

Minutes

Meeting name	Grid Code Review Panel
Meeting number	51
Date of meeting	22 nd September 2011
Time	10:00 - 16:00
Location	National Grid House, Warwick, CV34 6DA

Attendees

Name	Role	Initials	Company
David Smith	Chair	DS	National Grid
Thomas Derry	Secretary	TD	National Grid
Tom Ireland	Member	TI	National Grid
Graham Stein	Member	GS	National Grid
Steve Curtis	Member	SC	National Grid
Brian Taylor	Presenter	BT	National Grid
Erol Chartan	Presenter	EC	National Grid
Steve Brown	Member	SB	Ofgem
Shijun Yi	Alternate	SY	Ofgem
John Morris	Member	JM	EDF Energy
Jim Barrett	Alternate	JB	Centrica
John Norbury	Member	JN	RWE
Alastair Frew	Member	AF	ScottishPower
Campbell McDonald	Alternate	CM	SSE Generation
Mike Kay	Member	MK	ENW
Alan Creighton	Member	AC	CE Electric
David Carson	Member	DC	SP Power Systems
Alan Barlow	Member	AB	Magnox
Barbara Vest	Member	BV	AEP
John Lucas	Member	JL	Elexon
Robin McCormick	Alternate	RM	SONI
Guy Nicholson	Member	GN	Senergy Econnect
Richard Lowe	Alternate	RL	SHETL

Apologies

Name	Role	Initials	Company
Tom Davies	Member	TDa	Magnox
Kathryn Coffin	Alternate	KC	Elexon
Xavier Pinchaux	Member	XP	RTE
Sigrid Bolik	Alternate	SBo	Senergy Econnect
Alan Kelly	Member	AK	SPT
Brian Punton	Member	BP	SHETL
Neil Sandison	Alternate	NS	SSE
Alan Michie	Alternate	AM	SPT
Guy Phillips	Alternate	GP	E.ON UK

1 Introductions & Apologies

1887. The Chair welcomed the group and the apologies were noted.

2 New Grid Code Development Issues

1888. There were no New Grid Code Development Issues for the GCRP to consider.

3 Working Groups in Progress

Operational Metering requirements on Small Embedded Power Stations ToR

1889. SC noted that this group was set up following the submission of pp11/35. A revised Terms of Reference were presented which provided additional clarity to sections 7 and 8.

1890. JN requested that the use of internet based systems be also included as previously proposed for LEEMPs (pp08/25 May 2008).

1891. CMD questioned if the membership included DNOs and Generators. SC confirmed that this would be drawn out in the Terms of Reference.

1892. **ACTION: SC** Ensure the membership clearly includes DNOs and Generators in the Terms of Reference.

1893. The GCRP approved the revised Terms of Reference and for WG nominations to be sought.

LEEMPS Draft ToR

1894. MK noted that whilst a revised Terms of Reference has been brought to the GCRP for their approval, there are wider issues that need to be considered prior to this Working Group commencing. There is specific drafting within the Framework Guidelines for Connection and the drafting of the European Network Codes (ENC) needs to be understood prior to developing LEEMPS compliance proposals in GB.

1895. MK proposed that this Working Group is paused until the November 2011 GCRP where it will be determined if enough direction from the ENCs has been received to allow this Working Group to resume.

1896. **ACTION: TI** Update the Terms of Reference to include the European interaction as an issue.

1897. **ACTION: DS** Ask JESG to report on issue of compliance assessment in regards to the Framework Guidelines

1898. **ACTION: MK** Update the Panel at November GCRP with progress.

Frequency Resilience of the Total System

1899. GS explained that following further discussions it is proposed to present and agree Terms of Reference for this Working Group at the November 2011 GCRP.

1900. The GCRP agreed for Terms of Reference to be brought to November 2011 GCRP.

1901. **ACTION: GS** Draft Terms of Reference for November 2011 GCRP.

Frequency Response & Technical Sub Group

1902. TI gave a presentation¹ to the GCRP on the progress of the Frequency Response Working Group and the Frequency Response Technical Sub Group.

1903. JN asked if alternative solutions are being considered that, with an appropriate market mechanism might attract capital investment such as flywheels. TI confirmed that this was the case.

¹ <http://www.nationalgrid.com/NR/rdoonlyres/7C7E35BA-C7C8-4C4B-89C9-EB8692634AB9/49441/FrequencyResponseWGUpdate.pdf>

1904. The Technical Sub Group is continuing to develop options and it is expected that one more face-to-face meeting is required prior to the submission of the report to the Frequency Response Working Group. GS noted that there are a number of possible solutions but due to the complications of RoCoF triggered control systems, faster response from proportional governor action is now being considered.
1905. The Frequency Response Working Group is continuing to develop three market models that have been proposed. The next stage in development is for robust analysis to be carried out which has brought into question if the group has sufficient experience to conduct such analysis.
1906. TI noted that revised Terms of Reference have been brought to the GCRP which include European interaction and revised timescales. It is now proposed to report back to the January 2011 GCRP.
1907. CMD noted that any solutions from this group need to feed into the EBSG group to ensure that despatch issues are considered.
1908. **ACTION: TI** Update Terms of Reference to include requirement to inform EBSG of developed solutions.
1909. GN suggested that a yearly interim report requirement should be included in all Terms of Reference to ensure that the GCRP is kept informed of progress. When a group takes longer than a year to complete it is difficult to keep track of progress. The GCRP members agreed with this suggestion.
1910. **ACTION: TD** Include yearly reporting requirement as a standard clause in Terms of Reference templates.
1911. The Panel agreed the revised Terms of Reference.

Harmonics (G5/4)

1912. GS informed the Panel that detailed technical issues continue to be discussed. The main issue continues to be the allocation of rights for harmonics. Next steps are to conduct Cost Benefit Analysis (CBA) on the two different approaches. The discussions so far have not yielded a clear technical answer and a CBA should contribute to the analysis.
1913. The next meeting is planned to take place in December 2011.
1914. The conclusions from this group are not likely prior to January 2012.

BMU Configuration of Power Park Modules

1915. GS noted that the first meeting has been held and a subsequent meeting will be taking place in October and November. It is likely that four meetings in total will be required.
1916. The group is currently at the point of quantifying the issue for both Transmission and Generators. Started to talk about this in the context of offshore and a few changes are going to be brought to the November 2011 GCRP.
1917. SC clarified that the group is not seeking to limit the configurations but rather put provisions into the Grid Code to facilitate configurations.

Revision of CC7.7 (Maintenance Standards)

1918. TI brought a request to the GCRP to amend the Terms of Reference for the Working Group.
1919. The first meeting was held on 13th September 2011. The main issues identified were;

- safety of personnel on site ;
- the differences between England and Wales and Scotland,
- the process for notification of changes to fault levels; and
- the issue of compensation in CC.7.7.

1920. Conclusions so far have highlighted significant impacts on STC hence the request to change the Terms of Reference to create a joint Grid Code / STC Working Group.
1921. MK noted concern around the group dealing with commercial aspects eg cost and compensation, as these are more of a CUSC issue. TI noted that the issue would just be flagged and further developed through any consequential changes to the CUSC.
1922. CMD highlighted that this issue should relate to all Users plant and not just User plant on Transmission sites. There are still issues for Users plant on Users sites and changes on the network can impact other sites.
1923. **ACTION: TI** Remove reference to "Transmission Sites" in the Terms of Reference.
1924. The Panel approved the revised Terms of Reference.

Electricity Balancing System Group

1925. BS gave an update on progress of the Working Group.
1926. The previous meeting was on 19th September 2011. Currently looking at responses to the Industry Consultation and determining if there are suggestions that can be quickly addressed or implemented. A few minor housekeeping changes have been identified and proposed changes will be brought to the November 2011 GCRP.
1927. Two Sub Groups have formed. One looking at IS/IT issues and the other examining multi-shaft BMU modelling. The first group has developed draft Terms of Reference and we are looking for nominations for the second group. Both groups are expecting to have their first meeting before end of 2011.
1928. The next EBSG is on 9th November 2011.

4 Working Group Report

Grid Code Signatories

1929. BV, the Working Group chair, gave a presentation to the GCRP.
1930. GCRP members noted their appreciation at the progression of this issue and supported the Working Group Alternative over the original proposal. It was agreed for Grid Code Signatories to progress to Industry Consultation for a period of 10 business days.
1931. **ACTION: TD** Draft and publish Industry Consultation

5 Industry Consultations

B/11 Provision for communication of system warnings

1932. TI informed the GCRP that a Report to the Authority had been submitted on 20th September 2011. The Industry Consultation had five responses, all of which were generally supportive of the proposals. A CUSC consequential Modification is also being considered by National Grid.

C/11 BM Unit Data from Intermittent Generation

1933. A number of sub topics relating to the wider topic of data from intermittent generation were discussed, these have been summarised below.

• Quality of Wind BMU PNs

1934. EC gave a presentation on benchmarking to measure the accuracy of PN submissions. The Working Group report noted that this work would be looked at.
1935. There was some concern noted by the Panel that working towards a benchmark may provide perverse incentive to drive towards the benchmark rather than the realistic PN. It was explained that National Grid places an obligation to receive accurate PNs and that by using a margin of error against a benchmark could help to improve the accuracy of PNs.

1936. GN noted that the data presented was only about wind and questioned if this is just for wind or is it all types of generation plant. BT noted that it covers all types but due to the nature of wind the PN it is likely to be less accurate.
1937. JN questioned if National Grid is utilising the current PNs being submitted and whether central forecasting would be a more efficient process? EC confirmed that PNs are compared against the forecast that National Grid creates. Currently PN submissions are not more accurate than the forecast, however if the PN submission begins to become more accurate NGET will use the PNs. GS noted that NGET use PNs to meet their obligation to manage the transmission system.
1938. GN noted that there appeared to be three separate issues a) accuracy of PNs in short term for short term forecasting and system operation, b) accuracy of PNs over day ahead for day ahead forecasting and c) accuracy of PNs for purposes of payments under balancing mechanism. The optimal way to deal with these was as follows: a) use persistence forecasting – i.e. for an hour ahead use the current value; b) a single centralised forecast would provide the most accurate forecast from the whole wind fleet; c) the “power available” measure proposed by the C11 WG should be developed.
1939. JB questioned what ‘further action’ would be if PNs were regularly significantly incorrect. EC noted that it is just a concept at the minute and NGET would need to create a meaningful benchmark before any penalties could be conceived.
1940. BT also noted that inaccurate PN submissions can lead to increases in greenhouse gas emissions.
1941. **ACTION: BT/SC** Ensure that benchmarking is captured in Terms of Reference for reconvened Working Group.

• **BMU Data from Intermittent Generation**

1942. BT gave a presentation on reconvening the Working Group.
1943. The Panel noted the presentation and discussed the reforming of the Working Group as was proposed under the following agenda item.

• **Draft ToR for further WG meeting**

1944. SC noted that there were a number of respondents to the C/11 Industry Consultation that had conflicting views with the Working Group and identified discriminatory issues.
1945. The purpose of reforming the Working Group is to address these issues listed in paragraph 7 of the Terms of Reference (pp11/49).
1946. GCRP members noted that they had not seen the responses to C/11 as they had not yet been published.
1947. **ACTION: TI** Responses from C/11 to be uploaded to the website
1948. JB noted that ‘behaviour’ should be replaced with ‘performance’ throughout the Terms of Reference.
1949. JL noted that there were some specific recommendations from the previous group which have not been taken further. JL also questioned if the reporting time of December was realistic.
1950. Post meeting note - the group would need to report to January 2012 GCRP as there is no Panel meeting in December.
1951. One member noted that if the Working Group is established, it could consider a centralised data service to efficiently predict wind speed across the whole of GB as this is likely to be more accurate than individual generators predicting wind speed at their sites. Could also be clear about the submissions eg best guess, highest likely, lowest likely.
1952. JB also noted that we need a holistic approach to solving wind related issues as there are a number of separate issues which impact each other. This piecemeal approach is causing delays to the progression of the overall work and we need to group the

technical issues together to solve as one. DS noted that a full review and combination of all issues may be a significant resource pressure.

- 1953. The Panel agreed for the Working Group to reform and examine the C/11 issues.
- 1954. BT noted that the first meeting would be on 13th October.
- 1955. GN noted that a move to require wind to operate to its PN would lead to wind power being spilled, increasing the cost of decarbonising electricity, pushing up costs to consumers and increasing emissions.
- 1956. SB noted that Ofgem could provide clarity on discrimination. Ofgem are concerned about undue discrimination and it is worth noting the EU treatment of renewable generation compared to conventional plant.
- 1957. **ACTION: BT** Ensure that Working Group develops questions regarding discrimination for Ofgem.
- 1958. **ACTION: SB** Provide an Ofgem contact name to National Grid for any questions arising from the further future Working Group discussions.

D/11 System to generator operational intertripping schemes

- 1959. TI noted through the Industry Consultation process an issue was raised by one respondent regarding potential interactions with the CUSC. It is proposed to raise a consequential change to the CUSC to address the issue. It is expected that this will be taken to the October CUSC Panel.

Emergency Instructions

- 1960. Following recent issues on the system regarding intermittent and inflexible generation the Panel members agreed to add this topic to the agenda for discussion.
- 1961. DS noted that a consultation titled 'Managing Intermittent and Inflexible Generation in the Balancing Mechanism Consultation' was published on 20th September.
- 1962. GN noted that there are similarities between this consultation and the 'Operating the Electricity Transmission Network in 2020' consultation that recently closed.
- 1963. **ACTION: TD** Ensure link is made on National Grid website between 'Managing Intermittent and Inflexible Generation in the Balancing Mechanism Consultation' and 'Operating the Electricity Transmission Network in 2020'.
- 1964. SC updated the panel on the events between 10th and 14th September. National Grid issued Emergency Instructions to manage the system. The circumstances on the day (high wind, system outages and loss of exporting interconnector) all lead to a significant constraint volume.
- 1965. A key issue was that a number of wind farms do not have the necessary EDL communication facilities to submit bid data. These wind farms are in the process of having EDL installed and, as an interim measure to encourage participation in BM, National Grid was accepting bid data by telephone.
- 1966. Due to the circumstances on the day, National Grid had to instruct a number of these wind farms to reduce their output via telephone. However, due to the volume of instructions that were required and the lack of response by some parties, it became too onerous to instruct via telephone, despite additional control room resources, and led to use of Emergency Instructions.
- 1967. Following this event, early thoughts are that NGET will write to all Users without EDL who are submitting bid data and inform them that if EDL is not installed by a specific date then bid data will no longer be accepted. Initial indications are that the date will be 31st December 2011. All bids submitted via telephone after 31st December 2011 would be rejected.
- 1968. JB questioned if those parties who failed to respond gained a commercial advantage through emergency instructions? SC did not believe they did but noted that the internal investigation is still on going.

1969. SC noted that parties were more responsive to the Emergency Instructions and as they are open ended it meant further instructions were not required. It was also noted that the last Emergency Instructions were issued over four years ago.
1970. SC informed the Panel that National Grid have used localised Negative Reserve Active Power Margin (NRAPM) to deal with more recent strong wind. NGET will also use the NRAPM tool to provide awareness and the potential stress on the system. There have also been mitigating options undertaken to ensure that those wind farms exposed to the high winds do not impact the system.
1971. DS asked the Panel to make NGET aware of any industry meetings where they can educate Users on these issues.
1972. JN questioned National Grid's interpretation of the Grid Code for the treatment of Emergency Instructions (BC2.9.2.3) as Bid-Offer Acceptances (BOAs) only within the current BM window. National Grid noted that the BSC appears to only permit Emergency Instruction to be treated as BOAs up to the close of the BM window although the Emergency Instruction is generally issued as an open ended instruction.
1973. SC notes that the Grid Code has a number of examples of Emergency Instructions, the BSC describes the compensation mechanism as up to the end of the Settlement Period in which the Emergency Instruction is issued and there is no payment following that Settlement Period. JL noted confirmed that this appears to be the current rules and that Elexon are looking into the issue.
1974. The Panel proposed that a meeting is set up to examine the Emergency Instructions issues. SC/JL/CMD/JN indicated that they would like to attend.
1975. **ACTION: TD** Arrange a meeting to examine the issues surrounding Emergency Instructions.

6 Pending Authority Decisions

A/10 Generator Compliance

1976. SB informed the Panel that a Report to the Authority had been received on 12th August 2011. Issues with the legal drafting have been identified and Ofgem are in conversation with National Grid to address issues. It is anticipated that the Final Authority Report will be resubmitted following the resolution of identified issues which will reset the clock start on the Authority's KPIs.

E/11 Reactive Despatch Network Restrictions

1977. SB informed that a Report was received 5th September 2011 and the KPI date is for a decision to be made by 10th October 2011. SB suggested that a decision will be made within the Authority's KPI timescales.

B/11 Provision for Communication of System Warnings

1978. SB informed the Panel that a Report to the Authority had been received on 20th September 2011. It is expected that a decision will be made within the Authority's KPI timescales.

7 Outstanding Grid Code Development Issues

Consultation Papers & Development Issues

1979. There were no comments regarding Table 1 of the paper.
1980. Comments related to Table 2 can be found under their respective headings below. One member did note that Hybrid Voltage Controls was absent from the Table 2 list.
1981. **ACTION: TD** Add Hybrid Voltage Controls to the list of development issues.

Protection Fault Clearance Times and back-up protection

1982. TD noted that no progress had been made on this as there were other higher priority issues being progressed. Review again in 6 months.

Grid Code Structure Review

1983. TD noted that no progress had been made on this as there were other higher priority issues being progressed. Review again in 6 months.
1984. There is the potential to examine this issue further with the publication of Issue 5 of the Grid Code but this will be determined following the publication of a decision on A/10.

Power Park Module Extensions

1985. TD noted that no progress had been made on this as there were other higher priority issues being progressed. Review again in 6 months.

Codification of Generic Requirements currently included in Bilateral Agreements

1986. TI noted that conversations have been had internally to address the issue of removing wording from the Bilateral Agreements and moving it to the cover letter.
1987. AF noted he had recently received revised Bilateral Contracts whose Appendix F contained alternative wording that differed from the proposed wording discussed at the previous GCRP meeting. TI stated that he was unaware of these changes and confirmed that they had not resulted from any previous discussions at any GCRP meetings and would investigate.
1988. **ACTION: TI** Examine the recent BCAs (and their associated appendices) that have been sent out and report back to the Panel.

Control Telephony Electrical Standard (Scotland)

1989. TI noted that he had recently looked into this issue and had been discussing the scope of existing STC Procedures although as these only cover the TO to TO control interface there may be a requirement for a standard which applies to the User to TO interface.

Short Circuit Ratio Review

1990. TD noted that no progress had been made on this as there were other higher priority issues being progressed. Review again in 6 months.

Voltage Fluctuations

1991. GS gave a presentation to update the GCRP. Currently examining the technical issue and the impact of voltage fluctuations whilst looking at what other countries have done. Current proposal relates to rapid voltage change.
1992. RL noted that there is an issue around whether or not the system will continue to be designed to 3% or whether it will be designed to 10%. Today network events may cause excursions above 3% but if we move to 10% will we see 11/12/13%? RL highlighted that we need to ensure that any change doesn't result in a quality of supply issue which has a detrimental impact on network customers.
1993. RL noted a concern with respect to maintenance operations where 4 events/day are allowable. Where there are sites with multiple wind turbines, and/or situations where there are geographically close sites connected to the same network, customers may be exposed to significant voltage excursions repeated over several days.
1994. JN questioned if there were any implications for the offshore network and / or the STC. GS agreed to consider.
1995. MK noted that the paper should be clear that we are not trying to change the underlying performance; simply to make clear what is acceptable and compliant.
1996. SB asked if there is there a trade off between cost and performance. Will lower cost mean lower performance? GS explained that if the criteria is not correct there could be an issue. SB asked if 3% - 10% could be a grey area rather than having a definite 10%? Also questioned if there could be an incentive for voltage fluctuation?
1997. **ACTION: GS** Draft Industry Consultation taking into account points noted at GCRP.
1998. The GCRP agreed that the paper should be circulated to the Panel ahead of proceeding to an Industry Consultation for a period of 20 working days.

8 Approval of Minutes

July 2011 GCRP

1999. The GCRP members had no further comments on the minutes and approved them for publication.
2000. **ACTION: TD** Upload these on to the National Grid website.

9 Review of Actions

Summary of Actions

2001. All actions were complete unless noted below.
2002. Minute 1782 - GN noted that the Sub-Synchronous Resonance paper is to be published in November rather than October.
2003. Minute 1796 - SC explained that a draft Industry Consultation had been drafted but was based on incorrect assumptions. Will redraft and circulate around the Panel prior to November GCRP.
2004. Minute 1835 & 1836 - On going
2005. Minute 1846 & 1847 - On going
2006. Minute 1853 - SC is seeking nomination for the workshop
2007. Minute 1870 - DS confirmed that industry experts cannot be seconded onto the ENTSO-e drafting team. DS will be asking someone from ENTSO-e to attend the JESG.
2008. Minute 1661 - SC noted that the issue is continuing to be discussed with NS. Next trial will involve instructing the TO/DNO to change the tap point of the GSP transformer. NS will be trialling this in a few sites in the next few weeks, to see what benefits / disadvantages are.
2009. JM noted that there should be a standing item on the GCRP Agenda regarding Space Weather.
2010. **ACTION: TD** Add Space Weather topic to November agenda and liaise with Garth Graham for an update to circulate to the Panel.

10 Standing Items

European Network Codes

2011. DS informed the GCRP that there was no new update regarding the European Network Codes.

Joint European Standing Group

2012. DS noted that a Headline Report² has been circulated following the first meeting which took place on 10th August 2011. The next meeting is taking place on 12th October 2011. It was also noted that there is now a European Network Codes website³
2013. There was a workshop on 15th July 2011 hosted by National Grid/OFGEM/DECC and those slides are available on the new ENC website.

11 Issues

RoCoF Report

2014. SC presented the Annual Summary Report for Significant System Events which highlights events that may lead to RoCoF event. The report currently highlights one event on 19th April 2011 at Peterhead.

² <http://www.nationalgrid.com/NR/rdonlyres/024CF1DA-DEF5-4473-9535-913079A96D75/48638/JESGHeadlineReportv11.pdf>

³ <http://www.nationalgrid.com/uk/Electricity/Codes/ENCDev1/>

2015. GN asked if it was possible to include an estimate of system inertia into the report given the importance highlighted through the Frequency Response Working Group.
2016. **ACTION: SC** Investigate possibility of including an estimate of system inertia in the report.
2017. CMD questioned why the event on 23rd May 2011 is missing. This event led to an islanding scenario in which the frequency increased to ~50.8Hz. SC agreed that this was a significant event but due to the scope of the RoCoF was not captured. Once the power island was created, National Grid had no view of the frequency within the island, the RoCoF report currently only reports events that National Grid has view of. MK expressed concern that there was no frequency available in the power island. The Panel agreed that the report should include system events.
2018. **ACTION: SC** Liaise with appropriate DNO and circulate any available information regarding this islanding event.
2019. This discussion prompted the Panel to remind National Grid that although the report is titled RoCoF it has long been the wish of the Panel to see reports of all significant system disturbances and any consequential effects on distributed generation.
2020. **ACTION: SC** Look into renaming the report and clarifying its scope.

Multi-shaft CCGT Summary

2021. Paper not submitted to the Panel as it was not yet available.
2022. **ACTION: SC** Circulate summary paper once available.

12 Impact of Other Code Modification or Developments

BSC

2023. JL informed the GCRP that at the August BSC Panel, Black Start was discussed and it was agreed that there is a gap in the codes for local events that do not warrant shutting the whole market.
2024. A paper on BMRS zones was also reviewed and it is agreed that next year the BMRS Zones will align with the 17 SYS zones.

CUSC

2025. DS informed the GCRP that CAP189 was submitted to the Authority and subsequently returned the Working Group through the 'Send Back' process to address issues identified in the legal text during the Draft CUSC Modification Report consultation. CAP189 will be resubmitted to the Authority shortly.
2026. The Code Administrator Consultation for CMP199 (Reactive Despatch Network Restrictions) closes on 3rd October and deals with the CUSC elements of the Grid Code Modification E/11 (Reactive Despatch Network Restrictions).

Cross Codes Forum

2027. TD noted that the last Cross Codes Forum was held on 16th September 2011. Discussions centred on Europe and half hourly data consultations that Elexon are running.

Operational Forum

2028. The Panel asked that this item be completed by circulation.
2029. **ACTION: TI** Circulate the slides from the most recent Operational Forum.

13 Any Other Business

Generator Build

2030. TD informed the GCRP that a due diligence review of the Generator Build changes enacted by the Secretary of State on 31st December 2010 is being conducted. It is the intention to bring a minor modification to the November GCRP to progress changes to the Grid Code.

Outages

2031. CMD questioned if there are any lessons to be learned from the cancellation of the Sloy busbar outage. This outage should have started on 11th July 2011 but was cancelled at very short notice. This resulted in the generator taking an outage for their works and will now need to take another outage when the Sloy bus bar outage is rescheduled.
2032. SC noted that the DNO in the area had a fault on the two circuits that were going to move the generation out of the area which resulted in the Sloy bus bar outage cancellation. A breakdown in communication between the TOs meant that this was informed at very late notice.
2033. **ACTION: TI** Take Sloy busbar outage issue to the STC Committee and seek a response.

Grid Code Issue 5

2034. TI informed the Panel that if A/10 is approved it will result in Issue 5 of the Grid Code being published as the changes are throughout the Grid Code.
2035. National Grid will also be taking the opportunity to address some of the formatting issues that have been identified in previous editions of the updates. The revision reference will be removed and each section will become a standalone document for easier printing.

Code Administrator

2036. TI noted that National Grid will be bringing a new Code Administrator role to the GCRP. This role will aim to improve the governance of the Panel and provide guidance on governance issues.

GCRP Chair

2037. DS informed the GCRP that Ian Pashley will be the new Panel Chair from the November meeting.

14 Next Meeting

2038. The next meeting is planned for 17th November 2011 at National Grid House, Warwick.