

JOINT PLANNING COMMITTEE

Minutes

Thursday 23rd June 2016
Teleconference & WebEx

Attendees:

Brian Punton	SHET	David Adam	SPT
Julian Leslie (Chair)	NGET	Craig McTaggart	SPT
Keith Dan	NGET	Sade Onajobi	NGET
Stuart Boyle	NGET	Nick Harvey	NGET
James Whiteford	NGET	Peter Simango	NGET
		Vivien Hobbs (Technical Secretary)	NGET

Apologies:

Mark Perry

1. Apologies for Absence

- 1.1. Received from Mark Perry

2. Safety Moment

- 2.1. JL shared a safety moment regarding driving in changing weather, from bright sunny into heavy downpours with lots of water on the road, sometimes quite deep. A reminder to make sure screen is kept clear, water bottles are topped up. Also to be aware that Cruise Control should be switched off when travelling in the rain particularly through patches of water on motorways where you may be travelling faster as there is a risk of aquaplaning.

http://www.motoring.co.uk/car-news/iam-driving-tips-heavy-rain_35347

3. Sign off minutes from last meeting

- 3.1. Minutes were reviewed, accepted and signed off.

4. Review actions from last meeting

Actions were reviewed. Completed, ongoing and new actions are identified on the attached Actions Register. The following follow-up / ongoing actions identified:

- 4.1. **1013-01 Action:** Concerns remain on the sensitivity of data required in order for OTSDUW parties to undertake their necessary studies for compliance. – Rolling forward to next meeting with an aim to draw a conclusion at the next meeting.
- 4.2. **042915-02 Action:** WORDING AMENDED: Nick Harvey and SO to liaise to ensure relevant elements of Offshore Coordination and Interconnectors are captured in ToR for JPC-IP
- 4.3. **042915-12 Action:** SQSS Treatment of Interconnectors. Progress on SQSS mod appears to have stalled. JL to follow-up. Clarity needs to be worked into the SQSS for treatment of interconnectors as it does not provide guidance regarding assessment on required infrastructure.

230616-01 New Action: SO work with Contracts Team to work on a piece of guidance for SQSS Treatment of Interconnectors.

- 4.4. **100615-04 Action:** JL to speak with Ofgem to see if can share IOTP report. *Action closed but a link to the report to be sent out with next set of minutes.*
- 4.5. **100615-05 Action:** NH to lead on agreeing approach to HVDC. *Action closed with JPC-IP to draft a set of words setting out the standard.*

- 4.6. **100615-11 Action:** DA to raise a relevant grid code modification relating to the Grid code DRC schedule of what data can be shared which currently restricts TOs from having generator charts. This additional information is required to enable the TOs to accurately model their networks. Common application of volts. There has been a proposal from NGET to change the voltage unbalance figure, currently set in the Grid Code to 1% for E&W and 2% for Scotland to 1.5% GB wide. For NGET moving from 1% to 1.5% is a relaxation but for Scotland moving from 2% – 1.5% is a tightening of requirements. The impacts of this have not been assessed and it could potentially trigger reinforcement works.

5. Sub-Group Reports

5.1. JPC-OA – JW

- 5.1.1. Last meeting 11th Feb. Discussed realigning the timeline for submission of longer term data. Aim to conduct high level studies to optimise the plan longer term with the ambition to feed into the potential new SO/TO funding mechanism. To identify opportunities in the longer term or reduce outages by more strategic outage planning in terms of additional services that the TO might be able to provide.
- 5.1.2. Hope to build the capability to do some of these studies longer term and have begun that for Yr2. In the next meeting plan to address issues with the detail of the models in the longer term timeframes and if there are any particular outage combinations identified so far that could be realigned. At three points during the year there would be an update of the data from Yr3 – Yr8 to conduct some high level studies.
- 5.1.3. Currently looking at what the funding mechanism might look like from an engineering and financial viewpoint. A couple of working groups have been set up with different representation across NGET and the TOs. Expectation that in late Summer Ofgem will consult the industry on how this mechanism might work with a view of getting something in place by April 2017 for future planning years.

5.2. JPC-Modelling – PS

- 5.2.1. The modelling subgroup is currently focussed on the ETYS data exchange. There is currently an issue around the sharing of performance charts which is being addressed by this subgroup and also an issue regarding sharing of information around Western Link HVDC which is being looked into.
- 5.2.2. JL raised a concern about sharing of HVDC capability and modelling and how we can operate a fully integrated network if the entire network can't be modelled with the proper performance of how the elements operate.
- 5.2.3. DA highlighted that HVDC is just one element and that up to date models for all machines throughout the GB network including models for stability studies as well need to be shared. There is a need to ensure the processes are working and Wk24 data is being received in a complete and timely manner which isn't happening at the moment.
- 5.2.4. BP suggested that the later PSSE models can be shared but the sensitivity arises with the earlier PSCAD models.
- 5.2.5. DA confirmed that for interconnectors there is a clause in their contract which requires them to share their models and that it is covered in the Grid Code. The sharing of models particularly TO owned HVDC, between the SO and TOs, and sharing of WK24 data is the issue.

230616-02 New Action: BP to clarify what the position is in sharing the models with the SO and TOs regarding Caithness Moray as this project is approaching.

- 5.2.6. KD suggested that as we have prepared Interpretations of the models maybe we could share that instead. For GB studies we would need to consider what parameters need to be defined within the simulation. What the DSL would be for us in PowerFactory then the interpretation of that in PSSE or a standardised format.

230616-03 New Action: SB to investigate why we can't share data about one of our circuits and consider the use of interpretations in future model sharing.

- 5.2.7. DA suggested that there should be some caution used due to contractual terms around Western Link which are limited and to include legal representation.
- 5.2.8. JL warned that the pressure is on in terms of timing as projects are moving forward at pace.
- 5.2.9. DA raised the requirement again for a register/tracker of Wk24 data for connected parties of when they have submitted their Wk24 data to NG, what they've submitted and when that has been passed on the TO. This is to ensure the data flows are working. The register to be maintained by the modelling group and shared at the JPC would be very useful.

230616-04 New Action: KD to forward clause that allows a "no change" submission to Wk24 data

230616-05 New Action: SB to create a Wk24 register to create visibility around data received and when forwarded on.

5.3. JPC-IP – NH

- 5.3.1. Items covered in the last meeting were:

- STC modification timetable (16-1 and 21)
- HVDC Guidance for 2016 (where there is a disparity between the SQSS and Actual Studies over a number of years) to ensure consistency over the next year
- Debate regarding a potential derogation requirement on B6 – derogation in place currently but question over whether it will be required in future and if it should be extended – all parties to discuss and report back on what generation is being seen in the background in light of C&M arrangements
- Discussion around SQSS Security Criteria where scaling is greater than 1
- NOA ToR which is on the agenda.
- Generation backgrounds which in on the agenda

6. NOA Terms of Reference – NH

- 6.1. Still to be finalised as comments are still coming in.

230616-05 New Action: Add NOA ToR to next meeting agenda

7. Bol Document Revisions – NH

- 7.1. NH shared updated JPC-IP approved Bol documents with the JPC for sign-off

230616-06 New Action: BP and DA to confirm approval of Bol document revisions via email

8. Setting up of Generation Backgrounds for new connections – NH

- 8.1. Issue raised at JCP-IP around setting up generation backgrounds for Chapter 2 Studies. The concern was that different organisations may be using different approaches in terms of how they set up their generation background. Seeking to understand what those differences are and should there be a common approach or standard in terms of upcoming assessments.
- 8.2. BP believes it is worthwhile for all three TOs and the SO to agree some Guidance note and common approach for the wider system when assessing new connections.
- 8.3. KD referred to SQSS 2.8.5 which asks for a reasonable interpretation of what could occur during a year of operation.
- 8.4. NH raised the use of PBAT to set up generation backgrounds, but noted it's not used by the other TOs. PBAT is a probabilistic generation modelling tool which looks at historic generation running patterns and does a Monte Carlo type simulation.

230616-08 New Action: JPC-IP to lead on finding a common approach to setting up of generation backgrounds for new connections and report back on progress to the JCP

230616-09 New Action: NH to share presentation material and underlying principles of PBAT

9. Update from GSR16 Scaling Factors Working Group – BP

- 9.1. Upcoming meeting set for 6th July. In addition to reassessing GSR16 they will also look at GSR22 and the scope and ToR for the wider SQSS Economy and Security scaling factors.

10. FES Scenario – DA

- 10.1. Agenda item was set to discuss and agree the scenarios to be used in ETYS, however those discussions have now taken place and Gone Green is being used following the provision of FES Scenarios by the FES and discussion with Ofgem regarding NOA.

11. Single Model for Future System Analysis – SB

- 11.1. SB shared a presentation with the JPC. GB Master Model has E&W and the OFTO networks for all years but only the current year for Scotland which causes issues.
- 11.2. DA and BP feel the ETYS data sets provide the best view of how the network will look and that PLDs should not be used for modelling purposes.
- 11.3. DA suggested the area to improve was to tighten up and smooth out the existing data exchange process.
- 11.4. DA suggested the use of SIM for data exchange and BP felt this was worth further investigation. NH felt that a reflection of the TOs models need to be created which can be used and set up quickly by the SO so that analysis can be carried out to fulfil our current and future obligations coming through from Ofgem. BP agreed but also highlighted that this was not an easy task as the tools aren't yet available.

230616-10 New Action: BP to set up a working group through the JCP-Modelling subgroup to look at data exchange

12. Northern Security SITREP – JL

- 12.1. Modelling again causing the issues on this, leading to late delivery on some of the analysis. Key deadline is to get the report to the Scottish Government by September. On track but will be tight. BlackStart is of concern to the politicians. The new SEAB is expected on the 12th July with the Scottish Cabinet so messages will be firmed up before then. Request the TO reps sitting on the SEAB

board support Cordi when she presents and we will be working with the TOs ahead of that so you feel able to provide that support. It's been a huge piece of work with great collaboration and thanks go out to everyone involved in that process.

- 12.2. DA asked if questions raised by the ILG had been responded to. JL is aware that a response document was being drafted.

230616-11 New Action: JL to chase and share Northern Security Questions Response Document

13. Embedded Generation Update – JL

- 13.1. Now in the process of making all the changes worked through over the last 12 months part of Business as Usual and enhance the data collections. For example for the DNOs there is now an Appendix G which goes out with the BCAs on grid supply offers. The Appendix G lists the current connected embedded generation and the future contracted generation. The advice to the DNOs is that if the total MW stays roughly the same and the technology type is roughly the same they can update us each month as to the movements within that Appendix G list for which there is a threshold that they should come and talk to us about if it goes over. Once the proof of concept has been realised with the current set of DNOs that have signed on to the process we will look to roll it out across the rest of GB.
- 13.2. This can now be removed from the agenda as a rolling item.

14. Update on proposals for strategic wider works

14.1. NGET – JR

Nothing to report

14.2. SPT – DA

- 14.2.1. Proposal on Dumfries & Galloway. Working with NG on the economics of the various options which is progressing.

14.3. SHE Transmission – BP

- 14.3.1. Kintyre-Hunterston Project – completed earlier this year
- 14.3.2. Caithness-Moray is proceeding to plan. On track to complete mid-2018.
- 14.3.3. Western Isles & Shetland potential SWWs. The need cases are being prepared on the Island links to the Western Isles and Shetland and should be in a position to submit towards the end of the year.

15. Joint projects

15.1. SPT - DA

- 15.1.1. Series Compensation is continuing to progress. Two West Coast capacitors are commissioned (Moffat and Gretna). Eccles capacitor commissioned but remains out of service pending completion of protection changes. The second series capacitor at Eccles is due to be commissioned in early August.
- 15.1.2. Sub-synchronous oscillation protection equipment now installed at Hunterston and Torness
- 15.1.3. Torness-Eccles cable upgrading progressing – due to complete August 2017
- 15.1.4. East West 400kV upgrade between Strathaven-Smeaton is underway and due to complete August 2016
- 15.1.5. Western Link – in terms of Hunterston converter station works almost complete – due to complete Spring 2017

15.2. SHE Transmission

Nothing to report

15.3. NGET

Nothing to report

16. Reports from other working groups

16.1. ENSG – BP

16.1.1. No meeting since the last JPC.

16.2. SQSS – DA

16.2.1. No update other than GSR16 and GSR22 raised earlier in the meeting

16.3. STC – JL

16.3.1. Alex Thomason new chair of the STC.

16.3.2. Licence obligation to get the STCs affected by the implementation of ITPR updated by August which is on track.

16.4.ENTSO-E – BP

No update

17. Any Other Business

17.1. PLDs – SO

17.1.1. SHET & SPT have confirmed PLDs will no longer be provided for embedded generators. This may be an issue for us due to the current and upcoming volume of embedded generation not just from a modelling perspective but also due to PLDs triggering the Mod Notice. This is being discussed in more detail at the JSDL. JL re-emphasised the importance of NG being able to properly model the network and asked the TOs for any support that can be given either to put pressure on the DNOs or find other ways for us to get the information is very much appreciated.

17.2. Future format of JPC meetings – VH

17.2.1. General agreement that WebEx has worked well and that as meetings are running to about 2hrs in duration a face to face meeting every quarter is unnecessary in terms of travelling time and expense and the added value of being able to get experts to those meetings.

17.2.2. The format will now run with each alternate meeting being a WebEx with each face to face meeting continuing to alternate between the three TOs.

18. Dates of next meeting

18.1. October 2016 – Blantyre

18.2. January 2017 – WebEx

18.3. April 2017 – Newbridge

18.4. July 2017 – WebEx

18.5. October 2017 – Warwick

18.6. January 2018 - WebEx