

Joint Planning Committee – North Planning Subcommittee

Thursday 10th July 2014
SPT Offices – Blantyre – Glasgow

Attendees:

Brian Punton	SHET	Andy Huthwaite	SHET
Dave Carson	SPT	Andy Hiorns	NGET
Keith Dan	NGET	Kelvin Lambert	NGET
Richard Proctor	NGET	Xiaoyao Zhou	NGET
Sheriff Ilesanmi	NGET	Faith Natukunda	NGET
Vivien Hobbs (Technical Secretary)	NGET		

Apologies

David Adam	SPT
Stewart Whyte	NGET
Stephen Nyemba	NGET
Sade Onajobi	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.

8.3.4 - 2021 (not 2022)
- Hinkley spelt wrong

2. Review actions from last meeting

- 2.1. Actions were reviewed. Completed, ongoing and new actions are identified on the attached Actions Register.

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. **AH to find new contact to follow this up with.**
- 2.3. ANM Schemes - KD provided an update as per the 1013-09 & 1013-10 Action Status. BP requested clarification on where the control sits (EBS or local TO systems). KD explained that control would be with the EBS but would utilise local logic.

0710-01 Action: KD to agree and review as part of working group priorities and timescales on planning requests already made.

0710-02 Action: KD to organise for Liena Vilde to speak to TOs regarding interface with ENA Working Group. TOs to nominate persons to be involved.

- 2.4. 1013-12 - Action ongoing
- 2.5. 1013-13 - Action transferred to KD and subsequently closed (see Status)
- 2.6. 1013-16 - Action transferred to KD and subsequently closed (see Status)
- 2.7. 1013-25 - Briefing note prepared. KD requested feedback from the JPC so agreement can be made on how connections on sub-transmission voltages can be managed. BP suggested that a dotted line was missing from one of the diagrams and that the 33kV transmission busbar should be included.

0710-03 Action: KD to pull together a small working group to identify a range of solutions for consideration. DC to ask Transmission Ops and Distribution Ops colleagues to contribute.

- 2.8. 0114-07 - Action ongoing
- 2.9. 0114-11 - Action slightly re-worded and ongoing.
- 2.10. 0114-13 - Guidance Note to be produced
- 2.11. 0114-18 - passed to JCP-IP to review PLDs (STCP16-1)

2.12. Reporting from other Working Groups

2.13. STC:

0710-04 ACTION: AH to establish a review on how to manage data exchange (ref: Closed action 0114-22)

2.14. Filing & Document Arrangements

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

From Previous Minutes

2.14.1. 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.

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

0429-05 ACTION: SPT & SHETL to review and update - progress quickly. Face to Face meeting required - decision making on conductor replacement is critical.

2.14.3. 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 – significant volumes of applications progressed each year – to give consideration to undertaking periodic joint stability study, based on ETYS ?

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

2.14.4. TOCAs & templates.

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

2.14.5. Security of Supply

What is the probability of transfers from England to Scotland being in the region of 3.8-4.5 in future years - what can we do about or do to improve transfers? With no conventional generation in Scotland there are issues (depending on how extreme the assumptions are). Security to Scotland - are we comfortable 3.8GW transfer capability is a big enough number for winter going forward? Do we want Richard Proctor (RP) and the team to look at what we need to do to improve the load sharing?

What is the probability that transfers would exceed 3.8 in the winter period?

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

2.14.6. HVDC Network Performance

0710-05 ACTION: XZ to feedback following 2nd October Workshop comparing models used to study network performance in light of increasing HVDC links with greater interaction.

3. JPC Subgroup reports

0710-06 ACTION: With the exception of the weekly meeting subgroups to provide latest minutes from subgroups and pull out highlights to share with the JPC.
Subgroups

3.1. Operational Assessment

3.1.1. KD - reported back to the JPC as per the sub-group report

Discussion around outages, concerns raised regarding agreeing outages with conditions, ensuring there is knowledge of outages and practicality of cancelling outages dependant on degree of wind.

0710-07 ACTION: BP to review the flagging up of outages with conditions within SHET.

3.2. Offshore Coordination

3.2.1. KL - reported back to the JPC as per the sub-group report

3.3. Project Coordination and Progress Review

3.3.1. KD - reported back to the JPC as per the sub-group report

3.4. ETYS

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

Discussion around short time period allowed for final review of the ETYS. Extra time has been built into the programme this year but it will still be tight and TOs will need to

ensure they have resource ready to review as soon as the ETYS becomes available for comment.

0710-08 ACTION: AH/RP to set up a workshop on NDP with SHET & SPT. BP and DC to nominate attendees.

3.5. Investment Planning

3.5.1. AH -reported back to the JPC as per the sub-group report.

Discussion around supporting SHET with DigSilent

3.6. Modelling

3.6.1. XZ - reported back to the JPC as per the sub-group report.

0710-09 ACTION: All parties to action - where errors are identified or concerns, they are feedback in a constructive timely way.

0710-10 ACTION: XZ to create an action log to identify issues and resolutions to be included in minutes and modelling team to address creating a process for ease of feedback.

4. National Grid Re-organisation (Performance Excellence)

Paramjit Shire gave a presentation on Performance Excellence to the JPC to give them an overview of the process and the steps the SNPT team have been following with regards to the 3 month connection process.

PS invited the TOs to attend a workshop to assess the current process and identify areas of improvements and work towards a collective agreement on how to move forward and agree monitoring KPIs to continuously improve the process together.

0710-11 ACTION: KD/PS to set up a workshop in Scotland with TO reps.

5. Peterhead

Discussion around Peterhead offer - BP requested clarification over what kind of assumptions they should be making as the offer date is likely to be much later than the date requested. Consideration was given to making a stepped offer or give staged access based on conditions.

0710-12 ACTION: AH to ask Karan to run a some quick studies on baseload against current scenarios

6. Strategic Wider Works

6.1. SHET - AHu

Caithness - Moray at final Needs Case Determination today

Blackhillock - Knocknagael - platform work has started

Beauly - Mossford - consultation out on the licence modification (closed 4th July)

East Coast - working jointly on development with SP, CBA works needs to be concluded to support latest position

Islands Delivery Forum established - co-chaired by Ed Davey & Fergus Ewing. The Forum is looking at what action needs to be taken to get the Islands connected to the Grid. SP have created an Action Plan to create credible needs cases.

Western Isles - Generation uncertainty. GDF (Beinn Mhor) recently terminated. Current delivery plan for 2019 but unlikely to meet this.

Orkney - Consultation on a range of options - too much generation for the existing distribution network. Lots of Onshore Wind interest.

Shetland - plan still to deliver for 2019.

6.2. **SPT - DC**

Inverkip substation is being decommissioned which is causing some difficulties.

South West - trying to establish a staged project which will go from Harker into the South West, combination of 400/275kV, doing works around Kilmarnock South, with the end objective of joining it all up and having a 3rd 400kV interconnector from Kilmarnock South down to Harker. Discussion around the needs case.

6.3. **National Grid - AH**

Hinkley Point - the only one we're really progressing, new line from Hinkley to Seabank. Scheduled for around 2021.

Pembroke - Wylfa DC Link - Scheduled for mid-2020s.

7. Joint Projects

7.1. **East Coast** - moving forward

7.2. **Beaully - Denny** - SHET on schedule to complete this year

7.3. **Kintyre- Hunterston** - there were some issues but these are being resolved

7.4. **Western HVDC Link** - on schedule

8. Working Groups

8.1. **ENSG** - Andy Huthwaite gave an overview from the last ENSG Meeting:

Review of the Work Programme which sets out the topics that the ENSG want to cover during their meetings - i.e. system operability framework; TO updates, offshore interconnection.

Grid Investment Process - what enables or blocks deployment of infrastructure.

8.2. **SQSS** - Dave Carson gave an overview from the last SQSS Meeting:

GSR10 - Onshore Generation Connection Access still ongoing.

Observation about a requirement for benchmarking between SQSS and CBA - SQSS is justifying reinforcements and the CBA isn't. We seem to be getting further away from the SQSS being a proxy to an economic investment.

8.3. **STC** - Andy Hiorns gave an overview from the last STC Meeting:

Still going through STCPs
Full review of the Commissioning Process

8.4. **ENTSOE** - Andy Hiorns gave an overview from the last ENTSOE Meeting:

Codes now moving forward through commentology following a legal decision that codes that talk about changes now being called Guidelines.

HVDC Code - going into commentology

2014 TOINDP - drafted

2016 TOINDP - work commenced

9. AOB

9.1. **Longannet Intertrip** - KD spoke to Power Station about the Intertrip kit that SPG were talking about refurbishing. They require a steer on if it's going to be closed down so they can make a judgement on whether to do the refurbishment work.

9.2. **Auchencrosh Reconductoring** - KD's team has been asked to look at a 34 week outage in 2016, which shuts down the Moyle link and 523.4MW of Wind. Discussion around temporary towers or splitting project into 2 parts to keep some generation on, although consensus of opinion is that taking the straight outage would benefit the GB consumer.

9.3. **Iceland connection** - Progressing well.

10. Dates of next meetings

- 10.1. 22 October 2014, Warwick (tbc)
- 10.2. 27th January 2015 - Scotland, Newbridge
- 10.3. 14th April 2015, Scotland, Blantyre
- 10.4. July 2015, Warwick

10.5. List of Actions

Ongoing

Actions Ref	Action	Action by	Action Due	Status
1013-01	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.	AH	by next meeting	
1013-12	SPT to confirm whether Strathaven/Harker works are still required with the change of the generation background.	DA		
0114-07	Provide an update on the progress of non load-related PLDs	MP		
0114-11	AH to put an ENSG paper together on non-firm access	AH		
0114-24	VH to investigate Livelink and Huddle	VH		ongoing - requested LL a/c - not appeared
0429-04	SPT & SHETL to review. (Denny SGT Overload)	DA/BP		
0429-05	SPT & SHETL to review and update. (TORI & PLD updates for Kintyre-Hunterston)	DA/BP		
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		
0429-07	Action for Investment Planning Group - to review the	SW		

	programme of work.			
0429-11	KD to pick up issues with TOCAs and templates as part of Performance Excellence.	KD	Oct '14	Initiative to be led initially be Ben Obiri-Bonney validating latest template versions with the TOs
0429-14	BA to circulate round a file note on Security of Supply - progress so far and key findings. Re-assigned to RP	RP		<p>What is the probability of being in the region of (3.8-4.5) - what can we do about or do to improve transfers? With no generation in Scotland there are issues (depending on how extreme the assumptions are). Security to Scotland - are we comfortable 3.8 is a big enough number for Winter going forward? Do we want RP and the team to look at what we need to do to improve the load sharing?</p> <p>What is the probability that transfers would exceed 3.8 in the Winter period?</p>

New

0710-01	KD to agree and review as part of working group priorities and timescales on planning requests already made.	KD	by next meeting	
0710-02	KD to organise for Liena Vilde to speak to TOs regarding interface with ENA Working Group. TOs to nominate persons to be involved.	KD/LV TOs	by next meeting	
0710-03	KD to pull together a small working group to identify a range of solutions for consideration. DC to ask Transmission Ops and Distribution Ops colleagues to contribute.	KD/DC	by next meeting	
0710-04	AH to establish a review on how to manage data exchange (ref: Closed action 0114-22)	AH	by next meeting	

0710-05	XZ to feedback following 2nd October Workshop comparing models used to study network performance in light of increasing HVDC links with greater interaction.	XZ	by next meeting	
0710-06	With the exception of the weekly meeting subgroups to provide latest minutes from subgroups and pull out highlights to share with the JPC.	Subgroups	by next meeting	
0710-07	BP to review the flagging up of outages with conditions within SHET.	BP	by next meeting	
0710-08	AH/RP to set up a days workshop on NDP with SHET & SPT. BP and DC to nominate attendees.	AH	by next meeting	
0710-09	Modelling: All parties to action - where errors are identified or concerns, they are feedback in a constructive timely way.	All parties	by next meeting	
0710-10	XZ to create an action log to identify issues and resolutions to be included in minutes and Modelling team to address creating a process for ease of feedback.	XZ	by next meeting	
0710-11	Performance Excellence: KD/PS to set up a workshop in Scotland with TO reps.	KD/PS	by next meeting	Complete - positive meeting and follow up booked for October.
0710-12	Peterhead: AH to ask Karan to run a some quick studies on base load against current scenarios	AH	by next meeting	

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 required by the Modelling Subgroup	XZ		
1013-07	NGET confirm that no application had been received, but we had been requested to undertake a joint study to determine optimum landing point. Recommend JPC to sign off ToR and study results and ensure joint planning.	AH		
1013-08	NGET to provide information on Dynamic Line Ratings ETYS includes DLR. New actions see below.	AH		
1013-09	NGET to provide any requirements on the ANM scheme urgently. <i>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</i>	SO	June '14	The SO continues to support the introduction of ANM schemes and is proposing the introduction of an STCP to define the process of their design and management. Should a working group be convened it is hoped that an STCP could be issued early in 2015.
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	It is anticipated that ANM schemes will interface with the SO's future Energy

			<p>Balancing System (EBS) due in service in early 2015, which will perform a security constrained despatch of generation in the Balancing Market but also could perform an Automatic Generation Control (AGC) function. The rules used to constrain generation would need to be carefully considered depending upon their status e.g. small distribution connected, BELLA, BEGA and finally BCA holders not in the previous categories.</p> <p>The STCP would ensure that any algorithm forming a part of the ANM scheme, although TO owned, would discharge the obligations of the SO to NGET's satisfaction. The need for duplication of signals and the definition of acceptable fall-back modes of operation would also be defined such that any claim for compensation subsequent to any mal-operation could be dealt with fairly and efficiently.</p> <p>Should it not be possible for an ANM scheme to be delivered to NGET's requirements as SO, or correspond with the commissioning of a generator, then it is proposed that inter-tripping would be recommended and that this should be suggested to all relevant developers at an early stage such that this functionality becomes an integral part of their development and thus not funded by the SO or TO, as this would enhance that developer's prospect of access to the Transmission System. Thus communication and SCADA facilities would be available as a reversionary</p>
--	--	--	--

				solution.
1013-11	NGET to initiate discussions with SPT in relation to the Kilgallioch ANM scheme and other similar schemes	BA		
1013-13	NGET to confirm the status of the Chapelcross planning request <i>Require a point of contact - acknowledgement</i>	KD	June '14	<p>Scope of works:- Protection at Harker 132kV will be replaced to be made compatible with SPT proposed changed. A P443 relay module to upgrade existing protection shall be designed, supplied, installed and commissioned at the Harker 132kV substation for the Harker-Chapelcross 132kV circuit. The protection will include (but is not limited to) the following functions: Feeder Protection Main Integral Inter-trip to Main Feeder Protections The new feeder protection will be integrated with existing DAR, Overcurrent, O/L Alarm and Trip, Overload Delay Timer Relay 1&2, Synchronising and TR Reset Timer.</p> <p>There was debate between NG and SPT about the responsibility of the cross-site fibre works. SPT is expecting NG to carry out works to connect into the 400kV substation and NGET is only expecting to provide the fibre connection from relays to the SPT comms panel in the 132kV telecoms room believing SPT would match same point of service as existing (132kV). SPT have noted that the termination point for multiplexed services is at the 400kV. This is yet to be confirmed.</p> <p>The outages be moved to 12/10/15 – 9/11/15</p>

				as advised by SPT.
1013-14	NGET to liaise with SHET to decide on the scope of works required under the Longanet Inter-trip planning request. Provide any justification that we see for the upgrade	KD/BP	June '14	First teleconference was held on 20 June 2014, the next is planned for mid-July when SPT expect to have some initial programme information.
1013-15	NGET to update the Construction Planning Assumptions as soon as practicable. Short Term - current CPAs being updated from July 2013 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.	VH		
1013-16	NGET to update on the Grid Code modification in relation to W24 Submissions	KD	July '14	The Industry Consultation, in conjunction with the DCRP, was published on 25 February 2014 and closed on 25 March 2014. National Grid has submitted the Report to the Authority and barring issues should be complete by the end of August. This being the case, provided that the Grid Code changes can be implemented fairly quickly it is quite possible for the data to be a part of the 2015 data process that starts in week 17.
1013-17	NGET to start the discussions internally on this the embedded generation issues.	AH	June '14	NG looking at internal and embedded generation on access rights, connection process, against planning codes & planning standards - as volume doesn't just net off some demand anymore. Has been placed on the ENSG Agenda. Discussions are ongoing.
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 No major concerns	KD		
1013-20	OC subgroup needs to work with OFTOs to clarify the concerns and propose a code change if required. Proposal made recommendation to GS and e-mailed this to interested parties for info.	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 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		
1013-25	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	Briefing note to NGET staff attached. New Action 0710-03 raised
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	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.			
0114-01	Mark Osborne to provide an update on the success around the Humber Smart Zone. AH to follow-up with MO	AH/MO	June '14	Installed dynamic ratings (weights) and now collecting information ready for analysis in about 12 months' time.
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	<p>There have been a number of Planning Requests related to this but the future low level of availability anticipated for PEHE and LOAN generation dictates that we reappraise the issues.</p> <p>It is recognised that the request by SPG to resolve the long-standing issue at LOAN may still need to be resolved (Action 1013-14) and I've asked for their input, but that the need for communication system improvements between STHA and PEHE yielding a 35ms improvement in response has now gone.</p> <p>KD has been in contact with the power station and waiting response to query regarding continuing need for resolution of the unit selectivity issue.</p> <p>The potentially low level of conventional plant availability does leave a potential issue in the management of B6 boundary under high wind</p>

				<p>generator output conditions; hence the submission of the planning requests PR_2014_SHET001 and PR_2014_SPT001.</p> <p>The benefit of the B6 I/T scheme for the 2013/4 year being ~£147,000/intertrippable MW thus making the design and use of these schemes economic on the assumption that scheme arming and utilisation costs are proportionate.</p> <p>No significant benefits in reducing clearance times.</p>
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 information from the Week 24 submissions.	AH/BA		Guidance note will be produced.
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	AH		

	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.			
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		
0114-12	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	<p>During discussion by the subgroup KD advised that he is proposing an STCP Modification Proposal to create a new STCP specifically for ANM schemes in the expectation that a working group will be convened to consider this and the wider issues created by such schemes, including the interaction with I/T schemes. This has been approved by the STC Panel.</p> <p>It is anticipated that ANM schemes will interface with the SO's future Energy Balancing System (EBS) due in service in early 2015, which will perform a security constrained despatch of generation in the Balancing Market but also could perform an Automatic Generation Control (AGC) function. The rules used to constrain generation would need to be carefully considered depending upon their status e.g. small distribution connected, BELLA, BEGA and finally BCA holders not in the previous categories.</p> <p>In the interim NGET are not proposing to</p>

				<p>suspend development of ANM schemes but that these or inter-trip schemes will need to be addressed on an individual needs basis until an agreed formal strategy is adopted. NGET is anticipating that the AGC (automatic generation control) algorithms that are being considered for the new Energy Balancing System may be a way forward and that the SO and TOs can get their experts to discuss the possibilities in due course. It is not anticipated that a formulaic approach to setting a complexity limit is necessary as each project would be approached on its merits.</p> <p>Note: The EBS does so-called network-secure dispatch and hence an export limit for a region may be set.</p>
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 will be considering the application. Set up meeting with John Twomey, AH & BA.	AH/BA	June '14	
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	KD		

	the NG Reactive Working Group subsequently wound up.			
0114-18	OA Group to review and update relevant STCPs and update PLD pro-forma.	OA SubG	June '14	<p>KD advised that a draft of STCP18-1 is to be re-circulated to potential contributors shortly and has been submitted to the June 2014 STC Panel for comment and for subsequent issue.</p> <p>KD advised that STCP11-1 is presently being slightly amended to reflect the agreement to incorporate feedback from current year planning into the longer term planning process, but issue is not anticipated until November 2014.</p> <p>Consideration of changing STCP11-3 is to perform outage costing in year 1 is outside the remit of the JPC-OA (which covers years 3-8). It is considered that this is the responsibility of the Project Coordination and Progress Review sub-group's remit.</p> <p>The PLD pro-forma is considered adequate in its current form by the JPC-OA (STCP16-1 refers), and is the responsibility of the JPC-IP.</p>
0114-19	OA Group to update and re-circulate ToR following meeting in March.	OA SubG		Completed 27 March 2014.
0114-20	All subgroup to inform JPC on proposed timescales for updating STCPs. JPC will then feed this back to the STC committee. <i>VH to follow-up with subgroups</i>	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	VH	May '14	Agreed at ENSG to keep reporting on projects

	projects included in the ENSG templates. VH to arrange for end of May			
0114-22	AH to feedback Schedule 3 review to STC alongside STCP reviews and Boundary of Influence data exchange?	AH	June '14	
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. Investment Planning Group to follow up on this.	AH		
0114-27	MB to set up teleconference when agenda is circulated.	MB		
0429-01	Investment Planning Subgroup to report back following their meeting in May. Ref Bol.	SW/AH		Agenda item
0429-02	BP/AH to check if Paul Nielsen has had any involvement with CBAs.	BP/AH	June '14	Yes
0429-03	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.	JPC members	June '14	Agenda item
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	CION process used to look at this - worked quite well. Only challenge in adopting the CION process in an application timescale is difficulty in getting decisions made that meet

				everyone's timescales. Needs a lot of discipline time wise.
0429-09	BP to review. (updated CSSs)	BP	July '14	Spoke to Jim Molley - Resource Issue - request to prioritise a list.
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	First teleconference held 19 June 2014 AH volunteered to circulate notes on meeting.
0429-12	KD to review chairmanship for Project Coordination and Progress Review subgroup.	KD	July '14	As SNPT is split by TO in terms of review and management and staffing, this will be split between Kanan Ganakesavan (SPT) and Stephen Nyemba (SHE-T).
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	Dates circulated 10/07/2014
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	Workshop scheduled for 2nd October to compare models and will feedback following the meeting.
0429-16	KD to email round (current projects in scope for inter-tripping)	KD	May '14	Completed May '14
0429-17	VH to include full membership details on JPC Subgroups report.	VH	July '14	Completed July '14