

Grid Code Short Circuit Ratio requirement for Synchronous Generators **Update paper**

Background

At the November GCRP National Grid presented an update paper discussing issues associated with the Grid Code Short Circuit Ratio (SCR) requirement for synchronous generating units [1].

This paper highlighted that NGET had contacted a number of manufacturers in an attempt to determine the extent to which the Grid Code requirement for Short Circuit Ratio is likely to be an issue for large generating units (up to 2000MVA). The paper noted that NGET had had little response and requested help from generators in obtaining the information.

Since the last meeting, National Grid has received no additional data or information from manufacturers, either directly or through generators.

Current Position

On the basis that no additional information or evidence has been received to suggest that a short circuit ratio of 0.5 or above cannot be achieved for machines of up to 2000 MVA, National Grid does not believe there is a need to modify the Grid Code requirement.

Recommendations

NGET therefore recommend that the existing Grid Code remains.

The Grid Code Review Panel are invited to consider this recommendation.

References

- [1] Grid Code Short Circuit Ratio Requirement for Synchronous Generators – Update paper Available at:-
http://www.nationalgrid.com/NR/ronlyres/212C2A26-99F5-4326-B157-D23078233AC7/29799/pp08_50_shortcircuitratio_Update_Nov09.pdf