

**Minutes of meeting to:**

Distribution Code Review Panel (DCRP) P2 WG P2  
Review Monthly Meeting 6

**Copied to:**

David Spilliet DCRP P2 WG  
NERA attendees  
Imperial College attendees  
DNV GL attendees

**MoM. No.:**

16011094/5

**From:**

DNV GL

**Date:**

22/6/2015

**Prep. By:**

Colin MacKenzie

**DCRP P2 WG P2 Review Project**

**Time/Place:** 11:00 – 14:00, Electricity Network Association, 6th Floor, Dean Bradley House, 52 Horseferry Road, London SW1P 2AF, meeting room 4. Also via conference call facility.

<b>Participants:</b>	Steve Cox (Electricity North West ) (Chair)	MK
	David Spillett (Energy Networks Association)	DS
	Suzanne Huntley (Northern Ireland Electricity)	SH
	Andy Beddoes (Scottish Power Energy Networks)	ABe
	Ben Marshall (National Grid) (via conference call)	BM
	Joe Duddy (RES)	JD
	Mark Kilcullen (DECC)	MKK
	Alan Creighton (Northern Powergrid)	AC
	Peter Towmey (Electricity North West )	PT
	Colin MacKenzie (DNV GL)	CMacK
	Alan Birch (DNV GL)	ABi
	Goran Strbac (Imperial College London)(From 12:00)	GS
	Richard Druce (NERA) (from 11:45)	RD
<b>Appologies:</b>	Tony Berndes (Western Power Distribution)	TB
	Chris Marsland (AMPS)	CM
	Gareth Evans (Ofgem)	GE
	Will Monnaie (Scottish Southern Energy Power Distribution)	JS
	Bob Weaver (Power Con)	BW
	Saeed Ahmed (GTC-UK)	SA
	Alan Boardman (UK Power Networks)	ABo

**P2 Review Working Group Monthly Meeting 5**

**1. Meeting objectives**

The main objectives of the meeting were to:

- Review progress on actions from the last meeting,
- Provide a brief update on progress to date and any issues,
- Provide some initial high level feedback and examples of the analysis completed by GS and the imperial team in relationship to:
  - Economic efficiency of P2/6
  - Contribution of non network resources to network security
  - Dealing with HILP events

- Identify and agree a date for an internal workshop to allow Goran Strbac to present results from Imperial analysis as outlined in the previous bullet point.
- Provide update to the project timeline and identify the re-planned tasks and the associated time lines.

### Agenda

1	Introductions welcome to ENA and housekeeping ( <i>Fire Procedure etc.</i> )	SC	11:00
2	Statement on aim of meeting and key agenda items	C MacK	11:10
3	Review of actions from last meeting.	C MacK	11:15
4	Brief update on progress to date and tasks programmed over next month.	C MacK	12:00
5	Review of P2 Review Programme and impact of data gathering progress.	C MacK	12:15
	Break		13:00
6	AOB	SC	13:30
7	Summary review of new actions	C MacK	13:50
8	Next Meeting – 29 July 2015		14:00

### 3. Review progress on actions from the last meeting.

CMacK went through the summary list of actions outstanding from the previous meetings, see list in Appendix A. Any amendments or updates to the outstanding actions are noted below in the red text.

### Summary of Amended Actions

		Action/Responsible/Due Date
<b>What has changed over the last 18 months</b>		
3	Smart Grid Forum WS 7 project, DCRP P2 WG to provide Consortium with update on project outputs that could have an impact on the P2 review. Based on meeting on 26 Feb 2015 MK is to provide the presently available report setting out the WS7 project, followed by a soon to be published report first WS7 report setting out the scope.	<p>The available WS7 report was provided by ENA on 2 March 2015. <b>Action complete.</b></p> <p>The first WS7 report to be provided by DCRP P2 WG by 30 March 2015 subject to report release date. <b>Ongoing SC to check with Ofgem (GE) how the interactions with WG7 may be handled with the P2/6 review.</b></p>

Action/Responsible/Due Date

	<p>Consortium to consider impact of WS7 information provided by DCRP P2 WG on P2 review. WS 2 activity for NERA and Imperial.</p> <p>GS, RD /Consortium PM/during workstream 2.</p>
<p>11 DCRP P2 WG is to advise any other party that they would wish to peer review the modelling inputs and out puts in anticipation of a public consultation on proposals that may be justified (in part) by evidence produced using Imperial's techno-economic model.</p>	<p><b>Ongoing</b></p> <p>DCRP P2 WG/DS/ by 23 Feb 2015.</p> <p><b>Outstanding</b> (agreed on 27/3/2015 to leave this open for further discussion with Ofgem would raised this item) <b>SC to discuss this with Gareth Evens of Ofgem.</b></p>
<p>2.3 DS to provide the consortium with the names and contact details of the key individuals at each DNO who should be interviewed directly as part of work stream 2 (i.e. individuals responsible for setting policy for the DNO's network planning teams to follow).</p>	<p>DS/ DS/ 23 March 2015</p> <p><b>CLOSED:</b> The Consortium to assume Tony Berndes is the only contact for time being.</p>
<p>5.1 DNOs to get the missing RRP data for QoS to Peter Twomey of ENWL ASAP to allow him to send the full anonymised RRP data pack to the consortium by 29 may.</p>	<p>Abo,AC,Abe,TB,WM/DS/29 May 2015.</p> <p><b>CLOSED:</b> PT reported that 14/14 sets of data have been delivered to Imperial with on set missing from one of the data sets – GS confirmed that there was sufficient data and he would respond if the one missing set was absolutely necessary to complete the analysis</p>
<p>5.2 DS to speak with AC of NPG regarding the need to get the missing RRP data for QoS to Peter Twomey of ENWL ASAP, as AC was not on the call</p>	<p>DS/DS/28 June 2015</p> <p><b>CLOSED:</b> See 5.1</p>
<p>5.3 DNOs to complete the P2 questionnaire and return to ABi prior their interviews. All DNOs to arrange interview dates with ABi ASAP.</p>	<p>Abo,AC,Abe,TB,WM/DS/29 May 2015.</p> <p><b>Ongoing – interviews to be arranged with SSEPD, WPD and SPEN – no questionnaires have been provided from these DNOs – also awaiting completed questionnaire from UKPN and NPg</b></p>
<p>5.7 The DCRP P2 WG members are to provide there written feedback on RD's MEMO on the WS2.7 report.</p>	<p>All/DS/5 June 2015</p> <p><b>CLOSED:</b> RD indicated that there had been useful feedback to the draft but a further draft would not be issued as the next stage was to use the output of the discussion to produce the initial draft of the WS report for review by the WG.</p>

		Action/Responsible/Due Date
5.8	DS to establish if the July 29 meeting can be moved to accommodate Goran Strbac's request.	DS/DS/12 June 2015  <b>CLOSED:</b> Meeting with remian on 29 July but will be held via conference call – WG members will be able to attend also athe ENA office
5.9	DS to establish if the November 25 meeting can be moved to accommodate Steve Cox's request.	DS/DS/12 June 2015  <b>Ongoing:</b> discussed but no agreed outcome
5.10	DS to ensure John Scott comments to the 1 May stakeholder event mailbox are circulated to all DCRP P2 WG members.	DS/DS/12 June 2015  <b>CLOSED:</b> DS provided J Scotts comments to WG members

#### 4. Brief update on progress to date and tasks programmed over next month.

CMacK presented a summary of progress to the 14 June, see table below. The formal progress report was provided to the WG Friday 19 June.

Work Stream	% completion last month	% completion this month
<b>WS1</b>	100	100
<b>WS2.0 Stakeholder interviews (intimate)</b>	20	50
<b>WS2.1 Framework for assessing security performance and measures and characteristic network designs</b>	70	75
<b>WS2.2 Service quality and cost effectiveness of the delivered to consumers by the present network design practises</b>	40	40
<b>WS2.3 Risk associated with asset replacement, common mode failures and high impact events</b>	20	30
<b>WS2.4 Impact of Smart Grid technologies on service quality risk profile</b>	20	30
<b>WS2.5 Assessment of impacts of alternative control and operation strategies on security of supply</b>	20	30
<b>WS2.6. Loss inclusive design of distribution networks and impact on security of supply</b>	15	25
<b>WS2.7: Alignment of security of supply standard in distribution networks with other codes and schemes</b>	20	20
<b>WS2.9: Options for future development of distribution network standard including 1st Iteration of the Techno economic Model</b>	0	5

**Progress:** Key points noted on progress were:

1. The Regulatory Reporting Pack (RRP) data identified from ongoing DCRP P2 WG/Consortium collaboration has been anonymised by Peter Twomey of ENWL and provided to the Consortium including Imperial. GS confirmed that they had the data from Peter. There were some reports missing for one DNO area for one report but it was not felt by Peter that the omission of this would delay the analysis work. Peter's/ENWL's efforts were acknowledged in assisting all DNOs to provide their data in a common anonymised format which has avoided longer delays to the programme. Since Imperial had only just started reviewing the RRP data it would take a week to ten days before Imperial could confirm if the data is sufficient or advise what additional information is required. GS is to report back on this, see summary action 6.2.
2. Again to avoid the programme slipping further there is a need for urgency in the DNOs, completing and returning the Consortium questionnaire and setting up interview dates to review the responses to the questionnaire. The outstanding questionnaires to be provided to the consortium were identified as: UKPN, SSEPD, NPG, SPEN and WPD. Work to identify suitable dates for the interviews was proceeding but not all dates had been agreed. DNOs were requested to provide available dates with a view to completing all interviews by end of June as indicated in the following table:

Participants	Contact Name	Date
UKPN	Alan Boardman	25 June
SSEPD	Will Monnaie	?
SPEN	Andy Beddoes	?
WPD	Tony Berndes	?
ENWL	Mike Kay	Thur 28th May
NPG	Alan Creighton	30 June
Ofgem	Gareth Evans	Mon 1st June
DECC	Mark Kilcullen	Thurs 21 May
Nat Grid	Ben Marshall	Tue 11th June

3. CMack advised that a detailed review of progress against the existing programme showed that any slack in the programme had now been utilised awaiting the RRP data provided through Peter and that WS2 was now approximately 4 weeks behind schedule.
4. CMack indicated the activities planned for next month now that the data packs had been made available, including the completion of the interviews with all DNOs.
5. WS 2.3 – GS requested that actual examples of HILP events were provided by DNOs for further analysis. A draft request has been developed by CMack and GS and sent to DS for circulation to the DCRP P2 WG members. However, it was agreed that GS should review this again and ensure it detailed what he was looking for prior to circulation (see actions 6.5). The question was raised concerning Ofgem reporting of HILP events (from the DPCR5 Policy Review) and whether such reporting could be of use – GE to be approached by SC.

6. RD briefly reviewed the feedback from the draft memo for the WS2.7 report, and confirmed that the feedback would be included in the WS2.7 draft report; there was no intention to provide an update to the memo with the feedback comments. The draft WS2.7 report is work in progress and will be presented at the next planned full WG meeting on 19<sup>th</sup> August.

#### **4.1. Initial presentation of the WS2.1 analysis work**

GS provided an early view and initial presentation of the on-going analysis work that he would like to present in full at a DCRP P2 WG workshop to gain WG feedback.

The slides followed three main themes and sought views of the key parameters for:

- Economic efficiency of P2/6
- Contribution of non-network solutions to network security
- Dealing with HILP events

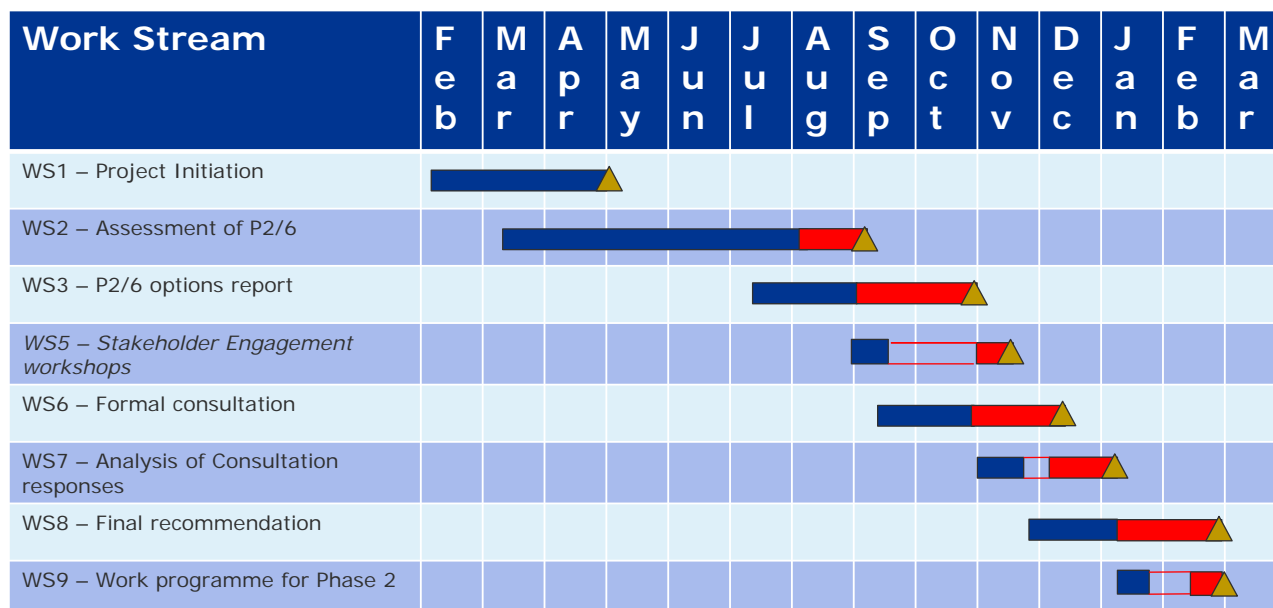
GS indicated that he could provide the DCRP P2 WG workshop on the following 8, 20 or 24 July and also that Imperial could provide the room for the workshop. GS has a preference for 20 July. DS is to arrange a date with the DCRP P2 WG members.

#### **5. Review of P2 Review Programme and impact of data gathering progress**

CMack presented the revised project schedule following the analysis of the impact of the provision of DNO data (RRP data) and the slow progress to confirm interview dates with the DNOs.

The delays to date in gathering the data for Imperial's modelling and analysis at present has added 4 weeks to the WS2 programme. The start of WS3 for the DCRP P2 WG to have an internal workshop and agree the content and conclusions of the options report has been delayed by 4 weeks. Taking into account experience of how the DCRP P2 WG operates, the WS 3 task time line has been extended by a further 4 weeks. The stakeholder engagement workshop for the options report agreed by the WG at WS3 will now be scheduled for November and the phase 1 project completion will now be at the end of February. Some work has been identified to be completed in parallel (WS8 and the Final Recommendations in the form of WS9) to help bring the overall programme delay down to 5 weeks.

The delay to the programme will have an impact on DNV GL's project management costs – action on CMack to provide details of the cost impact to DS and SC.



▲ = defined deliverable

**6. AOB**

ABi indicated that an updated version of the Questionnaire had been circulated to a list of other interested parties for completion. The questionnaire was the same form and contents as the one provided for the DNOs with certain DNO specific questions “greyed out” but left legible for transparency of the process.

SC will write to the members of the DCRP P2 WG to ask for their co-operation in completing the questionnaire and arranging the follow-up interviews.

It was noted that the next WG meeting on 29<sup>th</sup> July would be via teleconference but members could also attend at the ENA office.

Meeting was closed by SC

**7. Summary Review of new actions.**

	<b>New Action</b>	<b>Action/Responsible/Due Date</b>
6.1	Consider the impact of WS7 outcomes on the P2/6 project – discussion between GE/Ofgem	SC/DS/29 July
6.2	Imperial is to review the RRP data provided and confirm that this is acceptable or to advise what additional data is required.	GS/CMacK/3 July
6.3	Imperial analysis review workshop requested for 20 <sup>th</sup> July or alternatively 8 <sup>th</sup> or 24 <sup>th</sup> July, venue will be Imperial College, – DS to get the date agreed with the DCRP P2 WG members and advise GS	DS 3 July
6.4a	GS would like details of HILP network events – GS to review draft request and DS to then to circulate to WG members.	GS/DS/3 July

New Action	Action/Responsible/Due Date
6.4b Consortium to investigate if HILP event details are publically available from Ofgem,	GS/CMack/17 July
6.4c GE to confirm if Ofgem holds any details from DPCR5 reports.	GE/DS/ 3 July
6.4d DS to investigate if ENA hold any records/reports	DS/DS/ 3 July
6.5 SC will write to the members of the DCRP P2 WG to ask for their co-operation in completing the questionnaire and arranging the follow-up interviews.	SC/3 July
6.6 CMack to advise dates from the revised programme for the WS5 stakeholder event workshop to present the Option Report, to be held in November	CMack/DS/ 29 July
6.7 C Mack to advise DS and SC of the cost impact of the delay to the programme resulting from the issues gathering data for WS2.	CMack/29 July
6.8 It was agreed that the next meeting will be a conference call on 29 <sup>th</sup> July – ENA to confirm to WG members	DS/DS/3 July

**Next Meetings**

The programmed next meetings for the DCRP P2 WG are:

DCRP P2 WG Meeting No.	Date
7	Wednesday 29 July via Teleconf
8	Wednesday 19 Aug
9	Wednesday 23 Sept
10	<del>Wednesday 28 Oct</del> Provisionally moved to Tuesday 27 Oct, DS to confirm.
11	Wednesday 25 Nov
12	Friday 18 December

1. All meetings will commence at 10:30 at the ENA unless advised otherwise.
2. Any material for circulation prior to the meeting should allow sufficient time for WG members to read prior to the meeting and as a minimum should allow 2 working days.



**Appendix A Summary of Outstanding Actions at 1 May 2015**

		Action/Responsible/Due Date
<b>Recap on the key P2 study issues</b>		
<b>What has changed over the last 18 months</b>		
1	Consortium to consider the impact of relevant LCNF projects now they are more mature, special examples could include Electricity North West 's C2C project and DSR related projects in general on the P2 review. WS 2 activity for NERA and Imperial.	GS, RD/Consortium PM/during workstream 2.  <b>Ongoing</b>
2	RIIO price control period commences with a new interruption incentive scheme, etc. Consortium to consider impacts during WS 2 techno-economic modelling. WS 2 activity for NERA and Imperial	GS, RD /Consortium PM/during workstream 2.  <b>Ongoing</b>
4	Losses has been raised as a key issue by Ofgem driven by EU directives. Consortium to review and include in techno-economic assessments. WS 2 activity for NERA and Imperial.	GS, RD /Consortium PM/during workstream 2.  <b>Ongoing</b>
5	Any issues relating to supply security in the latest ENTSO-E 10 year plan should be considered for potential impact on the P2 review. WS 2 activity for NERA and Imperial.	GS, RD /Consortium PM/during workstream 2.  <b>Ongoing</b>
<b>Consortium proposals to conduct the P2 review</b>		
11	DCRP P2 WG is to advise any other party that they would wish to peer review the modelling inputs and out puts in anticipation of a public consultation on proposals that may be justified (in part) by evidence produced using Imperial's techno-economic model.	DCRP P2 WG/DS/ by 23 Feb 2015.  <b>Outstanding</b> (agreed on 27/3/2015 to leave this open for further discussion with Ofgem would raised this item)
<b>Overall governance</b>		
12	Consortium to ensure all corespondance with DCRP P2 WG comes from the Consortium PM to David Spillet as the single points of contact in each organisation.	All consortium members/Consortium PM/ <b>ongoing</b> .
2.1	Regarding actions not carried out by the DCRP P2 WG, CM is to chase DS to resolve these issues.	CM/CM/ <b>Ongoing</b>
<b>Stakeholder Engagement</b>		
		Action/Responsible/Due Date

		Action/Responsible/Due Date
What has changed over the last 18 months		
5.3	DNOs to complete the P2 questionnaire and return to ABi prior their interviews. All DNOs to arrange interview dates with ABi ASAP.	Abo,AC,Abe,TB,WM/DS/29 May 2015.  Ongoing – interviews to be arranged with SSEPD, WPD and SPEN – no questionnaires have been provided from these DNOs – also awaiting completed questionnaire from UKPN and NPg
5.6	CMack to find out who the replacement contact at RenewableUK will be for Zoltan Zavody.	CMack/CMack/5 June 2015.
5.9	DS to establish if the November 25 meeting can be moved to accommodate Steve Cox's request.	DS/DS/12 June 2015  Ongoing: discussed but no agreed outcome