

Grid Code Working Group Gas Insulated Switchgear (GIS)

Terms of Reference

Objectives

A paper was presented to the November GCRP by RWE highlighting a number of issues with GIS. The GCRP recommended establishing a joint working group with the CUSC but under the governance of the Grid Code.

The objective of the group is to discuss the issues and proposals under 'Scope of Work' and agree a way forward regarding possible modifications to the Grid Code and the CUSC. An overview of the formal governance process is detailed in a diagram in annex 1.

Membership

The membership of the working group will be drawn from the GCRP or their nominated representatives, the CUSC or their nominated representatives, the Relevant Transmission Licensees and Ofgem.

Proposed Definition

The abbreviation GIS (Gas Insulated Switchgear) is commonly used to designate gas-insulated, metal-clad electrical switchgear. For the purposes of this working group we shall use the term GIS to refer to all gas-insulated, metal-clad electrical equipment at electricity substations where both the substation busbars and the interfacing switchgear between those busbars and any connecting circuits are of metal-clad, gas-insulated construction.

Scope of Work

The group will consider the following issues, as agreed by the GCRP:

- (a) Identify all current issues with GIS
- (b) Identify all possible options to resolve issues for both generation and DNO connections
- (c) Identify all the consequences of each option Grid Code, CUSC and any other associated documents within the framework
- (d) Identify advantages and disadvantages of each option
- (e) Identify any interactions and issues with AIS and propose solutions to resolve
- (f) Agree a preferred option(s)
- (g) Consider the implications on the Grid Code and CUSC in detail
- (h) Consider implementation issues and propose a solution to resolve any issues

Issues out of scope

The issues surrounding DNO and generator GIS substation is outside the scope of the working group. However, the group will inform the Distribution Code via the GCRP and provide a copy of the final report.

Deliverables

National Grid will produce:

- a GCRP paper recommending a way forward on the above issues, taking into account the group discussions

- a CUSC Panel paper recommending a way forward on the above issues
- draft legal text of any proposed Grid Code changes and CUSC changes as appropriate

Timescales

The working group will aim to complete its work [for the February 2009 GCRP meeting].

Annex 1

