

Minutes of meeting to:

Distribution Code Review Panel (DCRP) P2 WG P2
Review Monthly Meeting 12

Copied to:

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

MoM. No.:

16011094/12

From:

DNV GL

Date:

18/12/2015

Prep. By:

Colin MacKenzie

DCRP P2 WG P2 Review Project

Time/Place: 10:30 – 14:15, ENA conference room 4.

Participants:

| | |
|---|-------|
| David Spillet (Energy Networks Association) | DS |
| Alan Boardman (UK Power Networks) | ABo |
| Stephen Tucker (UP Power Networks) | ST |
| Alan Creighton (Northern Powergrid) | AC |
| Peter Aston (Western Power Distribution) | PA |
| Mark Kilcullen (DECC) | MKK |
| Peter Twomey (ENWL) | PT |
| Saeed Ahmed (GTC-UK) | SA |
| Colin MacKenzie (DNV GL) | CMacK |
| Goran Strbac (Imperial College London) | GS |
| Predrag Djapic (Imperial College London) | PD |

Appologies:

| | |
|--|-----|
| Chris Marsland (AMPS) | CM |
| Steve Cox (Electricity North West) (Chair) | SC |
| Will Monnaie (Scottish Southern Energy Power Distribution) | WM |
| Bob Weaver (Power Con) | BW |
| Gareth Evans (Ofgem) | GE |
| Suzanne Huntley (Northern Ireland Electricity) | SH |
| Andy Beddoes (Scottish Power Energy Networks) | ABe |
| Ben Marshall (National Grid) | BM |
| Alan Birch (DNV GL) | AB |
| Richard Druce (NERA) | RD |
| Tony Berdes (Western Power Distribution) | TB |
| Alan Collinson (Scottish Power Energy Networks) | AC |
| Joe Duddy (RES) | JD |

P2 Review Working Group Monthly Meeting 12

1. Meeting objectives

The main objectives of the meeting were to:

- To have a group discussion session with Goran Strbac on feedback from the WG members so far on Imperial's WS2.1 to 2.6 report "Review of Distribution Network Security Standards", issued on 10 Nov 2015 to all WG members.
- Brief update on outstanding actions from the last meeting.
- Brief update on progress to date and progress issues.

Agenda

| | | | |
|---|--|-----------------|--------------|
| | | | |
| 1 | Introductions welcome to ENA and housekeeping (<i>Fire Procedure etc. for those attending in person</i>) | SC/DS | 10:30 |
| 2 | Statement on aim of meeting and key agenda items | C Mack | 10:40 |
| 3 | Chance for WG members to discuss their respective feedback with each other on the Imperial report "Review of Distribution Network Security Standards", and to discuss with G Strbac | G Strbac | 10:45 |
| 4 | Break | | 12:30 |
| 5 | Review of actions from last meeting. | C Mack | 13:00 |
| 6 | Brief update on progress to date and progress issues. | C Mack | 13:30 |
| 7 | AOB | SC | 13:40 |
| 8 | Summary review of new actions | C Mack | 13:50 |
| | Next Meeting – TBA | | 14:00 |

3. Group discussion session on feedback from the WG members so far on Imperial's WS2.1 to 2.6 report.

GS presented a slide pack with the core comments on the Imperial report and also how Imperial would respond to these. Actions arising out of this discussion included:

- Regarding the £10bn to £18bn potential saving of the "ideal answer" GS is to provide some guidance on potential timescales this could be over. Since savings from the model are based on load growth it was suggested that the NG FES load growth scenarios may be a useful guide to provide some timescale context in the report.
- The concept of redundancy between N-0 and N-1 (e.g. N-0.25, N-.5 and N-0.75) had caused some confusion for some members and requires a clear explanation at a key point in the report. CMack reinforced this view indicating that unless this concept is clearly understood the results tables in the report summary cannot be understood, suggested that a footnote explanation could be added to the report summary at the first point the terminology is used. GS is to add a clear explanation of the N-0.75, N-0.5 etc. terminology to the report at key points e.g. the first encounter in the report summary.
- The concept of reducing redundancy below N-1 requires that some customers would be switched off post circuit outage to allow the remaining circuit to operate. DNO members expressed that this "goes against the grain" to reduce the service availability to customers. The regulator would need to decide if this is the way forward and direct the DNOs. CMack is to ensure the issue of

switching off customers to achieve redundancy between N-1 and N-0 and the DNO's issue with this is to be highlighted and discussed in the WS2.9 report.

- Regarding the subject of peer review discussed, GS is to make clear what Imperial modelling work used for the P2 review has previously been used and reviewed by others, and what associated papers have been published.
- GS is to issue the slide pack of core comments and Imperials planned responses to the WG in the next few days.

5. Review progress on actions from the last meeting.

Outstanding actions were reviewed and updated where appropriate. Updates to the actions are shown in red.

Summary of Amended Actions

| Action Description | Action/Responsible/Due Date |
|---|---|
| 3 Consortium to consider impact of WS7 information provided by DCRP P2 WG on P2 review. WS 2 activity for NERA and Imperial. | GS, RD /Consortium PM/during workstream 2. Ongoing |
| DCRP P2 WG to check with Ofgem how interactions with WS7 may be handled. | Ongoing (meeting 6) SC to check with Ofgem (GE) how the interactions with WG7 may be handled with the P2/6 review. (Meeting 7) SC has spoken with GE and GE is happy to act as link to WS7 works. Meeting 12. With the publication of the Imperial report and WS2.7 report this action is now complete. |
| 8.7 SC provided high level feedback to the materials presented to the review meeting on 20 July (SC's email was circulated to WG members on 31 July 2015 by CMack, see Appendix A for SC's email) – other WG members were asked to review and agree that SC's comments cover their own organisations' view or provide their own feedback to Goran's presentation. To date most DCRP P2 WG members have not responded. | All DCRP P2 WG members to indicate their agreement that SC's feedback covers their own organisation's views or to provide their own feedback by 4 Sept 2015. Meeting 9. CMack has not seen any evidence of this. SC to chase responses from other DNOs. Meeting 10, DS asked that CMack circulate the SC comments to all WG members again and that if any WG members wish to add to or disagree with SC's comments they should send their responses to SC/DS/CMack by Friday 30 Oct. A NIL response will be taken as agreement with SC's comments. CMack has recirculated SC's comments on 28 Oct 2015. Action on WG members to respond by 30 Oct 2015. Meeting 12. Based on the time elapsed and the stage of the project, this action is now taken as complete. |

| Action Description | Action/Responsible/Due Date |
|---|--|
| 10.2 RD is to advise BW when he can release the WS2.7 report to his trade members. | RD as soon as feasible. Meeting 11. Outstanding. Meeting 12. RD has confirmed that final WS2.7 report can be released by BW to his TA members. Noted by DS that final WS2.7 report had not been circulated to WG members. CMack to circulate the final WS2.7 report to WG members, see new action 12.6 |
| 10.3 AB to contact BW and advise who at REA he discussed the questionnaire response with. | AB by 13 Nov 2015. Meeting 11. Outstanding. Meeting 12. ABi has advised that the questionnaire response from REA was discussed with Frank Gordon and it was agreed that an interview was not required as all responses were clear and required no clarification. DS/ by 6 Nov 2015. |
| 10.4 SC suggested that a couple of conference call slots are arranged during the review process of the WS2.9 and Imperial supporting quantitative analysis report to allow members to compare notes. DS to conduct a doodle poll of members for a suitable date and time before and after the 24 Nov WG meeting. CMack suggest that based on the expected dates for issue of the Imperial report and WS2.9 report that DS targets weeks commencing 16 Nov and 30 Nov. | Meeting 11. Outstanding. Meeting 12. This action has timed out and is closed. |
| 10.7 With regards to the WS2.7 report now clarifying the distinction between a deterministic standard that targets average reliability, and one that sets de minimis requirements, RD is to provide with more guidance on this difference. | RD/ 6 Nov 2015. Meeting 11. Outstanding. Meeting 12. This is done in the final version of the WS2.7 report. CMack to circulate the final WS2.7 report to WG members, see new action 12.6. |
| 11.1 Note that in the WS2.9 options report comment will be required on the uncertainty of discount rates and time horizons of CBA analysis. Also that the present regulatory regime does not recognise uncertainty and hence may require changes. This would be a risk to how CBA's are done. RD to have a look at this issue for the WS2.9 Options report. | RD/3 Dec 2015. Meeting 12. Outstanding. |
| 11.2 Noted that Smart Grid Form WS2 looked at real option value modelling. RD to consider this for the WS2.9 options report. | RD/3 Dec 2015. Meeting 12. Outstanding. |

| Action Description | Action/Responsible/Due Date |
|---|---|
| 11.4 Subject to the date agreed for return of comments on the Imperial draft quantitative analysis report, CMacK is to provide a revised programme. | CMacK/by next WG meeting subject to previous action. Meeting 12. Since comments on Imperial report were not due in until revised date of 18 Dec, this action is moved to the January 2016 WG meeting. |

6. Brief update on progress to date and progress issues.

CMacK presented a short verbal summary of progress to 13 Dec 2015. The formal progress report was circulated to all WG members prior to the meeting (Email from CMacK on 21 Nov 2015). C MacK outlined the following:

- Final date for comments on Imperial WS2.1 to WS2.6 report is 18 Dec 2015. Imperial are already working through comments and updating their report. The final report is targeted for 11 Jan 2016.
- The WS2.9 options report has been held back to consider the comments on the Imperial report. The consortium is in the process of agreeing the final conclusion section. This report is likely to slip to start of January due to the Christmas break.
- DS has confirmed that the ENA events team is targeting the 9th or 10th of March 2016 for the WS5 Industry workshop.
- The draft WS2.9 report needs to be reviewed by the WG and the final content and conclusion agreed by mid-February. At this point it will have become the WS3.0 Options report and will be ready for release to the wider industry prior to the WS5 industry workshop on the 9th or 10th of March.
- CMacK noted that the progress report issued for Dec had not updated the progress shown for WS2.9. CMacK to correct the Dec progress report and reissue to the WG.
- CMacK is to update the P2 Review program and advise the WG of future key program dates at the next WG meeting in January.

7. AOB

DS advised proposed dates for DCRP P2 WG meetings in 2016 based on the revised forecast programme duration, these are as follows. All meetings will be at the ENA office in London.

- Tuesday 26 January 2016
- Thursday 25 February 2016
- Wednesday 23 March 2016
- Wednesday 20 April 2016
- Wednesday 25 May 2016
- Thursday 23 June 2016
- Wednesday 27 July 2016

DS tabled an email from BW with comments on the Imperial report and also a note on some outstanding actions. DS is to forward BW comments on the Imperial report to GS. Regarding BW's note on outstanding actions, comments on these are noted in red below.

- Whom did Colin speak with at the REA (This is an outstanding issue already on the outstanding issues register)? **See update on action 10.3 in these minutes.**
- Can you confirm that none of the TA's (demand or generation) has been included within the individual consultation process. **All TA's listed by the WG were sent the WS2.0 consultation questionnaire. If there was a requirement to clarify any TA responses from those that chose to respond, this would have been carried out by phone discussions by the Consortium. However, all TA responses were very clear so no calls were required.**

- When can we have a copy of the finalized full documents for circulation. **Assuming this refers to Imperial report, see agenda item 6 minutes above. Assuming this refers to the WS2.7 report see update on action 10.2 in these minutes.**
- When can we have a copy of the final proposals (would be useful if this was separate document to save reading the full document?) **Assuming this refers to the WS2.9 options report, see agenda item 6 minutes above.**
- When is it the intention to hold the workshop?..... I would like to discuss with the TA's and in advance of the Workshop - and January is already getting filled up in diary! **See agenda item 6 minutes above.**

Meeting was closed by SC

8. Summary Review of new actions.

| New Action | Action/Responsible/Due Date |
|--|-----------------------------|
| 12.1 Regarding the £10bn to £18bn potential saving of the "ideal answer" in the Imperial report, GS is to provide some guidance on potential timescales this could be over. Since savings from the model are based on load growth it was suggested that the NG FES load growth scenarios may be a useful guide to provide some timescale context in the final report due on 11 Jan 2016. | GS/11 Jan 2016 |
| 12.2 The concept of redundancy between N-0 and N-1 (e.g. N-0.25, N-.5 and N-0.75) in the Imperial report had caused some confusion for some members and requires a clear explanation at a key point in the report. GS is to add a clear explanation of the N-0.75, N-0.5 etc. terminology to the report at key points e.g. the first encounter in the report summary. Final report due out 11 Jan 2016. | GS/11 Jan 2016 |
| 12.3 The concept of reducing redundancy below N-1 requires that some customers would be switched off post circuit outage to allow the remaining circuit to operate. DNO members expressed that this "goes against the grain" to reduce the service availability to customers. The regulator would need to decide if this is the way forward and direct the DNOs. CMacK is to ensure the issue of switching off customers to achieve redundancy between N-1 and N-0 and the DNO's issue with this is to be highlighted and discussed in the WS2.9 report. | CMacK/11 Jan 2016 |
| 12.4 Regarding the subject of peer review discussed, GS is to make clear what Imperial modelling work used for the P2 review has previously been used and reviewed by others, and what associated papers have been published. | GS/11 Jan 2016 |
| 12.5 GS is to issue the slide pack of core comments and Imperial's planned responses to the WG in the next few days. | GS/24 Dec 2015 |

| New Action | Action/Responsible/Due Date |
|--|---|
| 12.6 CMaCK is to circulate the final WS2.7 report to WG members. | CMACK Action completed, email dated 18 Dec 2015. |
| 12.7 DS to forward BW comments on the Imperial report to GS. | DS Action completed by CMaCK, email to GS on 22 Dec 2015. |
| 12.8 CMaCK to correct the Dec progress report and reissue to the WG. | CMaCK/24 Dec 2015 |
| 12.9 CMaCK is to update the P2 Review program and advise the WG of future key program dates at the next WG meeting in January. | CMaCK/next WG meeting (indicated as 26 January 2016 at this stage). |

Next Meetings

The programmed next meetings for the DCRP P2 WG are:

| DCRP P2 WG Meeting No. | Date |
|------------------------|---|
| 13 | Tuesday 26 January 2016 (date to be confirmed by ENA) |
| 14 | Thursday 25 February 2016 (date to be confirmed by ENA) |
| 15 | Wednesday 23 March 2016 (date to be confirmed by ENA) |
| 16 | Wednesday 20 April 2016 (date to be confirmed by ENA) |
| 17 | Wednesday 25 May 2016 (date to be confirmed by ENA) |
| 18 | Thursday 23 June 2016 (date to be confirmed by ENA) |
| 19 | Wednesday 27 July 2016 (date to be confirmed by ENA) |

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.