

Minutes of SQSS Review Panel Meeting

Minutes

Meeting Name	SQSS Review Panel
Meeting Number	10
Date of Meeting	4 December 2013
Time	10:00 - 12:00
Location	National Grid House, Warwick, CV34 6DA and Teleconference

Attendees

Name	Role	Initials	Representing
John West	Chair	JW	
James Cooper / Nick Martin	Secretary	JC/NM	
Graham Stein	Member	GS	National Grid SO
Mark Perry	Member	MP	National Grid TO
David Carson	Member	DC	SPT
Brian Punton	Member	BP	SHET
Bless Kuri	Member	BK	SHET
Alan Creighton	Member	AC	Distributors (Nominated by ENA)
Guy Phillips	Alternate	GP	Generators (Nominated by AEP)
Sean Kelly	Member	SK	OFTO
Mike Lee (Only for GSR014 discussion)	Alternate	ML	OFTO
David Lyon	Alternate	DL	OFTO
Sheona Mackenzie / Angelita Bradney	Authority Rep.	SM	Ofgem

Invitees

Name	Role	Initials	Reason for Invite
Ben Marshall	Invitee	BM	GSR017 Modification
Biljana Stojkovska	Invitee	BS	GSR014 Modification

Apologies

Name	Role	Initials	Representing
Cornel Brozio	Member	CB	SPT
Simon Lord	Member	SL	Generators (Nominated by AEP)
Jim Tame	Member	JT	OFTO

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1 Introductions & Apologies

The apologies were noted.

Angelita Bradney was introduced by SM as she will be taking over the Ofgem rep role.

Guy Phillips attended this meeting for generators on behalf of Simon Lord.

Nick Martin was introduced as the secretary going forward, to replace James Cooper.

2 Approval of Minutes

- **October 2013 SQSS Review Group Minutes**

The panel approved the minutes for publication.

The following changes were agreed for this meeting and for the production of the minutes going forward:

As suggested by AC, it was agreed that to increase clarity, the year would be included on the action updates at each meeting. Some items have stretched beyond a year and the current format was becoming confusing.

As per SM's request, the GSR011 item has been moved from Agenda Item 9 (Authority Decisions) to Item 6 (Workgroups in Progress) as this is more representative of its current state.

3 Review of Actions

a) New

Action	Description	Action Owner	Due Date
10.1	SSTI/SSR - GS is to convene an initial teleconference for an expert group. This would include a wider invitation to the industry. Further proposals would follow at the next meeting.	GS	Next meeting
10.2	Interconnectors – BP, MP to advise nominees from SHET and NGET TO for GSR012.	BP/MP	20/12/13
10.3	Switch Faults - BP and DC to provide nominations from SPT and SHET for GSR017.	BP/DC	20/12/13
10.4	BS/ML to update the GSR014 report with sensitivities (including cable length) and detail the conflicting views on SQSS drafting.	BS/ML	20/12/13

b) Carried Over

Action	Description	Action Owner	Due Date
7.3 GSR011	<p>Ofgem to confirm by the end of June if the revised GSR011 report submitted in May answers the queries raised</p> <p><i>Update 07/08/13:</i> SM has one further query which will be submitted on 07/08/13. This will be addressed by NGET ahead of the next meeting, whereupon the Panel will vote on whether to proceed with this modification.</p> <p><i>Update 02/10/13:</i> NGET are currently addressing the further query submitted by SM</p> <p><i>Update 04/12/13:</i> Further analysis of overhead line fault information is progressing to address SM's query. Response to SM to be provided by 3rd January.</p>	JW/JC/NM	03/01/14
8.7 GSR010	<p>DC to provide briefing on remaining GSR010 technical issues.</p> <p><i>Update 04/12/13:</i> DC has provided a briefing paper to the</p>	DC	20/12/13

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	workgroup with comments due by 13/12/13. A final copy is due to be completed by the 20/12/13 for Panel circulation.		
8.8 GSR010	<p>NGET to arrange teleconference on CUSC aspects of GSR010 changes. Look to get Simon Lord involved.</p> <p><i>Update 04/12/13:</i> Telecon arranged for 18/12/13 between DC, SL, JW, BP and Andy Wainwright (NGET Charging).</p>	JW	18/12/13
9.1	<p>JW to speak to DL/ML to discuss possibility of OFTO representation on ECCAF.</p> <p><i>Update 04/12/13:</i> An SQSS Panel member has not yet been identified for ECCAF. SK confirmed that he or ML couldn't prioritise this given other commitments. DL agreed that he would also find it difficult to make time and asked for clarification of the commitment. JW to check this and follow up with DL.</p>	JW	20/12/13
9.4	<p>BM and JW to finalise GSR010 case studies before speaking to DC.</p> <p><i>Update 04/12/13:</i> Not yet complete</p>	BM/JW	20/12/13
9.5	<p>VH to circulate Bath University information to GSR016 workgroup members</p> <p><i>Update 04/12/13:</i> Not yet complete</p>	VH	20/12/13

c) Completed

Action	Description	Action Owner
2.5 GSR012	<p>Establish a working group to drive the Treatment of Interconnectors analysis forward.</p> <p><i>Update 20/11/12:</i> To be discussed further with Paul Plumtre and next steps to be determined ahead of next meeting.</p> <p><i>Update 22/01/13:</i> A European Ranking Order is required to establish likely interconnector flows. This has not been forthcoming. For the next meeting a document will be drafted outlining why progress can't currently be made, and outlining the options.</p> <p><i>Update 03/04/13:</i> See also agenda item. AH/VH/SK and Paul Plumtre to provide clarity on interconnector treatment.</p> <p><i>Update 05/06/13:</i> Paul Plumtre has commenced producing the note on options for planning treatment of interconnectors. This will be reviewed by Sean Kelly, and circulated to the Panel upon completion.</p> <p><i>Update 07/08/13:</i> See agenda item 6b. Following appointment of Stewart Whyte as new chair, new Terms of Reference will be drafted and circulated to the Panel, membership and timescales confirmed and the group will be reformed.</p> <p><i>Update 02/10/13:</i> The Terms of Reference are near to completion and are to be circulated to the Panel shortly. Additional participants in the Working Group will be requested.</p> <p><i>Action complete - The workgroup has been setup; Additional members are needed but this will be tracked via Workgroup Item</i></p>	SW (NGET)

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Action	Description	Action Owner
8.3 GSR015	GS to draft GSR015 consultation and circulate to the Panel for approval at the next meeting (these timescales were to be confirmed in a discussion between SM and GS) <i>Update 02/10/13:</i> GS had hoped to circulate a draft consultation to the Panel prior to the October Panel but is expecting to get it finalised and circulated in the next couple of weeks. This may need to be followed up by a telecon or could go straight out to consultation. <i>Action complete</i>	GS
9.2	GS to draft modification proposal and text for submission to the December 2013 Panel meeting regarding SSTI/SSR issue <i>Action complete</i>	GS
9.3	VH to circulate a formal workgroup invite in respect of treatment of switch faults, together with Terms of Reference and work already undertaken. <i>Action complete</i>	VH
9.6	DL to forward Jim Tame's contact details onto National Grid in advance of him becoming the replacement OFTO representative for GSi <i>Action complete</i>	DL

4 Discussion Items

None

5 Modification Proposals

a) Subsynchronous Torsional Interactions (SSTI) / Subsynchronous Resonance (SSR)

GS presented. This was brought to the Panel because SSTI/SSR risks need to be managed in the deployment of series compensation and HVDC, both of which are part of the transmission companies' plans. The Grid Code Review Panel paper PP13/54 has raised questions regarding how transmission licencees address these issues and whether more explicit SQSS obligations were required.

It is proposed to convene an expert group of system users and transmission licencees to more fully assess the technical and regulatory position. If necessary, a SQSS workgroup and T.O.R would be proposed to the next SQSS Panel.

The proposal was supported by the Panel. To form the expert group, GP as well as the SPT and SHET members will nominate representatives to support GS. GS will also issue an open invitation to the industry. It is likely that the expert group will consider both Grid Code and SQSS aspects.

BP asked if suitable data has been requested from users via the Grid Code. GS answered that modification A12 requires new generators to provide such information, and for existing plants it is requested on as-needed basis.

ACTION: GS to convene an initial teleconference for the expert group. This would include a wider invitation to industry representatives.

6 Workgroups in Progress

a) Review of Onshore Entry Criteria – GSR010

See also on-going Actions 8.7, 8.8 and 9.4.

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GP highlighted that this modification is of significant interest to the generation industry and given the concerns raised in the consultation, timely progress would be valuable. He asked if additional interested parties could be involved in the teleconference regarding charging on 18/12/13. It was agreed that it would be prudent to first review the charging position ahead of a wider discussion. JW undertook to consider another call with interested parties after 18/12/13.

DC has produced a briefing pack on the remaining technical issues and practical aspects of implementing the modification and circulated to the Workgroup and JW. Final comments from the Workgroup are required by 13/12/13, and within a further week a final copy will be available for JW to consider and circulate.

It was agreed that resolution of the remaining GSR010 issues are needed to provide a clear way forward. Based on the outcomes of the on-going actions, a broader discussion will be held at the next Panel meeting on progressing this modification.

b) Offshore – GSR011

Work is progressing to review recent fault events and to confirm that the assumption that single circuit faults occur evenly throughout the year is reasonable. Results should be available by January. It was confirmed that once this action is discharged, the next step is for the Panel to formally approve the paper again at the next meeting and return to Ofgem for a decision.

c) Interconnectors – GSR012

The Terms of Reference were circulated with a request for member nominees, but none have been forthcoming. SK agreed to continue to be involved, BP will supply a nominee from SHET, an NGET TO rep will be identified (clarification; although Peter Stanton was mentioned in the meeting, he is actually the GSR016 rep) so an initial meeting can now be arranged. SM also provided details for two Ofgem correspondence members (Reuben Aitken and Matthew Grant).

SK noted it may be useful to formally contact RTE for information on the French process, but this will be taken up within the GSR012 group.

ACTION: BP, MP to supply nominees from SHET and NGET TO for GSR012

d) Offshore Transformer Bay Requirements – GSR014

ML and BS joined the meeting for this discussion and to present the workgroup findings. The workgroup was addressing a lack of clarity around the connection of offshore wind farms to the onshore grid, and in particular, where there are two cables and transformers from the offshore connections, whether it would be more cost effective to provide one or two transformer bays at the onshore grid substation. The report was circulated prior to the meeting. ML noted there were some very minor drafting changes to be made, but that these would not materially affect the report. The conclusion of the workgroup was that, irrespective of connection size, two bays was a more cost effective solution.

MP noted that there will be a small number of occasions where one substation bay is the most economically viable option (for example, when a second bay would require a new substation build). Accordingly, a change had been suggested to the proposed SQSS text to allow a one bay option where this is justified by CBA analysis. This was on the basis that it shouldn't be necessary to seek a derogation to deliver less than the normal criteria where this is the most economical solution.

The proposal to adjust the SQSS wording to allow for a lower level of security where this is economically justified had only been raised in the last few days and the workgroup have not had a chance to consider it fully. Nonetheless, given the workgroup finding that the provision of two bays is generally the more cost effective solution for the cases studied, BS and ML did not think the proposed change was needed and the derogation route would provide a better route to address those cases where a second switch bay was not economically justified. It was not possible to reach consensus on this issue and it was agreed that the conflicting views would be documented in the Workgroup report, and then the Panel will take a decision on how to progress.

It was further agreed that while sensitivities around cable length had been carried out, these were not discussed in the report, so description of these will be added by BS.

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ACTION: BS/ML to update the GSR014 report with sensitivities (including cable length) and detail the conflicting views on SQSS drafting.

e) Dealing with unrealistic plant scaling factors, and inclusion of embedded wind in SQSS Chapter 4 studies – GSR016

An initial meeting has been held at which it was agreed that the workgroup will not be changing the plant scaling factors, but focussing on the embedded issues. The T.O.R has been updated on the website and the minutes of that meeting also uploaded. Fortnightly conference calls have been arranged.

f) Treatment of Switch Faults in Operational Timescales – GSR017

The T.O.R has been agreed, the workgroup can commence once members have been identified. This issue is most applicable to onshore T.Os hence the membership of this group will reflect that. Subject to nominations, an initial meeting will be convened.

ACTION: BP and DC to provide nominations from SPT and SHET

7 Industry consultations

a) Normal Infeed Loss Issues – GSR015

The consultation is almost finished, closing 6/12/13 with an intention to submit a report to the Authority soon after. SM highlighted that it may not be possible to approve a licence change in time for 1 April 2014 but that it will be possible to clarify what the outcome will be ahead of this date.

8 Modification Reports

None

9 Pending Authority Decisions

a) GSR008-1

SM confirmed this is still pending.

10 Standing Items

None

11 Any Other Business

a) Face to face Review Panel meetings

The meeting dates for 2014 were confirmed. It was agreed that two face to face meetings will be held in 2014; The April meeting will take place in Glasgow, hosted by SHET, while later in the year a meeting will be held in Warwick. Given the possibility that not all parties will be able to attend these meetings in person, both meetings will retain a teleconference facility.

12 Next Meeting

This will be a teleconference on 5th February 2014 from 10:00 – 12:00