. Minute 2655 – GS informed the Panel that the final meeting did not take place ahead of this GCRP, the report will be brought to the November panel meeting.

BMU configuration of Power Park Modules

2757. Minute 2657 – This action is covered on the agenda but is now complete and can be closed.

Revision of CC7.7 (Maintenance Standards)

2758. Minute 2678 – RJ informed the Panel that the consultation closed with 4 responses received and NGET are currently drafting the Report to the Authority. This action is complete and can be closed.

Formalising Two Shifting Limit and other parameters

2759. Minute 2657 – TD informed the Panel that the B/12 consultation was circulated to the Panel before it was issued. The consultation closes on Friday 21 September. This action is complete and can be closed.

2760. Minute 2669 – TD informed the Panel that the consultation includes questions on implementation. This action is complete and can be closed.
2761. Minute 2671 – TD informed the Panel that the consultation includes questions regarding a workaround solution. This action is complete and can be closed.

European Network Codes

2762. Minute 2691 – RJ informed the Panel that Implementation of ENC's will be covered by CH later in the meeting. This action is complete and can be closed.

Any Other Business

2763. Minute 2570 and Minute 2606 – SB updated the Panel on Stakeholder Engagement and Ofgem's approach to industry issues. This action is complete and can be closed.
2764. Minute 2705 – IP informed the Panel that the new National Grid structure went live on the 17 September. JB noted that a letter had been circulated to the industry outlining the new structure. This action is complete and can be closed.
2765. Minute 2709 – TD informed the Panel that a presentation containing the Special Actions process has been circulated and is available on the Operational Forum section of the website. This action is complete and can be closed.
2766. Minute 2712 –TD noted that there may be new KPI's under CGR2 similar to those the CUSC produce so it would be better to wait for the outcome of the Code Governance Review. This action is complete and can be closed.

4 New Grid Code Development Issues

a) Electricity Supply Emergency Code (ESEC)

2767. DM presented the paper pp12/41 to the Panel.
2768. DM informed the Panel that DECC ran exercise Farraday to develop new ESEC requirements; as a result a change to the Grid Code was identified. The proposed change allows NGET to act as a central coordinator for rota disconnection. The proposed legal text is still with DECC's legal team for review, it will then be checked by NGET's legal team before it is issued for consultation.
2769. JN noted that the proposed text appears to be drafted for information only and does not define the roles, responsibilities and obligations of the parties involved in the process in a form consistent with the Grid Code. MK indicated that, from the text, it wasn't clear what the defect was. IP explained that one of the drivers behind this proposal is to give DECC comfort in authorising NGET to act on their behalf. MK also noted that TO's are on the paper as an affected party when they are not part of ESEC.
2770. DM proposed removing TO's from the paper and then sending it straight to Industry Consultation once the legal text is finalised.

b) GB Determination of the Detail of the European Network Codes

2771. CH gave a short presentation on the application of European Network Codes within GB noting that much of the detail is still unknown.
2772. CM presented the paper pp12/42 to the Panel.
2773. CH noted that it is widely accepted that RFG article 4(3) does not do what it is supposed to. Current understanding is that it is unlikely to stay as drafted so providing a statement on how it will work is not worthwhile at this time. CH stated that NGET are firmly committed to GB governance and continue to view this as the appropriate way to take forward application of European Network Codes in GB.
2774. CM noted that the purpose of the paper is to put the issue on the agenda and make the Panel aware. CH explained that by the 12th October ACER will provide their opinion on the Requirements for Generators Network Code and that the expectation is this will include reference to 4(3).
2775. MK explained that his understanding was that RFG and other European Network Codes don't supersede GB arrangements unless they are actually in conflict. Ofgem and DECC's interpretation will determine what happens, meaning it is difficult for NGET to do what the paper asks. He added that following the October announcement RFG will go to

the commitology phase. IP explained that there is a pre-commitology phase and when the code first goes to the Commission they can make changes.

2776. JB asked, because there is something as big as 4(3) still outstanding, whether ACER should reject the Code. MK indicated that this is unlikely but if the current draft comes out of ACER looking similar then there will likely be 12-15 months before it becomes law.

2777. The Panel requested that this issue is placed on the Actions list so it can be monitored and a regular update provided.

2778. **ACTION: RJ** Add to actions list.

2779. JB asked how much retrospectivity is expected in RfG. CH explained that the requirement for retrospectivity comes from the framework guidelines, and the RfG includes a process to be followed on a Member State level to determine relevant application.

2780. CH noted that the next steps for implementing the codes should be a joint industry decision; NGET will be producing worked examples to show how the European Codes might be applied in GB. MK suggested that the industry is going to need a set of documentation going forward showing the two requirements side by side, one showing old requirement and one the new RfG requirements. AF noted that this would cause more problems as there would be two sets of definitions.

2781. BV noted that NGET, Ofgem and the DNO's are meeting in October to look at these issues, and ask when will there be a meeting with the generators. MK suggested Ofgem want to talk to the code administrators first.

2782. SB presented slides detailing Ofgem's views on the European Network Codes and some slides with indicative dates for RfG and DCC.

2783. SB noted that Reuben Aitken, who is leading on the European Network Codes for Ofgem, is willing to come to the next panel meeting and the next JESG to talk in more detail. BV noted that this would be useful.

2784. CM noted that the Operational Planning and Scheduling Code will go to consultation in October and it is up to TSOs to decide who it applies to (categorisation of Significant Grid User), asking whether NGET can provide clarity. IP suggested that this is something that can be picked up through the JESG.

5 Existing Grid Code Development Issues

a) Issues Summary

2785. RJ informed the Panel that the issues for discussion at this meeting have been listed on the agenda.

2786. TD proposed removing Grid Code Structure Review as RfG will impact this. the Panel agreed with this proposal.

2787. TD also proposed removing Special Actions from the Issues summary as this is covered elsewhere on the agenda.

b) Demand Control

2788. AR presented the paper pp12/44 to the Panel.

2789. The Panel agreed that the issue can proceed to Workgroup.

c) Codification of Generic Requirements

2790. AJ presented the paper pp12/45 to the Panel.

2791. AJ noted that the examples provided in Appendices A, B and C of the paper had been provided in good faith to enable GCRP members to understand the type of site specific technical requirements National Grid require. AJ advised that NGET welcomed comments and feedback from Users on the templates so they could be continually improved but noted that any such comment had to be balanced against the minimum needs of the Transmission System and requirements for Security of Supply. These examples will eventually be published on the website. AJ also noted that the Technical Appendices were the only vehicle that National Grid could use in the short term to place specific requirements on a User, for example the adoption of new technologies. He

advised that such an approach had been adopted in the past for wind generation in which the GCRP had been fully involved.

2792. JN thanked NGET for progressing this issue and responding with a pragmatic solution. He noted that the original suggestion was for visibility of these so when a user submits a connection or modification application there is some indication of what may be included in a standard offer. He added that it would be useful to consider how these might be published, suggesting that the website with some introductory text could be used. Thought also needs to be given to how they might be updated and maintained. AJ explained that internal meetings are held every 6 months to ensure the technical appendices are up to date. He also advised that the appendices are updated more frequently depending on both internal and external comments.

2793. GN noted that in paper pp12/45, 36 technical appendices are mentioned and these are only 3 examples. AJ noted that these are 3 of the full suite of 36. He advised that the 3 examples contained the majority of the requirements with the other's providing similar requirements but tailored to the specific application. RLa suggested contacting the Customer Account Manager to obtain specific examples.

2794. **ACTION: RJ** ensure publication of examples and explanatory text on NG website.

d) Hybrid Static Compensators

2795. GS presented an update on the status of the Hybrid Static Compensators work GS suggested publishing a consultation incorporating the views of interested stakeholders (particularly manufacturers). GS asked the Panel if they would like to input into the consultation, particularly with regards to getting the requirements and the legal text right.

2796. BV asked whether a consultation would be brought to GCRP for approval.

2797. GN noted that he is happy not to progress the issue to a Workgroup, but go straight to Industry Consultation. GN had specific feedback regarding the NGET compliance team but agreed to discuss directly to RLa. GN added that there is disparity with tap change operations and it would be helpful to have a reference in the consultation.

2798. JB requested clarification on what NGET actually want. GS noted that he wants to set a clear requirement for whoever is building this plant in the future.

2799. Panel members confirmed they are happy to agree the consultation by circulation unless a specific issue is raised, in which case it will be brought back to the next suitable panel meeting.

2800. AF asked for confirmation that it will not be retrospective, noting that the wording published previously warned that it might be. GS stated that retrospective application would only occur if there is a very strong need, which is doubtful.

2801. GS invited the Panel to provide questions for the consultation and noted that publication before the November GCRP is unlikely so an update will be provided to the January panel meeting.

e) Power Park Module Extensions

2802. GS stated that for anyone extending Power Park Modules, resulting in an increase in size then new requirements apply. CM asked whether are there clear guidelines for extending but staying within the current size?

2803. IP asked the Panel how they would like to proceed with this.

2804. CM questioned whether derogations are possible for plants that have already done this, RLa noted that for new plant it should comply with the Grid Code applicable at time of signing the connection agreement.

2805. JN suggested that there is a recognised deficiency in Grid Code regarding Power Park Module Extensions that is identified on the GCRP Existing Issues Summary but does not appear to be a material issue at this time.

2806. The Panel agreed to keep on issues list until after RfG.

6 Workgroups in Progress

a) Frequency Changes during large System Disturbances

2807. MK noted that there is nothing to add as the first meeting hasn't taken place.

b) Frequency Response

2808. TD informed the Panel that the workgroup consultation was published on the 18 September.

2809. The workgroup report will be presented to the Panel at the November GCRP.

c) Harmonics (G5/4)

2810. GS noted that the Workgroup Report was due to be presented to the September Panel, but there are still some issues which need to be resolved, particularly around roles and responsibilities and a further workgroup meeting is required. The meeting is scheduled for October.

2811. AM noted that there may be an opportunity to look at these issues in ED1. MK added that this is on the agenda of the Smart Grid Forum under workstream 4.

d) BMU Configuration of Power Park Modules

2812. GS presented the workgroup report for BMU configuration of Power Park Modules. GS commented that the workgroup looked at potential configurations for both onshore and offshore. The workgroup has proposed changes to modify the power park module availability matrix in OC2 appendix A and BC1 Appendix 1. They have also proposed to modify BC1 and 1a to relax the requirement to resubmit a power park module availability matrix.

2813. GS asked the Panel to note the workgroups conclusions and consider taking proposals forward to consultation.

2814. NS requested clarification of what is significant variation, as explained in the workgroup report. CM noted that given the configurations that are possible, why would moving from one to another be significant? NS noted that he doesn't see the difference between Demand and Generation with regards to switching. IP asked the Panel whether they would like these questions included in the consultation. TD invited the Panel to send questions if they wish.

2815. JB asked whether this allows for changing BMU's within gate closure and GS responded that it only does if the BSC does. JL noted that there is a Grid Code requirement to follow the Physical Notifications (PNs) and nothing in this undermines this requirement.

2816. The Panel agreed that the issue can progress to Industry Consultation.

e) Electricity Balancing System Group

2817. SA informed the Panel that a meeting took place with Eggborough power on 26 July 2012 providing a much better idea of the issues they face and NGET now understand why they do not want to be de-synched more than once.

2818. There were suggestions at EBSG of making TSL fuel or age dependent but this did not receive much support. SA noted that they felt the only way to take this forward was to carry out a separate Industry Consultation with two options, one to formalise TSL, as Eggborough want, and one to completely remove the TSL from the Grid Code to avoid any ambiguity in the future. This consultation will include a section on Eggborough's issue, and will be circulated to Panel and EBSG members via email for comment. The intention is to have the paper ready for the next GCRP but this could be agreed by email if the Panel approve.

2819. BV expressed concerns that this issue has been ongoing since November 2010, and on current timescales NGET will be submitting something to the authority in 2013. Furthermore, at the meeting with Eggborough, NGET discussed a way to use the dynamic parameters, then a few days later received a communication from the NGET shift team querying the way the dynamic parameters were being used. RP responded that NGET did not discuss a way to use the dynamic parameters at the meeting with Eggborough, the use of parameters was associated with a paper tabled by National Grid at the July 2011 Panel. RP said the communication was regrettable and that since being informed of the issue on the previous Thursday, he had provided additional guidance to the control room as they didn't realise these particular submissions were being made to manage TSL. IP acknowledged the issues noting that the aim is to get something to Ofgem which will solve this issue once and for all. BV requested that if there are any delays the Panel are informed before the next panel meeting. SA agreed adding that further delays are unlikely as the consultation is drafted and only needs Eggborough's

issue adding, and approval from NGET's legal team before it is circulated to EBSG members, then the Panel.

2820. The Panel noted their disapproval with the process and the failures experienced.

f) Information on Small Embedded Power Stations

2821. RJ informed the Panel that the invitation for members closes on Friday 28th and the first Workgroup meeting will be held following this.

g) Power Available

2822. GS informed the Panel that the 1st workgroup meeting has taken place in conjunction with High Wind Speed Shutdown.

h) High Wind Speed Shutdown

2823. GS informed the Panel that that the 1st workgroup meeting has taken place in conjunction with Power Available.

2824. GN noted that the number of Workgroups currently running, and the number of Workgroups listed on the website are confusing. He suggested that workgroups are numbered, similar to the CUSC process, and the website is tidied up. RJ commented that is already being considered and we will look into it. The Panel also suggested that for existing workgroups, they are only placed on the agenda if there is an update, instead the Workgroup spreadsheet could be expanded to include more information.

2825. **ACTION: RJ** look into numbering workgroups and develop Workgroup spreadsheet further.

7 Workgroup Report

a) BM Unit Data from Intermittent Generation

2826. TD informed the Panel that the legal drafting is being finalised and it will then be published for Industry Consultation. AF commented that this was supposed to be a temporary fix and TD noted that this should be in before any outcome of the Power Available workgroup, which may supersede it.

8 Industry Consultations

a) A/12: Information Required To Evaluate Sub-Synchronous Resonance

2827. GS noted that the report is being drafted.

b) B/12: Formalising Synchronising Interval, De-Synchronising Interval and Last Time to Cancel Synchronisation as Dynamic Parameters

2828. TD informed the Panel that the consultation is due to close on the 21 September.

c) D/12: CC.7.7 (Maintenance Standards)

2829. TD informed the Panel that NGET are reviewing the consultation responses.

9 Pending Authority Decisions

a) C/12: Safety Management of Three Position GIS Earth Switches

2830. TD informed the Panel that the Report was sent to The Authority on the 18 September.

b) B/10: RISSP

2831. TD noted that the Authority approved B/10 and the implementation date is likely to be April 2013.

2832. Since the Authorities Determination was received an issue has been noted with the format of the code. The Grid Code states it should be 8 characters when the current system is looking for 3 letters followed by 5 numbers (abc12345). AC noted that Users are looking for clarity on what they need to submit and it would help to circulate guidance explaining the format of the 8 characters code that NG requires.

2833. **ACTION: TD** publish guidance note with Authority determination to Users so that they could consider and advise NG of any implementation implications

10 Standing Items

a) European Network Codes

2834. IP noted that paper pp12/46 was circulated.

b) Joint European Standing Group

2835. IP noted that pp12/47, the JESG headline report, was circulated.
2836. BV noted that the headline report from the 16th August 2012 meeting does not convey how rapidly the comitology phase of Network Code development is approaching. BV explained that the JESG has developed a list of issues which BV has now become the custodian due to NGET flagging concerns about its conflict of issue following sign off of the Network Code prior to submission to ACER. There may be a subgroup established under the DECC/Ofgem EU Stakeholder Group to discuss how to deal with assisting DECC through the comitology process.
2837. BV noted that a recent Eurelectric meeting discussed the impact of the RfG across Europe and that many other countries have also identified similar issues to GB. BV asked Panel Members to talk to parent companies, particularly those outside of the UK, to ensure a coordinated European approach.
2838. BV explained that at the JESG on 18 September a JESG survey was presented and TOR will be updated accordingly.

c) Space Weather

2839. The Panel discussed Space Weather under the review of actions.

11 Impact of Other Code Modification or Developments

2840. A codes summary pp12/48 was circulated to the Panel.
2841. TD noted that there may be a Grid Code issue raised as a consequence of STC modification CA049. Requirement for OFTOS to provide capability to respond to reactive power within 2 minutes. The Panel asked whether this was above the generators requirement to respond within 2 minutes.

12 Any Other Business

2842. MK noted that there will be a DCODE panel paper, written by the DNOs to start reviewing Engineering Recommendation P28 which relates to Voltage Fluctuations. Their proposal will be joint GCRP and DCRP workgroup. To avoid delay in actioning this MK proposed circulating the paper to the Panel by email and proceeding straight to Workgroup.
2843. **ACTION: MK** send report to RJ for circulation.
2844. BT explained that NGET are looking for things to improve on and following a review of the customer feedback NGET is thinking of producing a GCRP headline report. Panel members stated that personally they do not feel there is a need for this. MK noted that the CUSC headline report is valuable to him as he is not a panel member so a headline report may be useful for non-panel members. JB added that if a headline report is produced, then care is needed to ensure it is not the same as the minutes. BT agreed to take there comments away and discuss internally.

13 Next Meeting

2845. The next meeting is planned for 20 November 2012 at The Crowne Plaza, Birmingham Airport.