

SQSS Review Panel – Modification Proposal
REVIEW OF ONSHORE ENTRY CRITERIA

Date Raised: 05 October 2010

A Panel Paper by the GB SQSS REVIEW GROUP SECRETARY ON BEHALF
OF THE 3 TRANSMISSION LICENSEES (SHETL, SPT AND NGET).

Summary

This modification seeks to review the onshore generation connection criteria set out in Section 2 of the NETS SQSS together with associated sections such as Definitions, Appendices and Introductory sections.

Users Impacted

Small Generators, Medium Generators, Large Generators, Transmission Owners.

Description & Background

At present, the generation connection criteria for connection to the transmission system does not differentiate, in respect of connection security, between base load power stations and those with intermittent fuel sources or indeed power stations of differing capacities (other than consideration for power stations larger than the infrequent infeed loss risk). It is considered that it is possible to alter the focus of the methodology to revise the level of security provided as the deterministic minimum with the ability for the customer to choose a greater level of connection security.

Proposed Solution

It is proposed to establish various levels of connection security based on the aggregate of generation capacity and an equivalent generation load factor.

Assessment against SQSS Objectives

(i) facilitate the planning, development and maintenance of an efficient, coordinated and economical system of electricity transmission, and the operation of that system in an efficient, economic and coordinated manner;

The proposals should enhance the work already done to ensure generators connecting do so under efficient connection methodologies. The proposals will improve clarity and understanding for users of the Standard and facilitate consistent interpretation and application.

(ii) ensure an appropriate level of security and quality of supply and safe operation of the National Electricity Transmission System;

The proposals will provide guidance on the level of security which is appropriate for each generation connection.

The proposals will support and interact with the existing arrangements for system Reserve.

(iii) facilitate effective competition in the generation and supply of electricity, and (so far as consistent therewith) facilitating such competition in the distribution of electricity; and

clarifying the options for connection, particularly of small to medium volumes of generation will make it easier for such generation to connect

(iv) facilitate electricity Transmission Licensees to comply with their obligations under EU law.]

Impact & Assessment

Impact on the SQSS

Majority of impact will be on NETS SQSS Section 2, Appendix A (Recommended Substation Configuration). Impacts will also be on Section 1 (Introduction) and Section 11 (Definitions).

Impact on the National Electricity Transmission System (NETS)

n/a

Impact on Greenhouse Gas Emissions

n/a

Impact on relevant computer systems

n/a

Impact on core industry documents

It is considered clarification to the CUSC may be required, with possible effects on compensation arrangements and TNUoS charges

Impact on other industry documents

Supporting Documentation

Have you attached any supporting documentation [NO]

If Yes, please provide the title of the attachment:

Recommendation

The SQSS Review Panel is invited to:

Progress this issue to a Workgroup for further analysis and discussion