

**JOINT PLANNING COMMITTEE**  
**Minutes**  
Tuesday 21<sup>st</sup> July 2015  
National Grid, NG House, Warwick

**Attendees:**

Brian Punton	SHET	Andy Huthwaite	SHET
Craig McTaggart	SPT	Diyar Kadar	SPT
Hannah Kirk-Wilson (Chair)	NGET	James Whiteford	NGET
Keith Dan	NGET	Amanda May	NGET
Kevin Tse	NGET	Sade Onajobi	NGET
Vivien Hobbs (Tech Sec)	NGET	Beth Ashton	NGET

**Apologies:**

Julian Leslie	David Adam
Richard Proctor	Nick Harvey
Biljana Stojkovich	Sheriff Ilesanmi
Xiaoyao Zhou	

**1. Introductions**

- 1.1. **Hannah Kirk-Wilson**, GB Connections Assessment Team
- 1.2. **James Whiteford**, GB Outage Planning Team
- 1.3. **Amanda May**, System Design Sponsor Team Manager (NGET TO)
- 1.4. **Kevin Tse**, Power Systems Engineer
- 1.5. **Beth Ashton**, Modelling
- 1.6. **Sade Onajobi**, Power Systems Engineer

- 2. Safety Moment** – Consider preparedness for car journeys; view local weather forecasts, suitable clothing, driving conditions and possible lack of mobile phone signals, especially in remote areas.

**3. Sign off minutes from last meeting**

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

**4. Review Actions from last Meeting**

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

The following follow-up/ongoing actions were identified:

- 4.2. **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. **JL to raise at STC Panel Meeting**
- 4.3. **210715-01 Action:** VH to find original communication to Ofgem regarding arrangements for confidentiality of information in respect of OFTOs. JPC to consider re-issuing that communication following the response from the STC Panel Meeting.

- 4.4. **0114-07 Action:** Provide an update on the progress of non load-related PLDs. **AM to forward PLDs**

With regards to non load-related PLDs NGET TO are looking to accelerate a number of the asset replacement works, which has provided a challenge in terms of paperwork. This is being discussed at Joint Technical Planning Meetings (JTPMs) and AMs team are working hard to provide PLDs as and when they are required and are liaising with the SO to understand requirements in Scotland.

Timescales – dependant on Bol.

- 4.5. **0429-14 Action:** SW to circulate round a file notes on Security of Supply – progress so far and key findings. Pass to JPC-IP to propose a way forward and report back to JPC. **To be brought up at next JCP-IP.**

- 4.6. **1125-04 Action:** Bol Paper to be circulated. **KD to re-send**

To be re-circulated and re-open discussion.

- 4.7. **1125-04 Action:** Enabling/Wider decision tree - **KD to re-send**

To be re-circulated and re-open discussion.

- 4.8. **0127-04 Action:** NG PLDs exchange – Interconnector NorthConnect/Blythe CION Process. **Blythe in Progress. AM to circulate once reviewed.**

- 4.9. **042915-01:** Does NorthConnect require a retrospective CION or mini CBA? Review connection arrangements for NorthConnect – confirm whether we need any additional optioneering or process of assessment. Maybe we need to think in the context of Cap and Floor and if that means we need to do any further work. **BP to write to Karan.**

- 4.10. **0127-06 Action:** Extend PLD Process to larger TO. **VH to issue.**

- 4.11. **0127-09 Action:** Explore in own organisations how best to take Black Start forward? Agree who will take a lead at the next meeting. Consult internally. **KD to speak to Pete Chandler. ALL – to speak to local reps and highlight that JPC will be reviewing the status.**

Working Group has been set up. KD to request a status update from Pete Chandler for the JPC to include where we are at, what are the plans looking like, where we've got revised arrangements.

- 4.12. **042915-02 Action:** BS to liaise with Nick Harvey for IP Subgroup and revise ToR for Offshore Coordination sub-group to include Interconnectors and provide to JPC for review. **HKW to follow up.**

- 4.13. **042915-04 ACTION:** Regarding Wk24 DRC Data. **XZ to speak to Nina to send an update of the records.**

To be included in next Modelling Subgroup meeting on the 30<sup>th</sup> July.

- 4.14. **042915-08 ACTION:** Regarding Data Exchange. **KD to investigate a secure FTP site (Glyn Williams).**
- 4.15. **042915-10 ACTION:** Regarding lack of updates regarding GSR16. **KD to liaise with Ben Marshall to circulate timeline.**
- Ben Marshall has taken the lead on GSR16. Due to be published April 2016.
- 4.16. **042915-11 ACTION:** GSR16 Concerns. **BP to raise at SQSS Panel**
- 4.17. **042915-12 ACTION:** SQSS Treatment of Interconnectors. **HKW to follow up with Nick Harvey**
- 4.18. **042915-13 ACTION:** Provision of Data to Generators. **Ivo to draft an SO Position Statement**
- 4.19. **270715-02 ACTION:** Add Embedded Generation update for next meeting and circulate timeline to JPC. **KD**

## **5. Subgroup Reports:**

### **5.1. Project Co-ordination**

- 5.1.1. KD reported that there were no issues and that meetings were proceeding successfully.

### **5.2. Operational Assessment – KD**

- 5.2.1. Last meeting 18th May
- 5.2.2. During meeting went through major schemes upcoming in SP area and timescales, outage profiles.
- 5.2.3. Received good feedback from NG Current Year staff, looking at major schemes and discussing best placements of years for outages.
- 5.2.4. Brought up to speed on East Coast projects and timings of different phases.
- 5.2.5. PLD references will appear on TOGA requests (agreement from SP & SHET)
- 5.2.6. TOR change - current year Wokingham staff now in attendance.

- 5.3. **270715-03 ACTION:** Operational Assessment ToR have been updated. **KD to circulate.**

### **5.4. Offshore Coordination**

- 5.4.1. Diyar - Minutes of last meeting supplied – no comments

### **5.5. ETYS**

- 5.5.1. Chapter 5 - out of ETYS - now published separately (SOF - system operability framework)
- 5.5.2. Not sure if Chapter 4 (Network Development and Opportunities) will be in ETYS or wait until the first NOA Report is published in March – waiting for Ofgem to deliver their decision.
- 5.5.3. BP: Should there be a separate subgroup for NOA or be integrated into

ETYS or IP? Needs to be formally agreed.

**5.6. 270715-04 ACTION:** Review subgroups at next meeting. **VH to circulate current TORS and add Agenda item**

**5.7. Investment Planning**

5.7.1. No update from IP subgroup

**5.8. Modelling – XZ**

5.8.1. Minutes of last meeting supplied – no comments

**6. PLDs**

6.1. Presentation received from BA and SO on the importance of PLD data and how it affects modelling.

6.2. **270715-05 ACTION:** SO to provide TOs with examples of good and bad PLDs.

**7. Strategic Wider Works Updates**

**7.1. SHET – AHu**

7.2. **East Coast** – Needs Case pushed back and put on hold until FES15 generation scenarios published. Revisit the CBA, as it appears to be the shift in background generation that appears to be pushing the investment out. Impact of the position on CfDs, we have some particularly large offshore windfarms that are still to secure CfD which have a high bearing on the outcome in terms of sensitivity. Carry out a CfD review. Re-run optimum timing and investment arrangement, which will either confirm that we have a project for 2020/21 or will indicate a further movement. This will inform the requirement for bringing forward the Needs Case or indicate a further delay depending on the outcome.

7.3. **The Islands** – currently waiting for CfD and State Aid Clearance announcements.

**7.4. SPT – CMcT**

7.5. **Dumfries & Galloway** - need case is proposed end of year/early next.

**7.6. NG – AM**

7.7. **North West Coast Connection** - B7/B6 boundary (close to) - in discussion with Scot TOs on impact.

**8. Joint Projects Updates**

**8.1. SHET - AHu**

8.2. **Beaully-Denny** – energised final section, Final commissioning due. On target for November completion.

8.3. **Kintyre Hunterston** – Crossaig substation complete and commissioned, Crossaig-Carradale 132kV OHL complete, 2 x Subsea cables are laid. On target for Oct '15 energisation.

8.4. **Beaully-Blackhillock-Kintore** – into final phase – due to complete in October this year.

**8.5. SPT – CMcT**

8.6. **Beaully-Denny** – onto final section. On programme.

8.7. **Series Compensation** – Outages still an issue for Eccles.

- 8.8. **Western Link** - GIS over half-way through, steel erection almost complete, transformers delivered. On programme.
- 8.9. **Hunterston East** – On programme.

## 9. Working Groups

- 9.1. **ENSG - AHu**
- 9.2. Received a presentation on FES, looking at key aspects of this years FES scenarios, and some of the changes which generated a bit of a debate.
- 9.3. Ofgem went through the ITPR final conclusions and proposals around onshore competition – reflective of the consultation
- 9.4. DECC went through a view on the focus of the ministers following the government appointments.
- 9.5. **SQSS - DK**
- 9.6. **GSR10** – guidance notes have been published on the website.
- 9.7. **GSR21** - Consultation document produced by Bless in draft form, which will now be shared with the wider stakeholders.
- 9.8. Ofgem have asked all TOs to review their derogations to check that they are still valid.
- 9.9. **GSR18** and **GSR08** meetings due to take place shortly.
- 9.10. Discussion around what is appropriate for the SQSS working group to look at in terms of reviewing the SQSS, providing guidance notes and documents of common understanding. A review of scaling factors was considered appropriate as these have not been looked at for a number of years, however position statements probably don't sit with this group.
- 9.11. **270715-06 ACTION:** Discuss a review of scaling factors at the next SQSS. **BP to raise**
- 9.12. **STC - HKW**
- 9.13. Improvements to the revenue forecast information provision. Recognising that updates are carried out quarterly but information tends to be provided 6-monthly. Proposal to move to bi-annual updates.
- 9.14. ANMs (KD) – minor edits from TOs which have mostly been incorporated. ANM will be STCP-26-1 which is now with the Secretariat for issue. A guidance note which sets out our approach to ANMs is also due to be published on the website.
- 9.15. Update to STCP-19-5 (process for issuing FSKN to prospective OFTOs) currently with NGET looking at the legal wording.
- 9.16. **ENTSOE**
- 9.17. No update at this time – NH to provide future updates.

## 10. AOB

## 11. Dates of next meeting

- 11.1. 6<sup>th</sup> October 2015 – Newbridge
- 11.2. January 2016 – Blantyre
- 11.3. April 2016 – Warwick
- 11.4. July 2016 - Newbridge

## 1.1. 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.	JL to raise under AOB at STC panel	ONGOING	It was agreed to cancel the action. This was a result of events have surpassed this issue and the world has moved on.
0429-14	<p>Circulate round a file note on Security of Supply - progress so far and key findings.</p> <p>Pass to JPC-IP to propose a way forward and report back to the JPC</p> <p>To be raised at next JCP-IP meeting.</p>	SW	ONGOING	<p>In Circulation</p> <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>
1125-04	Bol Paper to be circulated Jan JPC	KD	by next meeting	Keith to circulate
1125-07	Enabling/Wider decision tree - SW to send flow diagram to TOs	KD	By next meeting	Keith to circulate
0127-04	NG PLDs exchange - Interconnector NorthConnect/Blythe CION Process.	KD speak to Cheng Chen	By Next Meeting	

0127-06	Extend PLD Process to larger TO.	VH/KD	By Next Meeting	
042915-01	Does NorthConnect require a retrospective CION or mini CBA? Review connection arrangements for NorthConnect – confirm whether we need any additional optioneering or process of assessment. Maybe we need to think in the context of Cap and Floor and if that means we need to do any further work.	BP	By Next Meeting	BP to write to Karan regarding mini-CBA
0429-02	BS to liaise with Nick Harvey for IP Subgroup and revise ToR for Offshore Coordination sub-group to include Interconnectors and provide to JPC for review.	HKW	By Next Meeting	HKW to follow up
042915-04	Regarding Wk24 DRC Data. XZ to speak to Nina to send an update of the records.	XZ	By Next Meeting	The 2015 w24 update will be done in JPC modelling subgroup meeting on 30 <sup>th</sup> of July
042915-08	Regarding Data Exchange. KD to investigate a secure FTP site (Glyn Williams).	KD	By Next Meeting	
042915-10	Regarding lack of updates regarding GSR16. KD to request timetable from Ben Marshall for circulation.	KD	By Next Meeting	Looking to publish by next April. Ben Marshall leading.
042915-11	GSR16 Concerns. ALL - Go back to reps to highlight concerns regarding impacts of SQSS	BP	By Next Meeting	BP to raise at SQSS Panel
042915-12	SQSS Treatment of Interconnectors. HKW to follow up with SW/NH	HKW	By Next Meeting	
042915-13	Provision of Data to Generators. KD to seek guidance – suggest creating a forum which includes legal representation, led by Commercial? Can we agree a list of data which we can or cannot exchange. Ivo Spreeuwenberg to lead? Seek representation from SHET & SPT.	KD/Ivo	By Next Meeting	Ivo to produce a position statement.

## New

210715-01	VH to find original communication to Ofgem regarding arrangements for confidentiality of information in respect of OFTOs. JPC to consider re-issuing that communication following the response from the STC Panel Meeting.	VH	Before Next Meeting	Emailed to HKW for JL – copy attached
270715-02	Add Embedded Generation update for next meeting Agenda and circulate timeline to JPC. KD	VH/KD	By Next Meeting	
270715-03	Operational Assessment ToR have been updated. KD to circulate.	KD	By Next Meeting	
270715-04	Review subgroups at next meeting. VH to circulate current TORS and add Agenda item	VH	By Next Meeting	
270715-05	SO to provide TOs with examples of good and bad PLDs.	SO	By Next Meeting	
270715-06	Discuss a review of scaling factors at the next SQSS. BP to raise	BP	By Next SQSS 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.  <b>Decision made.</b>	KL/SN		
1013-04	KL to liaise with GW and SM to decide if STCP 11.1	KL/SN		

	and STCP 16.1 are better kept separate or not.			
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.  <b>Outages include reference to PLDs</b>	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. <b>Recommend JPC to sign off ToR and study results and ensure joint planning.</b>	AH		
1013-08	NGET to provide information on Dynamic Line Ratings  <b>ETYS includes DLR. New actions see below.</b>	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.  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
1013-10	NGET to clarify the main application of the wider system ANM scheme. <b>KD to report back with priorities and agree a timetable</b>	KD	June '14	

				<p>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 solution.</p>
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 <b><i>Require a point of contact - acknowledgement</i></b>	KD	June '14	<p>Scope of works:-</p> <p>Protection at Harker 132kV will be replaced to be made compatible with SPT proposed changed. A P443 relay module to upgrade</p>

				<p>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:</p> <p>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&amp;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 as advised by SPT.</p>
1013-14	NGET to liaise with SHET to decide on the scope of works required under the Longanet Inter-trip planning request. <b>Provide any justification that we see for the upgrade</b>	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.	VH		

	<p><b>Short Term - current CPAs being updated from July 2013</b></p> <p><b>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.</b></p>			
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	<p>NGET to check concerns about voltage control</p> <p><b>No major concerns</b></p>	KD		
1013-20	<p>OC subgroup needs to work with OFTOs to clarify the concerns and propose a code change if required.</p> <p><b>Proposal made recommendation to GS and e-mailed this to interested parties for info.</b></p>	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  <b>The commercial aspects have been considered before taking the decision to put it out to consultation again.</b>	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. <b>More clarity required. High priority. Action reassigned to KD to reflect on and provide proposals.</b>	KD	June '14	Briefing note to NGET staff attached. New Action <b>0710-03</b> raised
1013-26	NGET to issue the voltage control Planning Request to SPT  <b>Complete - 7th Feb</b>	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. <b>AH to follow-up with MO</b>	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. <b>Action reassigned to KD to report back by mid-June</b>	KD	Mid-June	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>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 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	AH/KD		

	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. <b>KD Reported back</b>			
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. <b>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.</b>	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. <b>Options being discussed - defer to subgroup to resolve.</b>	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</p>

				<p>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 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	AH/BA	June '14	

	with John Twomey, AH & 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.	KD		Code amendments have been proposed.
0114-17	KD to provide a brief following the meeting. <b>STC</b>	KD		Section K has been reviewed as adequate and 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. <b><i>VH to follow-up with subgroups</i></b>	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. <b><i>VH to arrange for end of May</i></b>	VH	May '14	Agreed at ENSG to keep reporting on projects
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. <b><i>Investment Planning Group to follow up on this.</i></b>	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 timewise.
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
1013-12	SPT to confirm whether Strathaven/Harker works are still required with the change of the generation background.	DA		CLOSED  Still including these works in some connection offers
0114-11	AH to put an ENSG paper together on non-firm access	AH		CLOSED  Completed - Circulate!
0429-04	SPT & SHETL to review. (Denny SGT Overload)	DA/BP		CLOSED  No plans to install 2nd transformer
0429-06	Action for Investment Planning Group - on reflection we get a number of applications - in ETYS should	SW		CLOSED

	we periodically do a joint stability study.			
0429-07	Action for Investment Planning Group - to review the programme of work.	SW		CLOSED - moved to JPC-IP responsibility
0429-11	KD to pick up issues with TOCAs and templates as part of Performance Excellence.	KD		CLOSED  Under way - Jim Molley to lead
0710-01	KD to agree and review as part of working group priorities and timescales on planning requests already made.	KD	by next meeting	CLOSED  ANMWG - trial to be arranged
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	CLOSED
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	CLOSED  Circulated a paper. Control Room agreeable.  If there are no distribution circuits connected to those 33kV bars our Control Room are prepared to take control of them - otherwise they won't.
0710-04	AH to establish a review on how to manage data exchange (ref: Closed action 0114-22)	AH	by next meeting	CLOSED  RP update ETYS - EMR Team debate
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	CLOSED  Still not working well focus needs to be maintained.  Workshop Held - Plan in place to compare and fwd PF Model to SPT
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	CLOSED

0710-07	BP to review the flagging up of outages with conditions within SHET.	BP	by next meeting	<p>CLOSED</p> <p>Outages dependent upon wind has been annotated. Wind has to be below 40% for the outages to be secure.</p> <p>Local arrangements put in place - SQSS Review taking place</p>
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	<p>CLOSED</p> <p>Action for Modelling Group</p> <p>Process in Place</p>
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	CLOSED
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	<p>CLOSED</p> <p>Prepared an internal note which was shared with System Design - where we sat and thought about different ways of doing wider and enabling works and what from an SO we are comfortable with - which comes back to the number of generators you control - is it enabling or do you have sufficient generation, you've got enough control actions that can make it wider. Obviously if it's wider - it gives us more time to do it. SW to share process later in the meeting.</p>

0114-24	VH to investigate Livelink and Huddle	VH	COMPLETE	COMPLETE  Now have access to LL (will now work out how to set up a group)  KD to liaise with VH regarding usage.
0429-05	SPT & SHETL to review and update. (TORI & PLD updates for Kintyre-Hunterston)	DA/BP	COMPLETE	AHu to cross check with Mahesh (one of the PLDs requires a small tweak?)  COMPLETED – new TORI and PLD received 15/01/2015
1125-05	Connect & Manage - how does that relate to Peterhead, how do we release capacity? What really breaks the system?	SW	COMPLETE	completed later in the same meeting
1125-02	Modelling – B6 Solution? AH to take up with SW	SW	CLOSED	To be wrapped up into Action 0429-14
1125-03	Xiaoyao to invite Vandad Hamidi to next JPCMG to discuss modelling of Large Windfarms and sharing of information with Scottish TOs	XZ	By next meeting	?
1125-06	PLDs - TOs to provide response to proposed process	DA/BP	by next meeting	CLOSED
1125-08	Ref minute 3.1.1.6 - Xiaoyao to follow up and review governance	XZ	By next meeting	
0710-08	AH/RP to set up a day's workshop on NDP with SHET & SPT.	SW	by next meeting	COMPLETED
1125-01	Circulate ENSG paper on non-firm access to JPC members	AHu	by next meeting	COMPLETED
0127-01	XZ considering use of detailed models and speaking to Mark Horley.	XZ	By next meeting	
0127-02	Modelling subgroup to add standard agenda item to discuss wk24 data - check recent submission and ensure it's passed on to the TOs.	XZ	By next Modelling Group Meeting	CLOSED – completed
0127-03	1 week to give update on when we can receive PLDs with caveats.	DA	03/02/2015	CLOSED – Delivered as per agreement with KD Team

0127-05	Diyar to chase 4-letter code for Kendoon PLD?	DK	By end of week	CLOSED
0127-07	AHu to provide feedback on the role of the ENSG.	AHu	By Next Meeting	CLOSED
0127-08	Reflect on content that JPC might benefit from ENSG Discussion. Advise JL or AHu	ALL	By Next Meeting	CLOSED – Feedback to DECC and OFGEM
0127-11	Sade Onajobi/Tolu Esan to provide comments on drafts sent	SO/TE	By Next Meeting	CLOSED
0127-12	Sade Onajobi to provide list of outstanding CSSs to SPT	SO	By Next Meeting	CLOSED
0127-13	KD to speak to M O'Connor regarding statement re: Caithness outages.	KD		CLOSED – re: when doing the year ahead plan build we agreed a caveat that went into the TOGA outage plans “subject to wind conditions or control of small embedded generation” such that the outage could take place. Agreed with GWood at YA timescale. Current Year colleagues tried to re-negotiate that without success. MO’C happy with original statement however there is difficulty releasing outages in real time. Caithness issues have now been resolved through NG contracts.
0114-07	Provide an update on the progress of non load-related PLDs.	AM	CLOSED	Moved to regular Agenda Item
0127-09	Explore in own organisations how best to take Black Start forward? Agree who will take a lead at the next meeting. Consult internally.	ALL	CLOSED	Working Group has been set up. KD to request a status update from Pete Chandler for the JPC to include where we are at, what are the plans looking like, where we’ve got revised arrangements.
0127-10	KD to investigate BELLA register.	KD	CLOSED	Will flow through into the next circulation of the Construction Planning Assumptions.
042915-03	Concern relating to interaction between converters and LWF. XZ will ask MH to update.	XZ	CLOSED	Mark’s view is that the way to model it is to model the effect of LWF through modifying

				the converter model at the common coupling point. He is happy to provide further explanation if he is contacted directly.  BP to contact MH directly.
042915-05	In regards to site changes add "What has happened since the last meeting" to Modelling agenda. XZ.	XZ	CLOSED	The agenda has been included in JPC modelling subgroup meeting on 30th of July
042915-06	Regarding external access to new SharePoint rollout. KD to provide IS contact name to XZ	KD	CLOSED	Completed
042915-07	Regarding changes at Hunterston-Torness (EDF).DA to send email to XZ to confirm he is aware of a change with a generator's plant, for XZ team to follow up to the generator along the lines of "we believe you may be changing plant or have changed plant, and would you ensure that you are complying with the Planning Code and supply an appropriate DRC"	DA XZ	CLOSED	E-mail were received from David, thanks. We made the date request to EDF (Andy.vaudin), but so far no update was received. We are chasing on it. FYI: in 2014 W24 response, EDF stated "Please note, however, that a Generator Transformer exchange process is underway across the nuclear fleet. These are like-for-like exchanges, so there will be no significant changes to the DRC data, but the DRC schedules will need to be updated and the new Generator Performance Charts appended. It is proposed to include all of these updates in the 2015 Week 24 submissions." So we should receive update this year.
042915-09	Regarding requests for updated CSSs. KD/SO to email DA with expected changes for CSSs at Hadyard Hill, Auchencrosch, Dalmally	KD/SO	CLOSED	Complete
042915-14	Issues regarding Embedded Generation - can we wait for high level meeting to kick-off? We can begin to nominate people from TO operations/ control room, Commercial and DNO (DSO scenario) to starts the conversations. Joint Technical/Commercial. KD - speak to Dave Witherspoon? TOs to nominate representation.	KD	CLOSED	KD reported back that the initial meeting had taken place and that things were now moving forward quite quickly. Nominations received from TOs.
042915-15	Regarding agreements with caveats. AHu to speak to DMcK to raise issues regarding building a robust	AHu	CLOSED	DMcK to be the ultimate sign off for outages, will be looking at provisions within the NAP

	plan and getting sign-on for agreements with caveats.			now that Ofgem have signed it off, and is putting in a Commissioning Team to look at interface of project delivery and long term outage planning.
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