

National Grid Company plc

Grid Code Review Panel

6th February 2003

CC6.3.3 Working Group – Progress Report

1. In the last progress report of 21st November 02 to the GCRP, the outcome of the Working Group work was summarised as follows:
 - a. The Working Group agreed to retain the existing CC6.3.3 requirements for frequencies above 49Hz.
 - b. For frequencies below 49Hz, the two key issues were:
 - i) If the existing CC6.3.3 requirement were retained, evidence has emerged of the existence of a probability of CCGT plant (of existing and new technologies) tripping resulting in a risk of demand disconnection and island collapse. This is due to the existing CC6.3.3 requirement being quite onerous.
 - ii) If the existing CC6.3.3 requirement were relaxed, there would be a small increase in the magnitude of customer demand disconnection, and a risk of island collapse in the event of a very severe system islanding condition.
2. The Working Group have not found it possible, so far, to quantify and compare the risks arising from (1bi) and (1bii) because no data is available. However, further consideration is being given to it in order to make a judgement and recommendation on the way forward, and conclude the CC.6.3.3 review.
3. Further consideration has been done, and as a result, the following issues will still need to be discussed by the Working Group:
 - a. Reducing the 49Hz level under 1(a) above to 48.8Hz
 - b. Retaining the existing CC.6.3.3 requirement below 48.8Hz for a specified period of time to remove the initial risk of increasing the amount of low frequency demand disconnection. Thereafter, relaxing the requirement gradually in line with the machine natural characteristics.
4. The time period after which CC.6.3.3 may be relaxed is an important factor from a system restoration perspective, and also would require discussions with other plant manufacturers. This will be undertaken over the next 2 - 3 months.

5. The draft Working Group report to the GCRP has now been updated with comments received from Working Group members. Another final meeting of the Working Group is to be held, and the report to the GCRP will be finalised and made available for the GCRP meeting of 22nd May 03.

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23rd January 2003