



NATIONAL GRID

MINUTES

Grid Code Review Panel Meeting 9

Tuesday 6th April 2004
9.30 am – 1.00 pm
Annesley Suite, Alexander Hotel

Panel Members

<u>Name</u>	<u>Present</u>	<u>Role</u>
Simon Grimes	Y	Chairperson
David Naughton	Y	CER Alternate Representative
Tom Wilson	N	Independent Generators >10MW Representative
Michael Power	N	ESB National Grid Representative
Barry Daly	N	Independent Electricity Suppliers Alternate Representative
Anne Trotter	Y	ESB National Grid Representative
Alan Keogh	N	Independent Generators <10MW Representative
Dave Byrne	Y	Transmission Asset Owner Representative
Paddy O'Kane	Y	Renewable Generators Alternate Representative
Mick Noone	Y	Public Electricity Supplier Representative
Christy Kelleher	Y	ESB National Grid Representative
Stephen Walsh	Y	ESB Power Generation Representative
Pat O'Donnell	Y	Directly Connected Customers Representative
Rónán Ó hÓgartaigh	Y	Distribution System Operator Alternate Representative

Other Attendees

<u>Name</u>	<u>Present</u>	<u>Role</u>
Therese Lannon	Y	ESB Power Generation Representative
Philip O'Donnell	Y	ESB National Grid Representative
Jane McArdle	Y	ESB National Grid
Emma Fagan	Y	ESB National Grid
Martin Stronge	Y	ESB National Grid
Liam Ryan	Y	GCRP Secretary

1. Agenda

Presentation on the new Wind Grid Code

- Introduction – Simon Grimes
- Fault Ride-Through – Martin Stronge
- Frequency – Emma Fagan
- Voltage – Jane McArdle
- Signals, Communications & Control – Emma Fagan
- Minimum Size – Simon Grimes

2. Presentations

2.1 S. Grimes made a presentation outlining the background to the development of the Wind Grid Code, the topic under consideration, the time lines and the outcome.

2.1.1 The following were the main comments/questions made following the presentation:

- D. Naughton advised that CER will be going for an approximate 2-week public consultation on the new Wind Grid Code.
- S. Grimes advised that the minutes (in draft form) from this meeting would be forwarded to the CER along with the new Wind Grid Code.

2.2 M. Stronge made a presentation on Fault Ride-Through aspects of the new Wind Grid Code.

2.2.1 The following were the main comments/questions made following the presentation:

- S. Walsh questioned whether the TSO needed to amend section 4.6 of the current Grid Code to include wind generation.

M. Stronge confirmed that the TSO will consider this.

- S. Walsh suggested that wind generation loss and weather conditions, as they relate to wind generation, should be considered as N-1 contingencies and that the Transmission Planning Criteria should be modified accordingly.

A. Trotter agreed to consider this further.

2.3 E. Fagan made a presentation on Frequency aspects of the new Wind Grid Code.

2.3.1 The following were the main comments/questions made following the presentation:

- S. Walsh suggested that the definition of “% Available Active Power” must be included in the new Wind Grid Code and that it may be preferable to have the actual settings for the slope on the “Power-Frequency Setting Range Chart/Frequency Control Curve” (A-B and C-D) equal to 4% droop as this will match the ramp rates of conventional generators.

S. Grimes confirmed that the definition would be included in the Wind Grid Code glossary and that– the Power-Frequency Control Curves settings will be specified by the TSO at least 6 months before the scheduled commissioning date and set during commissioning.

2.4 J. McArdle made a presentation on the Voltage aspects of the new Wind Grid Code.

2.4.1 There were no comments/questions.

2.5 E. Fagan made a presentation on the Signals, Communications & Control aspects of the new Wind Grid Code.

2.5.1 The following were the main comments/questions made following the presentation:

- R. Ó hÓgartaigh remarked that the means by which DSO connected wind farms would act in a Black Start situation needs a lot of further discussion between the TSO and DSO.

2.6 S. Grimes made a presentation on the Minimum Size appropriate for the new Wind Grid Code.

2.6.1 The following were the main comments/questions made following the presentation:

- S. Walsh remarked that the new market rules need to consider how wind farms who have to declare will be treated as the wind farms will not be participating in the new market.

Final Comments:

- S. Grimes advised the group that the draft Wind Grid Code provided during the meeting was a very early draft and should not be relied upon.
- S. Grimes advised that the TSO's Fault Ride Through, Frequency and Voltage papers associated with the new Wind Grid Code are available on its website and that the papers relating to Signals, Communications & Control and Minimum Size should be published by the end of the week. It was also confirmed that the Wind Grid Code that issues to CER will also be published by the TSO on its website.
- S. Grimes advised that the TSO had engaged the services of an Independent Technical Consultant to review the final (issued to CER) version of the Wind Grid Code. It is expected that any changes resulting from this review will not affect the technical aspects of the document.
- P. O'Kane, on behalf of the IWEA, commended ESBNG on their approach to the development of the new Wind Grid Code, the quality of the day's presentations and also on the documentation produced. He also advised that the IWEA would be meeting on 7/04/04 to agree their submission to ESBNG's proposed Wind Grid Code. He commented that one issue of concern for the IWEA might be one the Fault Ride Through requirements but that this would become clearer following their 7/4/04 meeting.
- Stephen Walsh on behalf ESB Power Generation echoed Paddy O'Kane's comments.

MINUTED BY : Liam Ryan, GCRP Secretary