

GC0063: Power Available Workgroup Conclusions



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Introduction & Timeline

- Concepts of Power Available and High Wind Speed Shutdown presented at July 2012 GCRP. Set-up of workgroup proposed.
- To take account of the work in C/11 – BM Unit data from Intermittent Generation. This proposed a concept of calculating a generator's Maximum Export Limit (MEL) based on predicted/actual wind speed.
- Workgroup reported findings to November 2013 GCRP.
- Workgroup Consultation ran from 20 December 2013 to 27 January 2014.
- Industry Consultation ran from 7 March to 7 April 2014.
- Final report to authority – submission May 2014.

Power Available Concepts

The Workgroup sought to identify:

- The issue of accuracy of Physical Notifications (PNs) defining the predicted output of intermittent generation.
- How provision of a Power Available signal could improve the accuracy of information.
- What the benefits of this would be:
 - To assist market participation of renewable generation
 - To improve system security.

Implementation Options

Option 1 – Standardisation of MEL

Option 2 – Dynamic MEL (Power Available signal is used to calculate MEL)

Option 3 – Power Available Data Feed to National Grid Control Centre

Recommendations

- No consensus from consultations
- Majority view as follows:
 - Take forward option 3, provision of Power Available signal
 - Apply to new intermittent generators from April 2016 onwards
- May facilitate in a future BSC modification – to settle BOAs against Power Available rather than FPNs
- Majority view - Option 3 is a hardware solution and as such can be progressed independently of a BSC mod