

Joint Planning Committee – North Planning Subcommittee

Tuesday 22nd October 2013
SPT Offices, Glasgow

Attendees:

Brian Punton	SHET	Mike Barlow	SHET
David Adam	SPT	Dave Carson	SPT
Mark Perry	NGET	Andy Hiorns	NGET
Keith Dan	NGET	Kelvin Lambert	NGET
Richard Proctor	NGET	Stephen Nyemba	NGET
Xiaoyao Zhou	NGET	Bieshoy Awad (Technical Secretary)	NGET
Duncan Hughes	NGET	Vivien Hobbs	NGT

Apologies

Stewart Whyte NGET

1. Sign off minutes from last meeting

- 1.1. Minutes were reviewed, accepted, and signed off. An up to date version is attached to this document.

2. Review actions from last meeting

- 2.1. Actions were reviewed. The following follow up actions were identified:

1013-01: Confirm Ofgem's position on the arrangements OFTO's have to ensure confidentiality of information and business separation. If no clear response has been received from Ofgem, we need to raise the point again with them. **BA**

- 2.2. OFTO membership and quorum were discussed. OFTOs will have compulsory membership for the JPC and for the NPSC/SPSC but attendance is not required for the quorum. A minimum of one OFTO is required for the SPSC. One representative of each Onshore TO is required to attend the meeting.

3. Sign off the Terms of Reference for the JPC and the Subgroups

- 3.1. The ToRs for the Modelling, Offshore Coordination, Project Coordination and Progress Review, ETYS Coordination, and Investment Planning subgroups were signed off.
- 3.2. SN gave an overview of the changes made to the ToRs of the Operational Assessment subgroup. DA mentioned that the OA Subgroup should feed back views from current year onto the Investment Planning subgroup and suggested that this should be made explicit.

1013-02: remove 'might be because' from last sentence of Impacts. **KL/SN**

- 3.3. The ToRs refer to years 3 to 8. A question was made on whether this should be extended to cover years 1 and 2 as well as this might cause some discontinuities.

1013-03: Make a view on whether the OA subgroup should covers all years apart from current year or not. **KL/SN**

3.4. Above issues holding up the sign off of the ToRs for the OA subgroup.

1013-04: KL to liaise with GW and SM to decide if STCP 11.1 and STCP 16.1 are better kept separate or not. **KL/SN**

4. An update on PLDs

4.1. NGET PLDs are in progress 9 PLDs for the load related projects have been complete. SHET PLDs first four years done with rest on track for end of the year. SPT need a fair bit of work, aiming for end of year.

4.2. PLDs are exchanged through the Data Coordinator – Stephen Driver – at Wokingham, who would forward the information to the relevant parties.

4.3. The data included in PLDs was discussed.

4.4. The Modelling subgroup uses the R, X and B data.

4.5. Is impact on Users sufficient? PLDs flag that there is an impact on a Transmission System User. The scope of impact would be clarified via discussions between the SO and the TO.

4.6. PLDs are particularly important where connection assets are affected – e.g. for asset replacement.

4.7. PLDs provide only high level information on outages and these might not be best placed in a PLD. These are also communicated via TORIs and TOCAs. It is difficult to keep track of duplicate information.

1013-05: NGET to clarify what outage information in PLDs are used for and what data are required to be included in a PLD to facilitate the job of outage planners. **SN**

1013-06: NGET to clarify if any additional information are required by the Modelling Subgroup. **XZ**

5. Icelandic Interconnector

5.1. There have been some discussions with Julian Lesley and Sarah Millmore about an interconnector to Iceland. Landing point need to be chosen to achieve an economic and efficient design, A CION process may need to be used. A joint study would be required. Any potential conflict of interest need to be managed

1013-07: NGET to confirm the status of the interconnector application and the scope of discussions had so far. **AH**

6. Active Network Management Schemes

6.1. SHET update:

6.1.1. A local scheme for Loch Luichart windfarm is due for commissioning by the end of October. It is a fairly complex scheme to allow transmission access ahead of the completion of Enabling Works. The experience gained will support the development of the wider system B1 scheme. Existing SCADA infrastructure will be used for communications which allows quicker deployment.

- 6.1.2. The ANM Scheme will use short term ratings.
- 6.1.3. AH referred to dynamic line ratings and that these may be used to increase the utilisation of available assets. Schemes monitor line vibrations to measure clearances and hence provide a way to enhance the rating of the line by some additional 70%.

1013-08: NGET to provide information on Dynamic Line Ratings. **AH**

- 6.1.4. BP noted that the overcurrent protection settings might be a limiting factor.
- 6.1.5. BA mentioned that the local loch Luichart scheme may limit the ability of other generators to provide Ancillary Services. This should be avoided in order not to disadvantage other users. BP advised that SHET relies on NGET to provide input in such areas.

1013-09: NGET to provide any requirements on the ANM scheme urgently. **BA**

- 6.1.6. BP requested a clarification from NGET on what the wider system ANM Scheme will be used for.

1013-10: NGET to clarify the main application of the wider system ANM scheme. **BA**

- 6.1.7. BP highlighted some commercial concern about stance of access to system via ANM schemes.
- 6.1.8. SPD is looking at some ANM type schemes on the distribution networks. SPD's scheme will be looking on some constraints on the transmission system.
- 6.1.9. Some non-firm schemes in SPT's area, e.g. Kilgallioch, might use ANM type schemes. BA requested that we start considering the operational and technical aspects of the schemes.

1013-11: NGET to initiate discussions with SPT in relation to the Kilgallioch ANM scheme and other similar schemes. **BA**

- 6.1.10. There are debates on whether ANM schemes are dispatching generation and hence taking over some of the SO roles.

7. Report back from the Subgroups

7.1. Coordination and Progress Review

- 7.1.1. BA reported that the meetings have been taking place regularly. In addition, there are similar meetings within NGET to increase the level of coordination between NGET – as a TO and the Scottish TOs.
- 7.1.2. A comment was raised on that, where one TO triggers works in another TO's area, options need to be considered. BP commented that this might not be feasible within the three months period but can be achieved after an offer has been accepted.
- 7.1.3. There has been a back log of the NGET/SPT projects that has not been fully discussed between both TOs which had caused some issues during the commissioning of Moffat Substation. These projects have been identified.

The South West strategic reinforcements are being discussed between NGET and SPT. The Strathaven/Harker reconductoring and the Hawick reconfiguration works are currently parked. BA mentioned that Strathaven/Harker reconductoring is Enabling Works for some connection offers.

1013-12: SPT to confirm whether Starhaven/Harker works are still required with the change of the generation background. **DA**

7.1.4. BA mentioned that NGET have not got the full visibility of and non-load related SPT projects that might trigger works in England and Wales due to not having seen the PLDs. DA responded that Planning Request will be used to process SPT schemes that affect another TO, rather than a PLD. DA cited Chapelcross. PLD on the other hand, will identify if works are triggered on a User's system.

7.1.5. DA requested an update on the Chapelcross Planning Request and the Longannet Intertrip Planning Request.

1013-13: NGET to confirm the status of the Chapelcross planning request. **BA**

1013-14: NGET to liaise with SHET to decide on the scope of works required under the Longannet Intertrip planning Request. **BA/BP**

7.1.6. DA mentioned Construction Planning Assumptions - none received since July.

1013-15: NGET to update the Construction Planning Assumptions as soon as practicable. **KL/BA**

7.1.7. There are some problems to take outages because there is no ability to control some embedded generators. BELLAs and smalls have an impact. This needs to be feed back within NGET (Pat Hynes) for discussions about controlling generation and what level of capacity is to be built. SQSS revision on DNO week 24 submissions is expected to be in place by next year

1013-16: NGET to update on the Grid Code modification in relation to W24 Submissions. **BA**

1013-17: NGET to start the discussions internally on this the embedded generation issues. **AH**

7.2. Modelling group (Xiaoyao Zhou)

7.2.1. Two main issues that face the Modelling subgroup are the lack of PLDs and the use of two models within NGET.

7.2.2. There are concerns with ENTSOE models; Scottish Network model is not available. SHET is facing problems uploading models onto the ENTSOE website.

7.2.3. It was pointed out that the ENTSOE models are currently limited to load flow data only. Complications will arise when moving to dynamic models as this

would involve the User's plant data to be available for 3rd parties. Use of generic model might be an option.

7.3. ETYS coordination (Richard P)

7.3.1. Going to publisher on 4/11/13. Some information is still required from the TOs.

1013-18: NGET to specify dates and milestones, and provide clarity on what is required from the TOs. RP

7.3.2. RP advised that the relevant ETYS chapter will be sent to the TOs by the end of the week and that subgroup meeting will be scheduled for next week.

7.4. Offshore coordination (Keith Dan)

7.4.1. KD advised the meeting frequency changed from 3 monthly to 6 monthly but this is a typing error. A review of STCP 18.1 is being undertaken. CION may be split into two distinct parts. Icelandic Interconnection has not been considered.

7.4.2. AH concern about Brian Taylor's means to pursue voltage control.

1013-19: NGET to check concerns about voltage control. KD

7.4.3. We need to get comfort on the OFTO studies and designs in relation to harmonic filters. Also there might be some reliability issues with the filters at the transmission interface points. There is no redundancy on the filter requirements and a filter outage might cause issues.

7.4.4. OC subgroup needs to work with OFTOs to clarify the concerns and propose a code change if required

1013-20: OC subgroup needs to work with OFTOs to clarify the concerns and propose a code change if required. KD to liaise with Graham Stein

7.5. Operational Assessment (Stephen)

7.5.1. Proposed meeting in first week of December, but assumed that ToR would be approved today. ToRs should not delay the first meeting.

7.6. General

7.6.1. STC/STCP changes - KL is having discussions with Milroad from SPT, leading to updated time line. All subgroup leaders to advise on timelines for STCP changes, NB ETYS.

1013-21: Subgroup leaders to advise on the timeline for STC/STCP changes. Subgroup leaders

8. An update on proposals for Strategic Wider Works and joint projects

8.1. MB advised that SWW criteria have just been issued.

8.2. SHET is updating the submission for the Caithness Moray HVDC link to include risks associated with HVDC and other AC alternatives – including shorter AC sub-sea cable option.

- 8.3. Western Isles is affected by EMR strike prices.
- 8.4. East Coast 400kV - conclusion on the need case is due but a later date is suggested. Blackhillock Kinkardine is the 1st phase of this project. This is a joint project between SHET and SPT. The second phase is Denney Wishaw which is an SPT project. AH mentioned that the focus is on timely investment.
- 8.5. SW Scotland - design works still ongoing. Eastern end not concluded yet. Delivery is towards the end of RIIO T1. There might be some interactions with the Eastern Link.
- 8.6. Series compensation is in the baseline and is explicitly identified in SPT's licence to be complete by 2015.
- 8.7. Major consents and way leaves in place at the southern end for the Western HVDC. Completion is likely to be towards the end of 2016.
- 8.8. Hunterston land issue affects both HVDC link and the Kintyre cable plans. The substation is scheduled for completion towards the end of 2015.
- 8.9. SSR/SSTI studies (done by Siemens) are ongoing. Data are sought from generators. The Grid Code modification will cover new generators only.

1013-22: NGET to update on any ongoing assessments on SSR and filters. **XZ**

- 8.10. Wylfa Pembroke and Hinckley Point C may be submitted as SWW.

9. Reporting from other Working Groups

- 9.1. ENSG:
 - 9.1.1. The output from ETYS will be fed into the ENSG projects milestones.
- 9.2. SQSS:
 - 9.2.1. Meeting is scheduled for the start of the month.
 - 9.2.2. Previous working group reviving criteria for switch faults. Looking for further clarity on what NGET covers operationally. Vandad Hamidi is putting the ToRs for this group.
- 9.3. GSR010 is in consultation

1013-23: SPT to provide a briefing note on GSR10 to BP. **DC/DA**

- 9.4. GSR016 looks at modelling for small embedded generators. Scaling factors for embedded wind needs to be specified. Vandad Hamidi is leading for National Grid.

1013-24: NGET to ensure that DA and BP are involved in the discussions. **BA to liaise with VH**

- 9.5. STC:
 - 9.5.1. The subgroups need to advise on any modifications for the STC/STCPs. We need to decide on how to manage any conflicts between STCPs and NAP.

9.6. ENTSOE:

- 9.6.1. HVDC code is progressing including internal codes to individual TSOs. Monitoring, compliance not needed.
- 9.6.2. There has not been much progress on Demand Code since last meeting.
- 9.6.3. ENTSOE might opt for having dedicated resources.
- 9.6.4. There will need to be a sign off for the Cost Benefit Analysis for projects between different TSOs – including storage. However, Ofgem's view might be different.
- 9.6.5. Project of common interest would give extra benefits for consents and funding but they have to come through TYNDP and would need to carry out CBA.

10. 33kV Assets

- 10.1. When part of transmission, affecting workloads for planning etc, various views have been raised by Market Operation. There are concerns about safety rules etc. BP advised that in some occasions, a 33 kV solution is the most economic and efficient. A review of this going on.

1013-25: NGET to share views with SPT and SHET. **BA**

11. 1800MW Risk

- 11.1. DC raised a question on whether managing the 1800 MW risk is on transmission system on a minute by minute would provide a compliant solution. There is a question on how the scheme would work.

12. Imports to Scotland

- 12.1. Studies are ongoing.

13. High voltage

- 13.1. Falling reactive demand is pronounced in Scotland as well as England and Wales. Reduction visible in groups with little embedded generation too. This is experienced in other countries too.
- 13.2. NGET is issuing Planning Request to SHET and SPT to look on voltage issues
- 13.3. SPT shunt reactor replacements. SPT sought a list of sites for reactive compensation from Wokingham, produced a list.
- 13.4. Investment Planning subgroup should include a work stream on voltage control.

1013-26: NGET to issue the voltage control Planning Request to SPT. **KL/BA**

1013-27: Investment Planning Subgroup to add Voltage Issues on the agenda for the next meeting. **SW**

- 13.5. Voltage control capability of offshore networks may provide additional options. This will be dependant on Grid Code obligations. A Grid Code change may be required to facilitate this.

14. Boundary of Influence

- 14.1. BA highlighted the need to revise the Bol between TOs to account for changes in the network. AH advised that this should be done under the Investment Planning Subgroup.

1013-28: Investment Planning Subgroup to add Bol on the agenda for the next meeting. **SW**

15. Date of next meeting

- 15.1. 14th of January 2014

List of Actions

Action Ref:	Action	Action by
1013-01	Confirm Ofgem's position on the arrangements OFTO's have to ensure confidentiality of information and business separation. If no clear response has been received from Ofgem, we need to raise the point again with them.	BA
1013-02	remove 'might be because' from last sentence of Impacts	KL/SN
1013-03	Make a view on whether the OA subgroup should covers all years apart from current year or not	KL/SN
1013-04	KL to liaise with GW and SM to decide if STCP 11.1 and STCP 16.1 are better kept separate or not	KL/SN
1013-05	NGET to clarify what outage information in PLDs are used for and what data are required to be included in a PLD to facilitate the job of outage planners	SN
1013-06	NGET to clarify if any additional information are required by the Modelling Subgroup	XZ
1013-07	NGET to confirm the status of the interconnector application and the scope of discussions had so far	AH
1013-08	NGET to provide information on Dynamic Line Ratings	AH
1013-09	NGET to provide any requirements on the ANM scheme urgently	BA
1013-10	NGET to clarify the main application of the wider system ANM scheme	AH
1013-11	NGET to initiate discussions with SPT in relation to the Kilgallioch ANM scheme and other similar schemes	BA
1013-12	SPT to confirm whether Starhaven/Harker works are still required with the change of the generation background.	DA
1013-13	NGET to confirm the status of the Chapelcross planning request	BA
1013-14	NGET to liaise with SHET to decide on the scope of works required under the Longannet Intertrip planning Request.	BA/BP
1013-15	NGET to update the Construction Planning Assumptions as soon as practicable	KL/BA
1013-16	NGET to update on the Grid Code modification in relation to W24 Submissions	BA
1013-17	NGET to start the discussions internally on this the embedded generation issues.	AH
1013-18	NGET to specify dates and milestones, and provide clarity on what is required from the TOs	RP

1013-19	NGET to check concerns about voltage control	KD
1013-20	OC subgroup needs to work with OFTOs to clarify the concerns and propose a code change if required.	KD to liaise with Graham Stein
1013-21	Subgroup leaders to advise on the timeline for STC/STCP changes	Subgroup leaders
1013-22	NGET to update on any ongoing assessments on SSR and filters.	XZ
1013-23	SPT to provide a briefing note on GSR10 to BP	DC/DA
1013-24	NGET to ensure that DA and BP are involved in the discussions	BA to liaise with VH
1013-25	NGET to share views with SPT and SHET	BA
1013-26	NGET to issue the voltage control Planning Request to SPT	KL/BA
1013-27	Investment Planning Subgroup to add Voltage Issues on the agenda for the next meeting	SW
1013-28	Investment Planning Subgroup to add Bol on the agenda for the next meeting	SW