

Minutes

Meeting name	Grid Code Review Panel
Meeting number	55
Date of meeting	16 th May 2012
Time	10:00am - 4:00pm
Location	National Grid House, Warwick, CV34 6DA

Attendees

Name	Role	Initials	Company
Ian Pashley	Chair	IP	National Grid
Thomas Derry	Secretary	TD	National Grid
Robyn Jenkins	Presenter	RJ	National Grid
Shafqat Ali	Presenter	SA	National Grid
Nick Sargent	Presenter	NSa	National Grid
Bec Thornton	Member	BT	National Grid
Graham Stein	Member	GS	National Grid
Steve Curtis	Member	SC	National Grid
Audrey Ramsay	Member	AR	National Grid
John Morris	Member	JM	EDF Energy
David Carson	Member	DC	SP Power Systems
Alan Barlow	Member	AB	Magnox
Barbara Vest	Member	BV	Energy UK
John Lucas	Member	JL	Elxon
Steve Brown	Member	SB	Ofgem
Campbell McDonald	Member	CM	SSE Generation
Mike Kay	Member	MK	ENW
Guy Phillips	Member	GP	E.ON UK
John Norbury	Alternate	JN	RWE
Alastair Frew	Alternate	AF	ScottishPower
Jim Barrett	Alternate	JB	Centrica
Sigrid Bolik	Alternate	SBO	REpower

Apologies

Name	Role	Initials	Company
Guy Nicholson	Member	GN	Senergy Econnect
Dick Lewis	Member	DL	SONI
Alan Creighton	Member	AC	Northern Powergrid
Alan Kelly	Member	AK	SPT
Tom Davies	Member	TDA	Magnox
Brian Punton	Member	BP	SHETL
Neil Sandison	Member	NS	SSE
Richard Lowe	Alternate	RL	SHETL
Kathryn Coffin	Alternate	KC	Elxon
Shijun Yi	Alternate	SY	Ofgem
Alan Michie	Alternate	AM	SPT
Gordon Kelly	Alternate	GK	ScottishPower
Xavier Pinchaux	Alternate	XP	RTE

1 Introductions & Apologies

2464. The Chair welcomed the group and the apologies were noted.

2 Approval of Minutes

a) March 2012 GCRP Minutes

2465. The Panel approved the minutes for publication.

2466. **ACTION: RJ** Upload minutes on to the National Grid website.

3 Review of Actions

a) Summary of Actions

January 2012 GCRP

2467. Minute 2353 - TD informed the Panel that the January 2012 GCRP Minutes have been uploaded. This action is completed and can be closed.

Information on Small Embedded Generation and its Impact on Transmission System Demand

2468. Minute 2359 - TD informed the Panel that draft terms of reference for this Workgroup have been submitted (pp12/26) to the May 2012 GCRP. This action is completed and can be closed.

Fault Ride Through

2469. Minute 2365 - GS noted that an industry workshop to expand on the options and discuss the issue is to be arranged shortly. This action remains ongoing.

2470. Minute 2369 - TD noted that a link to the Electronic Public Register has been circulated to the GCRP. This action is completed and can be closed.

Grid Code Signatories

2471. Minute 2267 - TD informed the Panel that the Workgroup section of the Grid Code website has been updated to explain why the issue was closed. This action is completed and can be closed.

Significant System Events Report (previously RoCoF Report)

2472. Minute 2303 & Minute 2305 - SC informed the Panel that NGET have circulated a draft version of the 2012 Significant System Events Report which includes the North of Scotland islanding (23 May 2011) event. This completes both actions and they can be closed.

2473. Minute 2016 - SC noted that including an estimate of system inertia will be examined as part of putting together the 2012 Significant System Events Report. This action remains ongoing.

2012/13 Membership

2474. Minute 2347 - TD informed the Panel that an invite had been sent out to Suppliers through Elexon and National Grid is awaiting responses. This action is completed and can be closed.

2475. BV noted that to widen the awareness Nigel Cornwall could be approached to include this in the Supplier Forum that Cornwall Energy host.

2476. **ACTION: TD** Contact Nigel Cornwall to inform suppliers of the invite at the Supplier Forum.

OC8 – Safety management of three position GIS earth switches

2477. Minute 2045 - TD noted that a draft of the Industry Consultation had been circulated and requested that any comments be provided by 30th May 2012. This action is completed and can be closed.

Codification of Generic Requirements currently included in the Bilateral Agreements

2478. Minute 2383 - TD noted that a paper (pp12/28) on this topic had been submitted to the Panel. This action is completed and can be closed.

Voltage Fluctuations

2479. Minute 2385 - TD noted that a draft copy of the Industry Consultation had been circulated to the GCRP for information. GS requested that Panel members review the Voltage Fluctuation paper and provide any comments.

2480. **ACTION: ALL** Review and provide comments back to GS before July 2012 GCRP.

Offshore Wind Farms Not Connected To An Offshore Transmission System

2481. Minute 2390 - SC noted that comments had been received from AF which addresses the issue in a more simplified manner and requires minimal changes compared to the original drafting. This action is completed and can be closed.

2482. JB noted that the impacts on this issue from the European Network Codes need to be considered.

2483. **ACTION: SC** Update paper following comments from AF and circulate to GCRP.

Two Shift Limits

2484. Minute 2395 - TD noted that a paper (pp12/30) with the industry views had been submitted to the May 2012 GCRP. This action is completed and can be closed.

Seven Year Statement & Offshore Development Information Statement Review

2485. Minute 2400 - TD noted that the information from KO had been circulated. This action is completed and can be closed.

Special Actions

2486. Minute 2409 - SC noted that a paper is being drafted to take to the Operational Forum. This action remains ongoing.

2487. SC currently updating colleagues within National Grid on the new process and proposes writing to parties affected by changes to policy.

Grid Code Connection Conditions for Small Embedded Power Stations

2488. Minute 2225 - SC confirmed that invitations will be circulated shortly and that the terms of reference for the Workgroup have been drafted. Action remains ongoing.

BM Unit Data from Intermittent Generation

2489. Minute 2426 - TD noted that a draft copy of the Workgroup Report had been submitted to the May 2012 GCRP. This action is completed and can be closed.

2490. It was noted that the Workgroup Report proposes clarification of definitions and BC2.5.1 regarding the obligation to follow Physical Notifications by generators powered by an intermittent power source. The Workgroup also recommends a further Workgroup be established to look at a 'power available' signal and the provision of Maximum Export Limit based on predicted and actual wind speed.

2491. CMD questioned if it was possible to pull together the various streams examining intermittent generation issues into one group. IP noted that National Grid is looking to pull issues together in a more coordinated way and recognise that there are a number of elements that need to be considered.

European Network Codes

2492. Minute 2446 - TD noted that a link to the current European consultations had been circulated to the GCRP. This action is completed and can be closed.

Space Weather

2493. Minute 2453 - SC noted that copy of the fax had been circulated to the GCRP and that currently the BMRS is not capable of providing the warnings. This action is complete and can be closed.

2494. It was noted that this is something that could be changed but GCRP Members did not see value in having the warning sent via BMRS. All Users and Generators would receive the fax to give warning of an anticipated incident.

2495. It is assumed that Users will evaluate their position and make a decision on how to proceed once they receive the fax. JN noted that the fax needed to be in the form a system warning and agreed to provide comments on the form of the fax to SC.

2496. **ACTION: JN** Provide comments to SC on the form of the fax.

2497. Members raised a number of queries about the E3C report that is going to be published by NGET and how this will be made available to Users to help them assess the risks to their equipment in the event of a Geomagnetic Storm. NGET replied that the report will be made available to Users on a bilateral basis. It was also questioned if there were any minutes available from E3C meetings, BV noted that Energy UK are part of the E3C and agreed to investigate if there are any minutes that are published.
2498. **ACTION: BV** Investigate if there are any minutes from the E3C meetings available.
2499. **ACTION: SC** Investigate if National Grid can hold an information session on Geomagnetic Storms.

4 New Grid Code Development Issues

a) High Wind Speed Shutdown - Terms of Reference

2500. GS presented the paper pp12/25 to the Panel.
2501. It was noted that these Terms of Reference are based on the discussion that took place at the High Wind Speed Shutdown Workshop. Timescales left to be determined by the Workgroup based on their initial assessment of the issues.
2502. SBO noted that the Workgroup needs to take patents into account as this is an area of technology that has a lot of patents. It is important for industry representatives to be involved and bring this knowledge to the Workgroup.
2503. Comments submitted by GN were noted. CMD agreed to submit comments on the Terms of Reference to GS as there was concern that the proposed requirements seem to be replicating data that is already submitted by wind farms. Concern was expressed on the benefit gained from delivering the proposed changes.
2504. **ACTION: CMD** Provide comments to GS on Terms of Reference.
2505. JN noted that the Workgroup should also review the existing BM data provided by generators in respect of PPMs to ensure that data requirements are not duplicated (e.g. MEL).
2506. **ACTION: GS** Update Terms of Reference based on comments.

b) Information on Embedded Small Power Stations - Terms of Reference

2507. GS presented the paper pp12/26 to the Panel.
2508. GS noted that the purpose of the Workgroup is to determine the information National Grid needs from DNOs regarding small embedded power stations when planning and developing the transmission system.
2509. CMD noted that the membership in the Terms of Reference will need to be revised if it is determined that generators should be involved with the Workgroup.
2510. The Panel approved Terms of Reference
2511. **ACTION: GS** Update Terms of Reference and seek membership.

5 Existing Grid Code Development Issues

a) Issues Summary

2512. TD informed the Panel that the issues for discussion at this meeting have been listed on the agenda.

b) Codification of Generic Requirements currently included in Bilateral Agreements

2513. GS presented the paper pp12/28 to the Panel.
2514. JN thanked NGET for producing the paper and agreed that changes should not be made through the CUSC process but noted that what would be useful is for generators to be able to understand what the technical requirements are likely to be in the Bilateral Agreement. He suggested that a few illustrative templates be published on NGET's web site accompanied by a note that generators could request a specific template copy in advance of submitting a Modification/Connection Application to see what might be required rather than have all the templates published.

2515. CMD noted that it also gives generators an idea of what might be included in an Appendix F if they were to submit a Modification Application. The Panel also noted the usefulness of the table produced in the paper and asked for this to be made available.
2516. GS suggested that the next steps are to select a number of specimen templates to publish in an appropriate form along with an explanatory document.
2517. **ACTION: GS** Arrange for publication of illustrative templates and an explanatory document which includes the aforementioned table.

c) Delegation of Authority (DOA) for Busbar Switching Contracts

2518. RJ informed the Panel that the process of updating DOA contracts is ongoing and as the issue was originally brought to the GCRP for information the issue should be removed from the GCRP until further progress has been made.
2519. JN expressed an interest in this topic and RJ agreed to provide a contact.
2520. **ACTION: RJ** Provide JN with a contact to discuss Delegation of Authority Contracts.

d) Constant Terminal Voltage

2521. GS noted that this issue is still on hold on the issues list and informed the Panel that further progress and a paper will be brought to the September 2012 GCRP.

6 Workgroups in Progress

a) Grid Code Connection Conditions for Small Embedded Power Stations

2522. SC informed confirmed that invitations will be circulated shortly and that the terms of reference for the Workgroup have been drafted.

b) Frequency Resilience of the Total System

2523. GS noted that a draft terms of reference (pp12/29) had been submitted. This version of the Terms of Reference is post DCRP discussions and feedback.
2524. The Panel approved the terms of reference and it was agreed to update the Panel on progress at the November 2012 GCRP.
2525. **ACTION: GS** Update Terms of Reference with MK and seek membership.

c) Frequency Response

2526. TD gave an update on progress since the March 2012 GCRP. The Workgroup last met on 05 April 2012 where they continued reviewing the draft of the Workgroup Consultation. One more meeting is expected to finalise the paper ahead of Industry Consultation.

d) Harmonics (G5/4)

2527. GS gave a presentation¹ to the Panel. It was noted that the group is waiting for technical assessment work to be completed before holding the next meeting.
2528. The presentation outlines a proposal to include milestones within the bilateral agreements in Appendix J. NGET plans to implement proposed approach for England and Wales connections with further discussions required to develop a GB wider approach. It was noted that if the assessment is not completed to schedule, it could impact the construction programme by having it within the Appendix J of BCA.
2529. JN expressed concern with the proposal that OTSDUW parties would be required to carry out harmonic assessment at the onshore connection point, especially since this obligation falls on NGET and not the onshore generator when similarly connecting to an onshore connection point. Given the likelihood that NGET would be asked to carry out the assessment by the OTSDUW under this proposal, it was suggested that it would be more efficient for National Grid to be required to undertake the harmonic assessment as opposed to OTSDUW parties. NGET's view was that OTSDUW have the obligation to do the harmonic assessment and National Grid cannot do it as it is not a licensed activity at the minute.

¹ <http://www.nationalgrid.com/NR/rdonlyres/43A5B7DC-C790-4BE7-8713-83F4885A8299/54050/GCRPG54draft.pdf>

2530. Members noted that the Workgroup need to consider who will do the work, not just what the work is that needs to be done.

e) BMU Configuration of Power Park Modules

2531. GS informed the Panel that a draft has been circulated to the Workgroup and the GCRP for visibility. The Workgroup is currently progressing to conclude by the end of June 2012.

f) Electricity Balancing System Group

2532. NS gave a presentation² to the Panel covering progress to date and responses from Industry Consultation.

2533. It was noted that it is proposed to remove the references from the Grid Code relating to Two Shift Limit, following the majority response from the Industry Consultation to not formalise TSL. SA noted that this is still being discussed by the EBSG and the recommendations have not been finalised yet but once they are finalised this will be brought to the GCRP in the form of a workgroup report by the EBSG.

2534. JB and BV noted that this is still an issues for smaller generators and that there is still no clear solution to the issue for these parties.

2535. SB questioned if there was another way of addressing the issue as the results of the consultation were close and there was a clear divide between small and large generators.

2536. **ACTION: TD** Arrange meeting to discuss TSL with the appropriate parties to determine next steps, outside of the EBSG.

g) Revision of CC.7.7 (Maintenance Standards)

2537. BT informed the Panel that there was still a legal issue which requires a review of final text before the Workgroup Report can be completed. It was noted that the Workgroup report will be circulated if complete before the next GCRP otherwise it will be submitted as a paper to the July 2012 GCRP.

7 Workgroup Report

a) BM Unit Data from Intermittent Generation

2538. SC informed the Workgroup Report is still with the Workgroup for final comments.

2539. JL noted that it appeared the recommendation of the Workgroup related to MEL was not being progressed and suggested that this should form part of the CBSG, as this is where Power Available is being discussed.

2540. The Panel Members noted some confusion over the structure of the CBSG and their role for taking forward changes to multiple codes.

2541. **ACTION: RJ** Circulate CBSG Terms of Reference to GCRP Members for information.

2542. **ACTION: RJ** Produce summary and explanation of Standing Groups for the GCRP.

8 Industry Consultations

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

2543. TD informed the Panel that the Industry Consultation was published on 05 March 2012 and closed on 26 March 2012. There were five responses received and National Grid is currently considering the responses.

2544. GS stated that responses were generally supportive to the change proposal but raised other issues which warranted further discussion. These issues need to be discussed before progressing to a Report to the Authority but more information will be brought to the July 2012 GCRP.

2545. **ACTION: GS** Report on progress of further discussions at the July 2012 GCRP.

9 Pending Authority Decisions

² <http://www.nationalgrid.com/NR/rdonlyres/D7F11B58-6B8F-426B-BBDE-545C844CAA0A/54051/GCRPTSLPRESENTATIONNS.pdf>

a) A/10: Generator Compliance

2546. TD informed the Panel that NGET had submitted A/10 to the Authority but there were concerns on the legal drafting. There have been a number of discussions between Ofgem and NGET regarding these concerns and these have now been resolved.
2547. NGET is finalising the Report to the Authority which includes the conversations held between NGET and Ofgem. An open letter will also be published to inform the industry of the A/10 discussions.

b) B/10: RISSP

2548. TD informed the Panel that NGET had submitted B/10 to the Authority but there are concerns that the impact on Offshore parties has not been drawn out in the report. There are also a few reference errors that need to be addressed. NGET is currently working towards addressing the concerns raised by the Authority.

c) D/11: System to generator operational intertripping schemes

2549. TD informed the Panel that the report was submitted to the Authority for a decision on 16 April 2012.

d) F/11: Generator Build Due Diligence Review

2550. TD informed the Panel that the changes from F/11 were implemented in Issue 4 Revision 12 of the Grid Code on 15 May 2012.

10 Standing Items

a) European Network Codes

2551. IP noted that Capacity Allocation and Congestion Management (CACM) is open for consultation until 23 May 2012. ENTSO-E will hold a stakeholder workshop on 3 July 2012 to inform stakeholders on how the comments received as part of the consultation will be taken into account.
2552. Requirements for Generators (RfG) consultation had several thousand comments submitted; work is currently ongoing to address comments. JN noted that RfG could impact existing E&W generators through retrospective application and questioned the visibility of the assessment process to be carried out by NGET, as indicated in a letter dated 11th April 2012. IP noted that NGET is planning on making the assessment available once we have more clarity of the European Network Codes.
2553. The Demand Connection Code (DCC) call for evidence closed on 09 May 2012 and responses are currently being considered.

b) Joint European Standing Group

2554. BV informed the Panel that the last JESG was held on 1st May 2012. It covered RfG, DCC, CACM, Electricity Balancing Framework Guidelines and System Operator Framework Guidelines.
2555. JESG have amended meeting timetable in light of ENTSO-E meetings. Next JESG is planned for 13 June 2012.
2556. A DCC workshop is going to be held in Warwick on 16th July with a JESG being held in Warwick on 17th July 2012.
2557. A RfG workshop is being held on 26th July 2012 to go through the changes and give industry the opportunity to discuss the issues list and possibly submit additional comments to ACER. Session will also give industry an indication of next stage of European process.

c) Space Weather

2558. TD informed the panel that work has been ongoing over the past months within National Grid (assisted by the British Geological Survey) to consider the data provided by generators last autumn. DECC has arranged a workshop on Wednesday 16th May at which National Grid will be presenting some of the high level results from their work and considering what, if any, the next steps might be. It is hoped to report back the broad finding from the DECC workshop in due course to stakeholders.

d) CBSG update on Intermittent Generation

2559. IP noted that this has been covered previously within the agenda.

11 Impact of Other Code Modification or Developments

2560. IP suggested that for future GCRP meetings this section would be discussed by exception. The Panel agreed that this is a pragmatic way forward.

a) BSC

2561. JL informed the Panel that a BSC Panel meeting was held recently on 10th May 2012 but there is nothing to highlight for the GCRP.

2562. It was also noted that P276 'Introduce an additional trigger/threshold for suspending the market in the event of a Partial Shutdown' has gone to Report phase for Consultation.

2563. The paper submitted by National Grid regarding the BM Pricing issue brought to the March 2012 GCRP has been submitted to Elexon and is now being considered as Standing Modification Group Issue 44. The group is currently looking for members.

b) CUSC

2564. IP noted that a number of charging modifications have been raised recently but nothing to note for the GCRP.

c) Cross Codes Forum

2565. TD informed the Panel that the last Cross Codes Forum that was held on 20 April 2012 via teleconference and it was primarily a question & answer session.

d) Operational Forum

2566. The last Operational Forum was an interim meeting which was held on 12 April 2012 with the next full meeting taking place on 19 June 2012³.

12 Any Other Business

2567. BT noted that there needs to be a focus on the forward planning of Workgroups to ensure there are adequate resources available. Propose to bring a summary of projected resources to the July 2012 GCRP.

2568. CMD noted concern that operational planning at the year ahead stage under OC2 is lacking but perhaps the European Network Codes will resolve the issues. IP noted that if it is a cross TSO issue then the STC is best placed to deal with the concerns. National Grid will review the situation and determine appropriate forum to address issues raised by CMD.

2569. JB questioned how the industry can take a more consolidated approach to issues. SB agreed to talk to the markets teams within Ofgem to see what their view of the future is.

2570. **ACTION: SB** Talk to Markets Team and bring back appropriate information.

13 Next Meeting

2571. The next meeting is planned for 18 July 2012 at National Grid House, Warwick.

³ <http://www.nationalgrid.com/uk/Electricity/Balancing/operationalforum/2012/>