

JOINT PLANNING COMMITTEE

Minutes

Date:	13/08/2020	Location:	Teleconference
Start:	10:15	End:	12:00

Attendees

Via Teleconference	Company	Via Teleconference	Company
James Greenhalgh (Chair)	NGESO	Roddy Wilson	SHET
James Whiteford	NGESO	Colin Foote	SPT
Richard Proctor	NGESO	Mark Perry	NGET
Jingchao Deng	NGESO	Richard Mather	NGESO
Lilian MacLeod	NGESO	Paul Obanor (Tech Sec)	NGESO
Nicola Bruce	NGESO		

1. Apologies for Absence

Bless Kuri

2. Safety Moment

JG stated that we have a lot of adverse weather conditions ranging from 34 degrees of sunshine to heavy downpours with thunder and lightning, this makes traveling on the roads quite tricky so we should endeavour to take great care when we decide to travel.

JG added that due to COVID 19, we should all continue to be aware of the safety controls put in place.

3. Sign off minutes from last meeting

Minutes of last meeting were reviewed and accepted.

4. Review actions from last meeting

Actions were reviewed. Completed, ongoing and new actions are identified on the attached Actions Register. The follow-up / ongoing actions identified are within the "ONGOING" tab of the actions spreadsheet – where actions have been amended or follow-up actions identified text is displayed in bold BLUE.

KEY: NEW ACTION UPDATED ACTION

UPDATED ACTION 260718-07: LM – Ongoing, Cheng Chen will be dealing directly with the HVDC centre to see if they can come up with a template together.

UPDATED ACTION 240719-03: LM – Ongoing, we have representatives from each of the four parties, we have gone out with our proposal and we have four tenders in for the wind farm benchmarking exercise. We are currently going through the proposals, hopefully within the next few weeks we will select someone and get the work started. The benchmarking will take approximately 4-6 months to get completed.

CF stated that the benchmarking exercise should prompt and encourage us to reintroduce the regular benchmarking and checking of results.

MP added that for this year's NOA work, NGET has setup a more collaborative working with SPT on the B6 boundary and stability limits. Both parties have been doing some joint studies on that to arrive at the same results.

JG stated that the regular benchmarking and checking of results may be best managed by the JPC and JPC Modelling sub group, and a calendar of this activity with regular reporting dates should be introduced to ensure the regular benchmarking happens.

UPDATED ACTION 251019-03: JW – Majority of the PLDs for Y1 have been received and we are still working through them from a modelling perspective.

LM stated that 33 schemes that require modelling updates for year 1 within NGET and we have the information available to start the modelling for 26 of them.

JG stated that it would be beneficial for NGET to find out the cause of the delay in delivering the remaining 7 PLDs to the ESO for modelling.

UPDATED ACTION 300120-02: RW – The 220kV modification to the SQSS is out for consultation. The consultation will last from 27th July to 24th August and its intention is to publish a final report on 14th September.

5. Sub-Group Reports

5.1. JPC-ETYS/NOA – RP

5.1.1. JPC ETYS subgroup update.

5.1.1.1. **RP** stated that the ETYS and NOA groups are deep into the middle of our annual cycle, studies are going well, most models have been exchanged, NOA analysis is well on the way, TOs are reporting that they are on time, final handover result is due in the middle of September which we are on track for and NOA methodologies and ETYS form have been approved. **RP** added that drafting for ETYS is at an early stage now, but we are on track.

5.1.1.2. **RP** stated that there are some risks which are:

- South Coast NGET studies lack updated new interconnector dynamic model, this is delaying results. The model is being developed but it is not due until October which is after the handover of results so there is a bit of uncertainty in the stability results in the south coast;
- The new C27 licence change of which interested persons must be incorporated and have the ability to submit options to NOA. The risk here is we don't know who will put in options and how many options we might get, this may be disruptive to our work load. We have added some filtering and will move projects to the Pathfinder Project.

5.2. JPC-OA – NB

5.2.1. JPC OA subgroup update:

5.2.1.1. **NB** stated that NGESO had the last JPCOA meeting in June with all 3 onshore TOs present.

5.2.1.2. **NB** added that Sean Williams from the Economics team gave a presentation on BID3; how it works and what feeds into it. There was an action on Outage Planning to liaise

with the Economics team to ensure that the outage plans are considered when carrying out BID3 analysis.

- 5.2.1.3. **NB** stated that a review of the RIIO 2 and long-term schemes were reviewed. One of the main issues noticed in NGETs long-term plans is the swing on the interconnectors which we are not able to provide certainty on some of the outages in the plan. More discussions are on going to see how best to manage this. At the time of the meeting, SPT had not submitted any new RIIO 2 plans. The Hunterston – Neilston Reinforcement scheme in 2022/2023 needed to be flagged because it depends on Hunterston power station and may affect the Western Link HVDC for up to 8 weeks. SHET submitted their RIIO 2 plans and the only major concern was around the Rothernman project could not be moved if Peterhead power station outages moved.
- 5.2.1.4. **NB** stated that there were discussions about future ways of working focusing on connect and manage for the interconnectors. There were also discussions on how to manage outage request on longer-term time scales.
- 5.2.1.5. **NB** stated that there was a discussion on PLDs and the need for early PLD submission from the TOs.

5.3. JPC-Modelling – LM & CF

5.3.1. JPC Modelling subgroup update.

- 5.3.1.1. **LM** stated that the last meeting was on 22nd July.
- 5.3.1.2. **LM** added that the main discussion was the wind farm tendering process where a lot of time was spent going through the proposals and how we would evaluate them amongst the group. From this, it was decided that we would set up short meetings with the four suppliers to ensure they have clear understanding of the work involved and also for an opportunity to ask questions.
- 5.3.1.3. **LM** also stated that there were discussions on data sharing, particularly on validation reports to ensure that all TOs are getting the data in a timely manner.
- 5.3.1.4. **LM** added that there was an ETYS discussion focusing on the progress this year which resulted in an agreement to set up some time to discuss the process and lessons learned.
- 5.3.1.5. **CF** stated that the subgroup has plans for an NIA funded project called TOTEM which stands for Transmission Owner Tools for EMT Modelling. The ESO is a supporting partner in this project. The purpose of this project is to build full GB models PS CAD software. TOTEM is expected to start in June 2020 and be delivered approximately second quarter next year.
- 5.3.1.6. **LM** explained that the subgroup is keeping a watchful eye on some big Grid Code modifications particularly the compliance process of the data exchange compliance modelling which will have quite a big impact on models.
- 5.3.1.7. **CF** mentioned that G74 issue 2 will be going live.

5.4. JPC-IP – JW

5.4.1. JPC IP subgroup update.

- 5.4.1.1. Last meeting was held in May.
- 5.4.1.2. **JW** stated that there were three main discussion areas:
 - 5.4.1.2.1. The first was on the treatment of flexible devices and connections assessments. There is a concern about enabling works that may be required to connect certain parties. We have developed a set of questions for the pre-application which will

help us understand how the different devices will be expected to act under different system conditions.

- 5.4.1.2.2. The second was a continuation of previous discussions on the background generation assumptions and connection assessment especially those that drive onerous through flows on the main corridors. This discussion was around local versus wider system assumptions and it was agreed that the wider system should respect the NOA boundary capabilities and scaling whereas the local system would use the chapter 2 approach in assumption.
- 5.4.1.2.3. The final discussion was on providing summer dispatches to the TOs to assist in studies. Recently we provided the summer minimum dispatches from BID3 for years 1, 3 and 5 with the lead the way scenario. This is currently under review with the ESO and TOs.
- 5.4.1.3. **JW** added that next JPC-IP will be in September/ October.
- 5.4.1.4. **CF** asked if the Stability Pathfinder team have been involved in developing the pre-application questions for the flexible connections, because we have a challenge where the current approach means the new users will get a generator contract or an already existing style contract that may not be entirely suitable to the pathfinder way of thinking. **JW** stated that the pre-application questions focus on the technical behaviour and tries to capture what the import export conditions are likely to be, how long it take the batteries to top charge and discharge and what the ramping up times would be just so we can understand from a starting point what their technical capabilities will be. I can broaden it to ask if there is anything the stability pathfinder would want to add. **JW** added that they have not tackled whether the connection offer becomes dependent on winning a contract in the pathfinder project. This question will be raised in the JPC-IC meeting.

6. Update on Pathfinder projects - Jingchao Deng (JD)

6.1. JD gave updates on the Pathfinder projects

6.1.1. JD - High voltage pathfinder

- **Short-term Mersey:** We successfully procured a service to cover the period from April 2021 to 31st March 2022. We are still considering the best option for this tender and will announced the preferred approach in autumn this year.
- **Long-term Mersey:** From April 2020 to March 2031, we have already awarded a couple of contracts to our commercial providers, one contract is for 200MVARs of shunt reactor and the second is for provision of 38MVARs on battery storage system.
- **Next High Voltage regions:** We have also progressed work to determine the next priority regions for High voltage analysis and will be taking forward the Pennine region as well as progressing other regions in parallel such as the West Midlands and South West Peninsula. We intend to go for a tender in quarter three this year and we have already started our engagement with the DNOs and TOs.

6.1.2. JD - Stability pathfinder

- We published the RFI for phase 2 and we are trying to find new ways of keeping the grid stable in the focus on our long-term requirements in Scotland area.
- The RFI closed in 15th July and we had lots of engagements across the industry. We aim to publish a summary of all responses as soon as possible to progress with the tenders.
- We have experienced some delays for the phase two comparing to our commitments in the network development roadmap and due to a number of factors including:

- Delays in the base one procurement based on the providers feedback on timescales being very tight and we also want to make sure that we took into the consideration and incorporate those learnings from phase one ahead phase two.
- Secondly because this COVID 19 we need to reconsider and the review how we could understand this, as most of the teams working remotely and the RFI stage of the process was added in as a kind of a direct consequence of us wanting to ensure there was no negative impact of COVID 19 on any party's ability to attend.

6.1.3. JD - Constraint management and Commercial solutions

- This project is still in the design phase and is currently looking at the common trigger that works for all energy types. There is a lot of stakeholder engagement being carried out to help shape the service and the solutions with TOs, DNOs and other participants.
- We are also working on the stacking of the service with other contracts, we are working with the control room to see how the service will be administered. Furthermore, we need to understand where connections can be made without triggering significant reinforcements.
- The next steps of the pathfinder are to continue developing the contract frame work and compliance testing processes. This is expected to be completed by the end of August 2020 and is currently on track. The tender will be announced by the end of September this year.

6.1.4. JD – Probabilistic Pathfinder

- We currently work on selected boundaries for year one, and currently we are looking at tests post fault actions such as use of QBs and PSTs in a position to perform a like to like comparisons of the analysis. We are also looking to do this for the later years and discuss the implications at the ETYS and NOA subgroup.

6.1.5. JD – Other Pathfinder Updates

- We are also reviewing the formal feedback from Ofgem's incentive and RIIO 2 teams about how NOA and Pathfinder projects will evolve in the future years.
- We are planning to engage with Ofgem with our evolutionary plan, which is NOA Pathfinder projects fall under the greater NOA umbrella governed by the licence condition C27 and a single NOA methodology that will be used on annual basis. However, we believe that the annual NOA which focuses on bulk transfer and NOA pathfinder projects should be kept in different work streams with distinct timelines.
- We are launching new websites for the NOA pathfinder projects which would be available from September

1. Update on proposals for Strategic Wider Works and Joint Projects

1.1. NGET - MP

- 1.1.1. We are progressing with the south coastline and the Yorkshire line and we have identified our third options. We are looking to start engaging stakeholders on the south coast line project and see how it fits with the overall east Anglia strategy.

1.2. SHET - RW

- 1.2.1. Shetland Link – Ofgem approved the 600MW link to the Shetland Isles on 16th July with a condition that Viking wind farm should reach the final investment decision. This condition was met at the end of July and the project is now moving into the project assessment phase. There are no changes or additional updates on the SWW projects and the joint projects across B4 boundary.

1.3. SPT - CF

1.3.1. There are no changes or updates on the SWW projects and joint projects across B4 boundary.

2. Reports from other working groups

2.1. SQSS – RW

- 2.1.1. The SQSS Panel meeting scheduled for 8th July was cancelled.
- 2.1.2. The modification 26, which is non-standard voltage addition is out for consultation. The consultation will last from 27th July to 24th August and its intention is to publish a final report on 14th September.
- 2.1.3. A working group has been established for modification 27, which is the system stability criteria and requirement following the August incident last year. There will be an initial report from this group by the end of November this year.

3. AOB

- 3.1. **CF** stated that following from discussions around an oscillatory behaviour event, we believe that a regular quarterly or semi-annual discussion would be necessary for the ESO and TOs to review system events, consider the implications for system operation and modelling and share learning points. This will involve going through system monitoring data and picking out oscillatory behaviour and unexpected protection operation, anomalies with converter operation etc. Smaller events will mostly be reviewed and the knowledge from this will help in preventing larger system events.

JG added that there is a potential for us to lose a lot of shared knowledge by not having a structured way of doing this. **RW** and **MP** were also in agreement.

NEW ACTION 130820-01: All TOs and ESO to identify persons in their organisations that deal with post event analysis and reporting for a potential joint review working group to be set up in the next JPC.

4. Dates of next meeting

- 4.1. **PO** – Proposed dates for future meetings: October 22(Teleconference)/ January 28
- 4.2. **JG** – Closed the meeting.