

Joint Planning Committee – North Planning Subcommittee

Tuesday 29th April 2014
SSE Offices – Newbridge – Edinburgh

Attendees:

Brian Punton	SHET	Andy Huthwaite	SHET
David Adam	SPT	Dave Carson	SPT
Andy Hiorns	NGET	Keith Dan	NGET
Bieshoy Awad	NGET	Richard Proctor	NGET
Kelvin Lambert	NGET	Stephen Nyemba	NGET
Vivien Hobbs (Technical Secretary)	NGET		

Apologies

Stewart Whyte	NGET	Xiaoyao Zhou	NGET
Mark Perry	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. Completed, ongoing and new actions are identified on the attached Actions Register and as requested during the meeting an "Action Due" box added.

The following follow up/ongoing actions were identified:

- 2.2. **1013-01 Action:** Concern raised with respect to the arrangements in place for OFTO's to ensure confidentiality of information. This has been previously raised with Ofgem, if no clear response has been received from Ofgem; we may need to raise our concerns again. It was noted that there was ongoing discussions with Ofgem with no response given yet. **Action reassigned to Viv Hobbs to update on progress.**

- 2.3. Dynamic Line Ratings

AH believes DLR equipment has been fitted but will check status.

0114-01 Action: Mark Osborne (MO) to provide an update on the success around the Humber Smart Zone. **AH to follow-up with MO**

- 2.4. Active Network Management

1013-09 Action: NGET to provide any requirements on the Loch Luichart ANM scheme urgently. **BA to write a note to the JPC on lessons learnt and for future schemes and includes background info. Action reassigned to Sade Onajobi**

1013-10 Action: NGET to clarify the main application of the SHE Transmission Wider System ANM scheme. **KD to report back with priorities and agree a timetable**

2.5. Longannet Inter-trip Planning request.

AH - consideration needs to be given to the potential early closure of Longannet as operational challenges could become more acute.

BA stated that the saving for the extra 35ms improvement in communication between Peterhead and Strathaven would have equated to £30K+/hour of arming according to a report that Audrey Ramsey wrote about a year ago. However, this assumed that Peterhead was available but the benefit of upgrading the link between Strathaven and Peterhead would be better discussed as part of the other Planning Requests. DA commented that from the operational tripping scheme link to Longannet and the equipment at Longannet were independent of the planning requests received and were a long-standing issue and originally triggered due to a deficiency in the implementation of the scheme at Longannet, and SPG had requested that the scheme be modified. An understanding on where SPG are with that needs to be sought.

0114-02 Action: NGET to provide estimates on what the benefits of undertaking this upgrade is recognising the estimated capital cost. **Action reassigned to KD to report back by mid-June**

2.6. Construction Planning Assumptions. In the last meeting we considered if embedded generation, smalls and BELLA information could be extracted from the Week 24 submissions. BA advised that once the Grid Code mod is completed to incorporate the embedded generator data in week 24 submissions we can start using these as part of the CPAs. This would have the disadvantage of being an annual exercise only and not a contracted position.

2.7. 33kV Assets. Issue around 33kV assets being modelled in the control room to support the planning process. DA & DC confirmed that 33kV bars which have been categorized as a T-Asset are "in most cases" controlled by the TO.

1013-25 Action: NGET to share views on connections on sub-transmission voltages with SPT and SHET. **More clarity required. High priority. Action reassigned to KD to reflect on and provide some proposals.**

2.8. Boundary of Influence -

Bol has been added to the agenda for the Investment Planning Group to discuss where the Bol is and does the Western HVDC link change it? And what is the Bol for OFTOs once they have signed?

0429-01 Action: Investment Planning Subgroup to report back following their meeting in May. **SW/AH**

An update on PLDs

2.9. DA responded to Action 0114-05 that a few PLDs were outstanding and that they were being prepared at the moment and would be delivered in line with the ETYS programme.

2.10. KD requested that in future PLDs be issued as they came up and not to wait for ETYS submission.

2.11. NGET Update
Update on progress of Non-Load related PLDs to be followed-up with Mark Perry.

0114-07 ACTION: Provide an update on the progress of non-load-related PLDs.**MP**

2.12. Report back from the Subgroups

2.13. Coordination and Progress Review (Bieshoy Awad)

2.13.1. Non-Firm Connections

0114-11 ACTION: AH to reflect and put a paper together on non-firm access. **AH Ongoing**

A note was made on the complexity of inter-tripping schemes in some areas of the network. With a large number of Users opting for non-firm connections, the number of overlapping inter-tripping schemes is rapidly increasing and there might be some challenges in coordinating the operation of these schemes on real time.

0114-12 ACTION: JPC Operational Assessment Subgroup to advise on the acceptable level of complexity for Operational Inter-tripping schemes/ Active Network Management Schemes. **OA SubG Ongoing**

0114-13 ACTION: Discuss generic issue with Commercial and put some clarity around the process both for internal guidance and publicly for generators to view how we will be considering the application. Set up meeting with John Twomey, AH &BA.

2.14. Operational Assessment (Stephen Nyemba)

0114-18 ACTION: OA Group to review and update relevant STCPs and update PLD pro-forma.

0114-19 ACTION: OA Group to update and re-circulate ToR following meeting in March.

2.15. General

0114-20 ACTION: All subgroup to inform JPC on proposed timescales for updating STCPs. JPC will then feed this back to the STC committee. **VH to follow up with Subgroups**

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

0114-21 ACTION: Before the next ENSG Meeting JPC to hold a teleconference to share rationale for the selection of projects included in the ENSG templates. **VH to arrange for end of May**

2.17. Reporting from other Working Groups

2.18. STC:

0114-22 ACTION: AH to feedback Schedule 3 review to STC alongside STCP reviews and Boundary of Influence data exchange?

2.19. ENTSOE:

2.19.1. With regards to North Connect AH advised that the Scottish TOs should have provided comments which would have been considered when pulling together the CBA. There was no recognition of a SPT representative at ENTSoE and SHET are represented by Paul Neilson.

0429-02 ACTION: BP/AH to check if Paul has had any involvement with CBAs.

2.20. Filing & Document Arrangements

0114-24 ACTION: VH to investigate Livelink. *Ongoing*

3. National Grid Re-organisation (Performance Excellence)

- 3.1. AH updated the JPC on the Performance Excellence programme which is being worked through within the company. The essence being to look at managing performance - how well policies and procedures are being followed. Within Keith's team this means there will be a focus on BCAs and Planning Assumptions to ensure clear processes are in place.
- 3.2. AH requested the JPC members to reflect and feedback exactly what was thought about the current processes and which areas disappointed or could be improved. Genuine feedback requested. Paramjit would then be invited to come and meet with the Scottish TOs to discuss further.
- 3.3. Performance Excellence is also going to cover Planning Assumptions which isn't working in its current form. A better understanding is sought of what the current process sets out to achieve and if it can be better delivered.
- 3.4. Discussion held around modelling and JPC members raised that data exchange may be a useful process to look at.

0429-03 ACTION: JPC members asked to reflect and feedback on, Connection Applications processes, Planning Assumption requirements to ensure NG can deliver what TOs want in a time and format that is useful, and indeed any other policies and/or processes that are a cause for concern back to VH or direct to AH or KD.

4. ETYS - AH

- 4.1. ETYS is a combination of SYS and ODIS and there is no STCP in place for that yet. Ofgem have yet to put the licence changes in place. Ofgem will this year (as in the previous 2 years) relieve NG of the obligation of using the SYS and the ODIS. AH raised concerns that an escalation process is not in place if ETYS isn't going well. A few teleconferences will be put in place in case they are required, and if there are no issues they will be cancelled.
- 4.2. Due to EMR challenges Richard Smith had to demonstrate a rigorous approach on data management and data confidentiality. Richard Smith wrote out to TOs asking that information required under the STC must be requested in writing.
- 4.3. Four Generation Scenarios have been issued. Demand, Real and Reactive is still outstanding. AH stated that one of the challenges was to develop robust Reactive forecasting given that Reactive Demand has been falling for a number of years (10-15% per year)
- 4.4. BP commented that very little time was allowed to respond to FES generation scenarios when they were sent out for comment which was difficult to turn around.

5. Future Studies on Closures and Ongoing Studies - AH

- 5.1. AH shared that the concerns were being raised with respect to Security of the Scottish Demand and benefits provided by the Western HVDC in as soon as possible. For 2 reasons. Firstly for exporting power from Scotland, but also if Peterhead and Longannet were to close and there was little/no wind generation output then system security would be quite tight. Studies have been run looking at winter 2016 pre- and post-the Western link with no Cockszie, Longannet, Peterhead or Hunterston. Concluded that for winter peak, pre- HVDC Western transfer limit is approx. 2.7GW, post-Western circa 3.8GW (DA highlighted need for some additional studies). Summer peaks studies outstanding.
- 5.2. Vandad Hamidi (VH) will progress of the work we have undertaken with respect to State of Future Operability (SOF) with Scottish TOs in the near future. One of the areas under consideration is the interaction between non-synchronous generation levels and stability limits between England and Scotland (generic piece of work), reductions in the transfer capability as the non-synchronous levels get to 70/80/90% have been noted. .
- 5.3. AH commented that the Scottish network is now being operated in conditions that haven't been seen before, with the fault levels being so low it's stretching some of the modelling.
- 5.4. DA highlighted work that Siemens are doing under the Western Link contract review: stability performance under a range of conditions, so reconciliation with VH's work should soon be possible.
- 5.5. DA - raised the obligation under Week 24 for DNOs to advise of any restrictions on embedded plant reactive ranges and its impact on the High Voltage issue. KD cited that the obligation is under Grid Code PCA3.2.2.(c)ii (in terms of information we should get in Week 24 the DNO should be telling us if there are any restrictions on the embedded generator) **XZ to follow-up with Andrew Kensley at Wokingham**

6. Voltage Control Issues

- 6.1. AH - DNO voltages - some of the embedded generation community have indicated that they could do more to support the voltage but the contract with the distribution companies prevent from doing that. AH took an action to find out who he needs to talk to in the distribution companies to understand what the limitations of requesting support from the embedded generation is.
- 6.2. Planning Manager Mark Smith in SHEPD and SPT to follow up with a contact name in SPD. **Action DA/DC to advise**

7. Working Groups

7.1. ENSG - AHu

- 7.1.1. Discussion centred on key priorities and what role the ENSG plays in them. A prioritised list is to be finalised and posted on the website.
- 7.1.2. Ofgem and DECC were very interested in what is being done on management of generator uncertainty.
- 7.1.3. Discussed where DECC and Ofgem are on TRANSMIT. Some discussion on DECC's consultation on the allocation mechanism this is awaited as it has an impact of some of the developer investments. First options are planned towards the back end of the year. Not likely to see anything on Strike Prices before the end of this year/early next year in terms of the post-EMR phase 1 delivery plan - a degree of uncertainty remains with post 2019 scenarios.

- 7.1.4. Ofgem were also going to consult on TRANSMIT and give their view on their current thinking.

7.2. **SQSS - DC**

- 7.2.1. OFTOs are being more active, in trying to adjust the SQSS to suit the Offshore parties requirements.
- 7.2.2. Potential modification to compensation plant redundancy for offshore networks - and availability of that.
- 7.2.3. Single versus double busbar configurations - as it currently stands the SQSS effectively says you that need to be able to remove a single section of busbar using a ground feed and Dong were trying to demonstrate the security of supply and reliability, GIS means higher costs but advantage is not clear. A working group set up to consider the application, the ToR will be developed by James Dean.
- 7.2.4. Sub-Synchronous Oscillation Working group ToR were approved and Graham Stein to convene a working group.
- 7.2.5. GSR010 review of onshore energy criteria - from a technical point of view everything has been delivered, the working group report on the methodology and everything else thereafter is a commercial debate; there is some concern as to compliance with the CUSC and the charging methodology.
- 7.2.6. GSR008 - ongoing Ofgem review.

7.3. **STC - AH**

- 7.3.1. STC ToR states max 2 OFTOs to represent the OFTO industry. We now have 3 OFTOs appointed this was a cause for considerable discussion as the OFTOs felt this was unfair and the TOs each had representation. Under the Framework Agreement an observer is permitted to the meeting and the OFTOs felt happy with this approach (to be reviewed in 12 months).
- 7.3.2. AH put up a paper on the JPC structure which creates the JPC North and JPC South with mandatory representation by the OFTOs on a number of the groups. Needs to be reviewed.
- 7.3.3. There was a debate on what EMR means, the boilerplate was put in that made it quite clear that data was to be retained confidentially, as it always has been, and that if there was any information that was picked up to be EMR sensitive then there is an obligation to keep it confidential. That is now in the STC, it will be reviewed again.
- 7.3.4. AH took an action to put in timetables for reviewing STCPs - this is ongoing.
- 7.3.5. There was a complaint raised by Scottish Power on the continuity of National Grid staff - AH to confer and reflect with Scottish TOs on how 18.1, the application process is managed.
- 7.3.6. Complaint from Campbell McDonald on commissioning programs - this relates to not receiving the final commissioning programme until the day ahead, which makes it hard for him to respond. AH will propose to put in place a monitoring framework for 6 months, and review the process thereafter.
- 7.3.7. Outage co-ordination and outage management issues were also raised - was he receiving notification of change of outage requests early enough so he can modify his plans, particularly for non-firm generation. KD commented that there was a notification issue in TOGA which had been recognised and that MO are looking into improving that.

7.4. **ENTSOE - AH**

- 7.4.1. Codes - there is a suite of codes going through the process which are at the 'commentology' stage. These include:
 - RFG - Requirements for Generation
 - DCC - Demand Commission Code
 - HVDC - High Voltage Direct Current
- 7.4.2. Production of the TYNDP 2014 - due to be published December 2014.
- 7.4.3. TYNDP 2016 - work has begun.

8. Strategic Wider Works

8.1. **SHET - AHu**

- 8.1.1. Beaully-Denny - in construction and on target for 2015. In the background there is also an Asset Value Adjusting Event submission which is in process with Ofgem.
- 8.1.2. Kintyre-Hunterston - gone through in terms of final settlement. Project Assessment complete.
- 8.1.3. Beaully-Mossford - gone through in terms of final settlement. Project Assessment complete.
- 8.1.4. Caithness-Moray - consultation out on the need case. Cost and Output submission made of the project assessment which is ongoing and parallel. Finely balanced CBA between HVDC offshore and the onshore solution. SHET have committed to the Blackhillock contract and work has begun on site.
- 8.1.5. East Coast - hoping to see output and draft CBA results mid-May.
- 8.1.6. Orkney - is still under review - currently assimilating feedback from consultation.
- 8.1.7. Shetland - waiting feedback from the developer.

8.2. **SPT - DC/DA**

- 8.2.1. South West - is growing. Originally a connection across from Harker, across the South West, from Newton Stewart to Auchencrosh was envisaged. New Cumnock was anticipated to facilitate connection of 3-400MW of generation but this could now reach 1200-1500MW) so the next stage of reinforcement will be critical. Diyar Kadar is looking to create building blocks so it can actually be extended by taking a staged approach. There are 2 parts: Stage 1 - Kilmarnock South down to New Cumnock, as additional capacity is needed at Coylton. Stage 2 - South West. Stage 3 - Linking the two. It would be constructed so as the final link would run at 400Kv (although it may initially be run at 275kV). So that a 3rd AC interconnector from Kilmarnock South out through Galloway via Dumfries through to Harker is achieved by 2023. PB have been engaged. SPT are developing a robust need case to flush out the entire range of options. There are a couple of critical support areas: 1 Supporting of the SO in terms of the need case, 2: uncertainty about the Moyle Interconnector debate, or it can stop around Newton Stewart, the incremental section to Auchencrosh would be an add-on, which gives SPT the benefit but if the EU rules that it is an interconnector and it gets unrestricted access to its full capability of 500MW, given that Moyle are going to be replanting, that re-enforces what SPT want to do. DC asked how SPT should go about requesting SO support. This development would give a B6 boundary benefit if there is a 400 KV link all the way through Kilmarnock to Harker.
- 8.2.2. DA - In terms of series compensation the site-works are underway there are three sites it impacts, 2 units at Eccles, 1 at Gretna and 1 at Moffat. Site work

has commenced at Eccles, Moffat is ready to go (from a civil engineering perspective and when they complete the civil platform works at Eccles they'll move on to Gretna). Work is under way for the start of the outage sequence to commence March 2015, completing October 2015. On Programme.

- 8.2.3. In terms of the others Asset Value adjustment event at Beaully-Denny. Kintyre-Hunterston is progressing, Western Link - is on programme for an Autumn (September/October) completion, Denny-Wishaw 400kV upgrade - from a cost benefit point of view the inclusion of the project will feature in the CBA work that's being progressed for the East Coast 400kV - so refreshed CBA results will come through from that piece of work.

8.3. **National Grid - AH**

- 8.3.1. Western - October/September completion, all the wayleaves and consents are in place.
- 8.3.2. Series Compensation should be in by end 2014.
- 8.3.3. Wylfa-Pembroke HVDC link - triggered by a combination of wind and nuclear power station at Wylfa (connection delayed to mid 2020s)
- 8.3.4. Hinckley Point - triggered by combination of wind and nuclear and Seabank power station. Moved back to 2022.

9. **JPC Subgroup reports**

9.1. **Operational Assessment**

- 9.1.1. Keith Dan is the new Chair.
- 9.1.2. SN - reported back to the JPC as per the sub-group report
- 9.1.3. AH - At the moment there is no clear mechanism for the SO to fund TOs to do works differently. SO can make a request, then it's up to the TOs to demonstrate they've been economic and efficient with the knowledge of all costs. The TO could put in a request to Ofgem saying the SO has asked for this - we are happy to do it and it's the SO's need case but if you don't want to fund it we understand and we won't do it. A further meeting is planned with the NAP to discuss.
- 9.1.4. KD - raised that because there will be more studies carried out there is an increased requirement for new and updated PLDs to be sent through quickly (as they're raised) so that models can be kept up to date.

9.2. **Offshore Coordination**

- 9.2.1. KL - reported back to the JPC as per the sub-group report
- 9.2.2. Kelvin Lambert is the new chair
- 9.2.3. AH - STC discussions about developing a new STCP for Transitions which Scottish TOs may need to be included in.

9.3. **Project Coordination and Progress Review**

- 9.3.1. BA - reported back to the JPC as per the sub-group report
- 9.3.2. DA requested further information on the possible Denny SGT overload (Chapter 2 assessments against the contracted background). This should be captured within the connection offers.

0429-04 ACTION: SPT & SHETL to review.

9.3.3. Kintyre Hunterston project documentation (TORI & PLDs) requires updating.

0429-05 ACTION: SPT & SHETL to review and update.

9.3.4. E&W connections within SPT Boundary of Influence. KD reported back that customer connections team have been advised to ensure any new applications received within the Bol are forwarded to SPT.

0429-06 ACTION: Action for Investment Planning Group - on reflection we get a number of applications - in ETYS should we periodically do a joint stability study.

0429-07 ACTION: Action for Investment Planning Group - to review the programme of work.

9.3.5. SPT or NGET connection.

0429-08 ACTION: AH to speak to Angela Quinn regarding using Condition 2B (rather than M&N) to demonstrate how we've ring-fenced the application and kept it up to director level as separate.

9.3.6. CSS - updated documentation from SHET not forthcoming

0429-09 ACTION: BP to review.

9.3.7. Non-BM Generation Issues. Highlighted Increasing concern that the volume of small embedded generation is impacting on the ability to manage outages.

0429-10 ACTION: KD to set up teleconference/workshop with TOs and Commercial to find a common place to deal with short-medium term issues.

9.3.8. TOCAs & templates.

0429-11 ACTION: KD to pick up issues with TOCAs and templates as part of Performance Excellence.

9.3.9. Change of Chair

0429-12 ACTION: KD to review chairmanship for this meeting.

9.4. ETYS

9.4.1. RP - reported back to the JPC as per the sub-group report

9.4.2. AH - discussion had earlier around escalation if there are concerns.

0429-13 ACTION: RP to identify key dates and put some telephone conference in with the JPC that can be stood down if not required.

9.4.3. RP - primary analysis will be based on Gone Green - taking into account the other scenarios.

9.4.4. AH - the Gone Green scenario is the most in line with government objectives.

9.5. Investment Planning

9.5.1. BA -reported back to the JPC as per the sub-group report.

9.5.2. AH - IP subgroup can look at the Bol for OFTOs

- 9.5.3. DA - IP subgroup reports into the JPC North
- 9.5.4. AH - rename to IP North subgroup and when the need arises an IP South subgroup should be created.

0429-14 ACTION: BA to circulate round a file note on Security of Supply - progress so far and key findings.

9.6. Modelling

0429-15 ACTION: XZ to provide the JPC with information on increasing number of HVDC links there is greater interaction - how do we ensure all the TOs have got the appropriate models to study the network performance

10. AOB

- 10.1. KD reported that the current projects in scope for inter-tripping of wind are: Griffin, Fallago Rig and Whitelee.

0429-16 ACTION: KD to email round.

- 10.2. DA - the NSP and the process of pulling together BOT1RRP submission. Previously we have circulated these and compared notes to present a consistent picture.
- 10.3. DA stated that SQSS para. 4.6.6 which states that for a prior planned outage circuit is in E&W then the loss of the Western link plus 1AC circuit should be secure for both imports and exports from Scotland and applying that and all of our CBA work and in ETYS referred to post-Western having 6.6GW capability on B6 - applying that clause for exports gives you possibly something about 5GW. In previous RRP submission SPT have referred to 6.6GW and that's been consistent with CBA work which is consistent with application of the operational standards - but if we are migrating to something other than that then we need to agree a common form of work.

0429-17 ACTION: VH to include full membership details on JPC Subgroups report. **VH**

11. Dates of next meetings

- 11.1. 10th July 2014, Scotland, Blantyre
- 11.2. 22 October 2014, Warwick
- 11.3. 27th January 2015 - Scotland, Newbridge
- 11.4. 14th April 2015, Scotland, Blantyre

11.5. List of Actions

Ongoing

Actions Ref	Action	Action by	Action Due	Status
1013-01	1013-01 Action: Concern raised with respect to the arrangements in place for OFTOs to ensure confidentiality of information. This has been previously raised with Ofgem, if no clear response has been received from Ofgem; we may need to raise our concerns again. It was noted that there was ongoing discussions with Ofgem. Action reassigned to Viv Hobbs to update on progress	VH	by next meeting	
1013-09	NGET to provide any requirements on the ANM scheme urgently. BA to write a note to the JPC on lessons learnt and recommendations for future schemes and includes background info. Action reassigned to Sade Onajobi	SO	June '14	
1013-10	NGET to clarify the main application of the wider system ANM scheme. KD to report back with priorities and agree a timetable	KD	June '14	
1013-12	SPT to confirm whether Strathaven/Harker works are still required with the change of the generation background.	DA	July '14	
1013-13	NGET to confirm the status of the Chapelcross planning request Require a point of contact - acknowledgement	BA	June '14	
1013-14	NGET to liaise with SHET to decide on the scope of works required under the Longannet Inter-trip planning request. Provide any justification that we	KD/BP	June '14	

	see for the upgrade			
1013-16	NGET to update on the Grid Code modification in relation to W24 Submissions	BA	July '14	
1013-17	NGET to start the discussions internally on this the embedded generation issues.	AH	June '14	
1013-25	1013-25 Action: NGET to share views on connections on sub-transmission voltages with SPT and SHET. More clarity required. High priority. Action reassigned to KD to reflect on and provide proposals.	KD	June '14	
0114-01	Mark Osborne to provide an update on the success around the Humber Smart Zone. AH to follow-up with MO	AH/MO	June '14	
0114-02	NGET to provide estimates on what the benefits of undertaking this upgrade is recognising the estimated capital cost. Action reassigned to KD to report back by mid-June	KD	Mid-June	
0114-07	Provide an update on the progress of non load-related PLDs	MP	July '14	
0114-11	AH to reflect and put a paper together on non-firm access	AH	June '14	
0114-12	JPC Operational Assessment Subgroup to advise on the acceptable level of complexity for Operational Inter-tripping schemes/ Active Network Management Schemes.	OA SubG	June '14	
0114-13	Discuss generic issue with Commercial and put some clarity around the process both for internal guidance and publicly for generators to view how we	AH/BA	June '14	

	will be considering the application. Set up meeting with John Twomey, AH & BA.			
0114-18	OA Group to review and update relevant STCPs and update PLD pro-forma.	OA SubG	June '14	
0114-19	OA Group to update and re-circulate ToR following meeting in March. Completed 27 March 2014.	OA SubG		
0114-20	All subgroup to inform JPC on proposed timescales for updating STCPs. JPC will then feed this back to the STC committee. VH to follow-up with subgroups	All SubGs VH	June '14	Completed
0114-21	Before the next ENSG Meeting JPC to hold a teleconference to share rationale for the selection of projects included in the ENSG templates. VH to arrange for end of May	VH	May '14	
0114-22	AH to feedback Schedule 3 review to STC alongside STCP reviews and Boundary of Influence data exchange?	AH	June '14	
0114-24	VH to investigate Livelink.	VH	May '14	

New

0429-01	Investment Planning Subgroup to report back following their meeting in May. Ref Bol.	SW/AH		
0429-02	BP/AH to check if Paul Nielsen has had any involvement with CBAs.	BP/AH	June '14	
0429-03	JPC members asked to reflect and feedback on, Connection Applications processes, Planning Assumption requirements to ensure NG can deliver	JPC members	June '14	

	what TOs want in a time and format that is useful, and indeed any other policies and/or processes that are a cause for concern back to VH or direct to AH or KD.			
0429-04	SPT & SHETL to review. (Denny SGT Overload)	DA/BP	July '14	
0429-05	SPT & SHETL to review and update. (TORI & PLD updates for Kintyre-Hunterston)	DA/BP	June '14	
0429-06	Action for Investment Planning Group - on reflection we get a number of applications - in ETYS should we periodically do a joint stability study.	SW	July '14	
0429-07	Action for Investment Planning Group - to review the programme of work.	SW	July '14	
0429-08	AH to speak to Angela Quinn regarding using Condition 2B (rather than M&N) to demonstrate how we've ring-fenced the application and kept it up to director level as separate.	AH	July '14	
0429-09	BP to review. (updated CSSs)	BP	July '14	
0429-10	KD to set up teleconference/workshop with TOs and Commercial to find a common place to deal with short-medium term issues.	KD	July '14	
0429-11	KD to pick up issues with TOCAs and templates as part of Performance Excellence.	KD	Oct '14	
0429-12	KD to review chairmanship for Project Coordination and Progress Review subgroup.	KD	July '14	
0429-13	RP to identify key dates and put some telephone conferences in with the JPC that can be stood down if not required.	RP	July '14	

0429-14	BA to circulate round a file note on Security of Supply - progress so far and key findings.	BA	June '14	
0429-15	XZ to provide the JPC with information on increasing number of HVDC links there is greater interaction - how do we ensure all the TOs have got the appropriate models to study the network performance	XZ	June '14	
0429-16	KD to email round (current projects in scope for inter-tripping) Completed May '14	KD	May '14	
0429-17	VH to include full membership details on JPC Subgroups report.	VH	July '14	

Completed

1013-02	remove 'might be because' from last sentence of Impacts	KL/SN		
1013-03	Make a view on whether the OA subgroup should cover all years apart from current year or not. Decision made.	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. Outages include reference to PLDs	SN		
1013-06	NGET to clarify if any additional information are	XZ		

	required by the Modelling Subgroup			
1013-07	<p>NGET confirm that no application had been received, but we had been requested to undertake a joint study to determine optimum landing point.</p> <p>Recommend JPC to sign off ToR and study results and ensure joint planning.</p>	AH		
1013-08	<p>NGET to provide information on Dynamic Line Ratings</p> <p>ETYS includes DLR. New actions see below.</p>	AH		
1013-11	<p>NGET to initiate discussions with SPT in relation to the Kilgallioch ANM scheme and other similar schemes</p>	BA		
1013-15	<p>NGET to update the Construction Planning Assumptions as soon as practicable.</p> <p>Short Term - current CPAs being updated from July 2013</p> <p>Longer Term - looking to change how information is accessed via the TEC Register by Scottish TOs by means of a change to the STCP and provision of useful guidelines on ranking.</p>	VH		
1013-18	<p>NGET to specify dates and milestones, and provide clarity on what is required from the TOs</p>	RP		
1013-19	<p>NGET to check concerns about voltage control</p> <p>No major concerns</p>	KD		
1013-20	<p>OC subgroup needs to work with OFTOs to clarify the concerns and propose a code change if required.</p>	KD to liaise with Graham		

	Proposal made recommendation to GS and e-mailed this to interested parties for info.	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 The commercial aspects have been considered before taking the decision to put it out to consultation again.	DC/DA		
1013-24	NGET to ensure that DA and BP are involved in the discussions	BA to liaise with VH		
1013-26	NGET to issue the voltage control Planning Request to SPT Complete - 7th Feb	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		
1013-03	1013-03 Action: JPC does not cover Yr1 & 2 but concerns raised by AH that lessons learnt from Yr1 & 2 should be fed back to JPC to ensure appropriate actions are taken forward.			
0114-03	Embedded generation, smalls and BELLAs remain an issue as they aren't included on the TEC Register, NGET to look into extracting that	BA		

	information from the Week 24 submissions.			
0114-04	JPC Recommend that STCP11.1 is updated to provide feedback on the outage plan for Yrs. 1 & 2, including lessons learnt, to the Operational Assessment subgroup. The Subgroup then reviews and passes the issues to the appropriate group then coordinate and feedback up the JPC. KD Reported back	AH/KD		
0114-05	DA to check against the current list of TORIs to see if any have been overlooked.	DA		
0114-06	Confirm who recipient/post box is within NGET.	BA		
0114-08	Request SW to put a note to the JPC after the IPC meeting on the 7th Feb to confirm what they have agreed to do and the timescales.	SW		
0114-09	AH to contact Prof. Keith Bell to ask if there is anything he needs from us to support his work, if not then offer a meeting after then end of February to share our findings. DA confirmed Prof. Keith Bell was working in an ad-hoc advisory position and had not been asked to specifically look at Scottish Security of Supply at this time.	AH		
0114-10	BA to provide background to DA on the outage combination conditions that require NG to use Harker to secure demand for E&W and liaise with Investment Planning committee. Options being discussed - defer to subgroup to resolve.	BA		
0114-14	Prepare a note for JPC on lessons learnt and proposals for taking them forward, and any issues the JPC are required to intervene on. RP	RP		

0114-15	Set target to review and update relevant STCPs for ETYS. RP	RP		
0114-16	KD to draft some proposals to share with the JPC. Code amendments have been proposed.	KD		
0114-17	KD to provide a brief following the meeting. STC Section K has been reviewed as adequate and the NG Reactive Working Group subsequently wound up.	KD		
0114-23	On North Connect AH to find out what involvement Scottish TO should have had in signing off the CBA.	AH		
0114-25	Request Modelling Subgroup to review provision of Wk. 24 Data back to the TOs with regular updates.	AH		
0114-26	AH to keep DA updated on the situation. <i>Investment Planning Group to follow up on this.</i>	AH		
0114-27	MB to set up teleconference when agenda is circulated.	MB		