



GB Grid Codes for Wind Energy

August Monthly Report

Prepared For
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1 Scope

Econnect is carrying out work for the British Wind Energy Association (BWEA) funded under a contract agreement DG/DTI/00035/00/00 between the Secretary of State for Trade and Industry and the BWEA.

A key deliverable of this contract is a monthly report to the BWEA members on key Grid Code issues and developments. The first of these monthly reports is presented in Appendix A in a format suitable for dissemination by the BWEA to its members.

2 Appendix A - GB Grid Code Representation for Wind Energy - Monthly Report for August 2004

2.1 GB Grid Code Implementation

The GB Grid Code (Issue 3) comes into effect on 1st September 2004 at the beginning of the BETTA transition period that will extend until the BETTA go-live date of 1st April 2005. Most of the provisions in the GB Grid Code that relate to Scotland will be 'switched off' until the go-live date, as the Scottish Grid code remains in effect until that time, however Ofgem retain the right to activate any of these provisions as they see fit during the transition period.

2.2 GB Grid Code Representation

Whilst continuing to represent the renewables for the remaining Scottish Grid Code Review Panel (SGCRP) meetings, Guy Nicholson of Econnect has also been nominated as the "Representative for Generators with Novel Units" on the Great Britain Grid Code Review Panel (GBGCRP), the first meeting of which is due on 23rd September.

2.3 Response to Scottish Grid Code Consultation on Technical Requirements for Wind Farms (Consultation Paper SA/2004)

Neil Sanderson (Scottish Hydro-Electric Transmission Ltd) as secretary to the SGCRP has formally replied to the BWEA in response to the points that were raised on this consultation.

Some of the points raised by the BWEA have been accepted and incorporated into the Scottish Grid Code, including an admission that the fault ride through characteristic has not been correctly interpreted and requires amendment to clarify the requirement to remain connected and transiently stable for a short circuit fault which is cleared within 140ms, and separate it from the voltage withstand requirements which form the second part of the characteristic.

Other points raised, such as the requirement for power park modules to ride through short circuit faults and voltage dips when running at more than 20% of registered capacity rather than 5% of registered capacity, and a request to set the threshold for the provision of frequency response at a level above 30MW have been rejected and will remain in the Code.

A copy of the full letter listing the SGCRP's responses on a clause-by-clause basis is available on request.

2.4 Response to Grid Code Changes to Incorporate New Generation Technologies (Consultation Paper H/04)

David Payne (National Grid Transco) as Grid Code Commercial Analyst has formally replied to the BWEA in response to the points that were raised on this consultation.

Again a number of the points raised by the BWEA have been accepted by NGT including the relaxation of steady state reactive power requirements for all embedded Power Park Modules rather than just those connected at 33kV and below. NGT also acknowledge that the fault ride through characteristic does require further clarification, and will be amending the relevant clause accordingly.

NGT have also rejected the BWEA's suggestion that the requirement for power park modules to ride through short circuit faults and voltage dips should apply when running at more than 20% rather than 5% of registered capacity.

A copy of the full letter listing the NGT's responses on a clause-by-clause basis is available on request.