



MINUTES

Grid Code Review Panel Meeting 15

Thursday 21st September 2006

10.00am – 3.00pm

Conference Room, Engineers Ireland
(formerly IEI), 22 Clyde Road, Dublin 4

Panel Members

<u>Name</u>	<u>Present</u>	<u>Role</u>
Simon Grimes	Y	Chairman
Andrew Ebrill	Y	CER Representative
Fergus Keane	Y	EirGrid Representative
Mark Norton	Y	EirGrid Representative
Brídín Ní Chonceanainn	N	Independent Electricity Suppliers Representative
Neil Bingham	Y	Independent Generators (CCGT) Representative
Peter Gillespie	Y	Independent Generators (non-CCGT) Representative
Donal Phelan	Y	Transmission Asset Owner Representative
Paddy O'Kane	Y	Renewable Generators Representative
Chevron Nolan	Y	Public Electricity Supplier Representative
Stephen Walsh	Y	Alternate ESB Power Generation Representative
Pat O'Donnell	Y	Directly Connected Customers Representative
Rónán ÓhÓgartaigh	Y	Distribution System Operator Representative

Other Attendees

<u>Name</u>	<u>Present</u>	<u>Role</u>
Michael Preston	Y	SONI observer
Robert Lane	Y	SONI observer (advisor)
Andrew Ebrill	Y	CER (advisor)
Mark Kenyon	Y	TSO (advisor)
Doireann Barry	Y	TSO (advisor)
Emma Fagan	Y	GCRP Secretary

1. Agenda

- i. Welcome to New Members
- ii. Approval of minutes of GCRP Meeting 14
- iii. Review of action Items from GCRP 14
- iv. Review modification proposals
- v. Update on Grid Code implications arising from the Single Electricity Market
- vi. Arrangements for next meeting
- vii. AOB

2. Welcome

- 2.1 S. Grimes welcomed the new members, alternates and advisors who had not previously attended a meeting.
- 2.2 S. Grimes welcomed all to the first Grid Code Review Panel hosted by EirGrid.
- 2.3 Each member introduced themselves.

3. Approval of minutes of GCRP Meeting 14

- 3.1 The minutes were deemed approved by the Chairman.

4. Review of Action Items from GCRP Meeting 14

- 4.1 OC11 has been considered further by EirGrid, ESB Networks and ESB Power Generation and a revised proposal shall be presented at today's meeting.
- 4.2 EirGrid shall be presenting a modification proposal on the definition of "Availability" at today's meeting.
- 4.3 P. O'Kane has had very little response from the manufacturers regarding his queries relating to the speed of response of the AVR system for wind farms. As the panel has seen no evidence regarding this modification proposal it is therefore proposed to withdraw this modification request. P. O'Kane to confirm this within 2 weeks.
- 4.4 EirGrid shall be providing an update on the progress of the Grid Code Harmonisation for SEM work. EirGrid also circulated a draft consultation process in July 2006.
- 4.5 EirGrid has contacted the 7 non-compliant Demand Customers advising of the details of modification proposal MPID 133, and advising of and initiating the derogation process if applicable.
- 4.6 EirGrid shall be seeking nominations for the Renewables Representative in the coming months.

5. Review of Modification Proposal – MPID141 – Safety Co-Ordination

M. Kenyon presented the revised proposed modifications to OC11.

- 5.1 In summary this modification deals with a general updating of OC11, reference to the latest legislation and safety rules and replacement of references to ESB National Grid.
- 5.2 It was agreed to replace the word "at" in the proposal for OC11.5.1 to "for".
- 5.3 S. Walsh queried what would take precedence if the legislation did not line up with Safety Rules. R. ÓhÓgartaigh responded that the ESB Networks Safety Rules mainly stated requirements such as "an approved method of work" must be utilised and therefore a discrepancy should not arise.
- 5.4 In OC11.5.2 (e), E. Fagan clarified that the use of the word "identity" refers to the role or the title of this person, not necessarily their name.
- 5.5 It was agreed to add a comma after the words "at" and "point" in OC11.5.5 and after "at" in OC11.5.6.

5.6 Incorporating these minor changes as above, EirGrid is to submit the proposal to CER for approval.

6. Review of Modification Proposal - MPID147 – Site Responsibility Schedule

F. Keane presented the modification proposal on Site Responsibility Schedule in section CC.14 and clause OC11.5.2, as was presented earlier by M. Kenyon on the modification proposals on OC11. The proposal was recommended for approval by the panel.

7. Review of Modification Proposal – MPID154 – Modify the Grid Code for EirGrid

S. Grimes referred to the documentation that was circulated in early July and to the more recent version with some minor changes that was circulated with the Agenda. S. Grimes invited comments on the document and the proposed modifications. No comments were received. The proposal was recommended for approval by the panel.

8. Review of Modification Proposal – MPID155 – Typo

The proposal was recommended for approval by the panel.

9. Review of Modification Proposal – MPID157 – Grid Code Derogations

The proposal was recommended for approval by the panel.

10. Review of Modification Proposal – MPID158 – Minimum Load

F. Keane presented on this modification proposal.

The modification proposal intended on capturing the fact that if a gas turbine that is ordinarily part of a CCGT is running in the absence of a steam turbine, it must have a minimum load of 50% of the usual rating of that turbine.

N. Bingham stated that this modification created additional anomalies, especially in light of the imminent SEM and the new Trading and Settlement Code and would need to be considered further in this context. N. Bingham also raised an issue concerning registration of plant. In N. Bingham's opinion the same minimum load should apply even when a CCGT is running in open cycle mode.

It was also stated that there are also wide differences between the technical capabilities of different CCGTs and that there could be maintenance issues in requiring a CCGT to run below minimum load. F. Keane highlighted the importance of plant meeting minimum load requirements.

N. Bingham and EirGrid to discuss further over the next month.

11. Review of Modification Proposal – MPID163 – Change to WFPS1 Wind Farm Power Station Provisions

D. Barry presented on the proposed modifications to WFPS1.

P. O’Kane agreed to send D. Barry the responses received from the manufacturers regarding ramp rates and curtailment.

EirGrid to change references to “lower **Voltage**” to “lower voltage”.

EirGrid to revise clause WFPS1.7.1.1 (f).

P. O’Kane indicated that the manufacturers have indicated that the requirements for relaying of signals within 1 second and an accuracy of 0.5% are unachievable. EirGrid to reconsider proposal.

EirGrid to ensure references to “Business Day(s)” appear in bold.

EirGrid to re-circulate revised proposal within three weeks of meeting and forward to CER along with any additional comments received.

12. Review of Modification Proposal – MPID159 - Availability Definition

Fergus Keane presented on this modification proposal.

The Panel recommended the modification for approval.

13. Review of Modification Proposal – MPID161 – Generator de-loading rate to off

Fergus Keane presented on this modification proposal.

N. Bingham queried EirGrid’s choice of 40 minutes. F. Keane explained that this was chosen to mirror the hot start up time from synchronising to min load, and also because it reflected a reasonable time for a system operator to plan for the system when a unit is coming off load.

N. Bingham stated that 40 minutes could be problematic and that a time of 90 minutes (the equivalent of the warm start-up time) would be more suitable. N. Bingham also stated that it seemed EirGrid was trying to fix a problem that did not exist but D. Phelan stated that indeed it should be the role of the system operator. E. Fagan pointed out that the longer the permitted de-loading rate, the higher the possible cost to the TuOS customer. F. Keane queried what the actual technical limits of various plant might be. P. Gillespie stated that his plant would not have a problem with the proposed 40 minutes. N. Bingham stated that the proposed restriction may expose CCGTs to an additional uninstructed imbalance charge if they were unable to meet the newly restrictive ramp down conditions.

N. Bingham to send relevant information on CCGT plant to EirGrid within 2 weeks of meeting. EirGrid will take due consideration of this information prior to sending the modification proposal to CER.

14. Review of Modification Proposal – MPID164 – Acronyms

E. Fagan detailed the acronyms that are proposed to be deleted from the Grid Code. There were no further comments and the modification proposal was recommended for approval.

15. Review of Modification Proposal – MPID165 – Reactive Power Response from Wind Farms

P. O’Kane stated that some manufacturers had indicated to him that this is seen as a doubling of the requirement. E. Fagan stated that this was always the intention of the Grid Code but that it had not been stated clearly to date. In the past when manufacturers had sought further clarity on the issue, EirGrid had provided an explanation in line with the modification proposal. In the responses received

from manufacturers on this proposal, reference was made again to the problems surrounding the response time of 1 second (which was part of another proposal – see section 4.3 above. Again, P. O’Kane to confirm within one month of this meeting the status of that modification.

16. Update on plans for Single Electricity Market.

An update was provided to the Panel on the current plans for the Harmonisation of the Grid Codes in the North and South of Ireland for the *Single Electricity Market* (SEM).

Status:

The Grid Code Harmonisation workstream is highly reliant on numerous other workstreams such as System Planning workstream, Connection Management workstream, Outage Planning workstream, Utilities Legislation, Licences and Agreements workstream, Wind and Demand Side Units Workstream and the Near-time operations workstream amongst others. Each of these workstream is filtering through decisions and information to the Grid Code Harmonisation workstream, in order for them to consider what Grid Code changes need to be made. The Grid Code workstream is not pioneering these changes required for SEM, merely ensuring that they get reflected in the Grid Code in the correct way.

Governance arrangements:

- There shall continue to be two Grid Codes, one in the North and one in the South.
- Some clauses in both Grid Codes shall be replaced with identical text, in order to facilitate the new SEM on July 1st 2007.
- Other clauses in both Grid Codes shall be modified in order to facilitate the new SEM, but shall not contain identical text.
- Some clauses in the Grid Codes shall be identified as coming under “Common Governance”
- Clauses under common governance can only be modified following discussion at a meeting of the “Common Sections Grid Code Review Panel”.
- This “Common Sections Grid Code Review Panel” is made up of all the members of the EirGrid Grid Code Review Panel and the SONI Grid Code Review Panel.
- Each TSO then follows the usual route to apply to its relevant regulatory authority for approval of the modification.

Process

The Grid Code Harmonisation Workstream is working on both high level principle changes papers and also compiling a first draft of the text changes required for SEM. It is hoped that this documentation should be available for distribution to the panel by early December. It is proposed to have the next two Grid Code Review Panels as a joint meeting of both the GCRP in the Republic of Ireland and the GCRP in Northern Ireland. The first shall be in December 2006 in Belfast and the second in approximately February 2007 in Dublin.

17. Arrangements for next meeting

- 17.1** The Chairman suggested Wednesday December 13th 2006 in Belfast for the next meeting. There were no objections.

18. AOB

No Any Other Business was raised.

19. Action Items / Summary

- 19.1** EirGrid to submit all agreed and recommended modification proposal to the CER for approval.
- 19.2** EirGrid to incorporate the minor changes to OC11 as detailed in section 5 above prior to submitting to CER for approval
- 19.3** N. Bingham and EirGrid to discuss MPID 158 further over the next month.
- 19.4** EirGrid to re-circulate revised proposal for MPID 163 within three weeks of meeting and forward to CER along with any additional comments received.
- 19.5** N. Bingham to send info on CCGT plant de-loading rates to EirGrid.
- 19.6** P. O'Kane to confirm within one month of this meeting the status of the modification proposal on the AVR requirement of 1 second for wind farm power stations.
- 19.7** EirGrid to keep the Panel updated on progress on Grid Code Harmonisation for SEM work.
- 19.8** EirGrid to seek nominations for Renewable Representative in the coming months.

MINUTED BY : E. Fagan, GCRP Secretary