

Great Britain Security and Quality of Supply Standard Fundamental Review

Transmission Entry and Exit Working Group Terms of Reference

Working Group: 2	Chairperson: Colin Bayfield
Title of Working Group: Transmission Entry and Exit (TEE)	
Background: <p>This Working Group has been formed by the GB SQSS Project Steering Group and forms part of the project for the Fundamental Review of the GB SQSS as detailed in the GBSQSS Fundamental Review Project Definition Document.</p> <p>The draft GB SQSS dated 29 April 2008¹ contains a co-ordinated set of criteria and methodologies that the relevant transmission licensees will be required to use in the planning, operation and maintenance of the GB transmission system (i.e. both the onshore transmission system and the offshore transmission systems).</p> <p>The onshore generation connection criteria set out in Section 2 of the GB SQSS, cover the connections which extend from the generation points of connection and reach into the main interconnected transmission system (MITS). The onshore demand connection criteria set out in Section 3, cover the connections which extend from the lower voltage side of the GSP transformers and again reach into the MITS. The criteria for minimum transmission capacity on the MITS set out in Section 4 extend from the generation points of connection through to the demand points of connection on the high voltage side of the GSP transformers.</p> <p>Accordingly, there is a degree of overlap of criteria and in those parts of the GB transmission system where more than one set of criteria apply, the requirements of all relevant criteria must be met.</p> <p>There is a range of issues relating to onshore transmission entry, onshore transmission exit and the MITS and these are, to a certain extent, interdependent. Separate Working Groups are to address issues relating to the main interconnected transmission system (WG3) and planning and operational contingency criteria (WG4). The focus of this Working Group is on the transmission entry and exit principles. Clearly close liaison with the other Working Groups will be necessary.</p>	
Scope: <p>The TEE Working Group will review the onshore generation connection and the onshore demand connection criteria of the GB SQSS and make change proposals as necessary. All change proposals should be relative to the draft GB SQSS dated 29 April 2008 rather than relative to the existing GB SQSS dated 2004. Offshore generation and demand connection criteria fall within the scope of the Offshore Transmission Systems work area (WG5).</p>	

¹ A PDF copy of the 29 April 2008 draft GB SQSS can be accessed from the Ofgem website at the following link: [draft GB SQSS, dated 29 April 2008](#)

Considerations will include:

- Alignment, where appropriate, of the onshore demand connection criteria with Engineering Recommendation (ER) P2/6;
- The treatment of demand transfer (i.e. the ability to transfer demand from one demand group to another) in assessing grid supply point compliance;
- The treatment of exporting grid supply points;
- Whether a deterministic approach for the establishing investment in local transmission capacity to provide a level of secure generation access is appropriate for all types of generation (e.g. conventional and intermittent);
- Whether revisions are appropriate to the deterministic criteria to take due account of potentially high levels of renewable intermittent generation in the 'background conditions' against which the generation connection criteria are applied;
- Develop appropriate criteria and/or methodologies, taking due account of the findings of the TAR, for local generation connections within a TEC Trading Zone;
- Customer Choice (i.e. the 'Variations to Connection Designs' clauses);
- Regional differences in criteria and methodologies (i.e. between the NGET, SPT and SHETL transmission systems);
- Overlap with the MITS; and
- Criteria for assessing the consequences of any change proposal.

In addition, the Working Group shall take due account of:

- Interactions with the work of other Fundamental Review Working Groups;
- The potential impact of the findings of other relevant reviews (e.g. Transmission Access Review, the 'Review of the 'Design of Generation Connections' (GSR 003) and the 'Review of Infeed loss Limits' (GSR007)); and
- In the context of any change proposals to the GB SQSS arising, compatibility with other industry Codes (e.g. GB Grid Code).

Deliverables:

The Working Group deliverables include:

- Outline Principles Document (15 October 2008)
Written report to the Programme Manager on issues being addressed, new issues arising, approach adopted for addressing issues, progress to date and likely outcome (where reasonably known).
The Programme Manager will then consolidate the individual 'Outline Principles Documents' from each Working Group into a single document and submit for consideration by the Project Steering Group.
- High Level Proposals (December 2008)
Written report to the Programme Manager on progress in the form of high level proposals to address issues.
The Programme Manager will then consolidate 'High Level Proposals' reports from all Working Groups into a single document and submit for consideration by the Project Steering Group (January 2009).

- Draft Change Proposals (May 2009)
Issue detailed proposals and assist the GB SQSS Drafting Working Group, as necessary, in developing draft change proposals to the GB SQSS in the form of additional and/or modified change proposals to the NGET change proposals dated 29 April 2008.
The Programme Manager, with the assistance of the GB SQSS Drafting Working Group, will consolidate the draft change proposals from all Working Groups into a single set of change proposals and submit for consideration by the Project Steering Group.
- Final Change Proposals (August 2009)
Issue final detailed proposals taking account of comments received on draft change proposals.
The Programme Manager, with the assistance of the GB SQSS Drafting Working Group, will prepare the consolidated set of change proposals to the GB SQSS (i.e. in the form of draft amendments to the draft GB SQSS dated 29 April 2008) and submit for consideration by the Project Steering Group.
- Final Change Proposals Consultation (First Consultation), (Sept to Oct 2009)
Assist the Project Steering Group, as required, to conduct a targeted consultation on the consolidated final change proposals with participants of the Industry Peer Review Group.
Following the First Consultation the GB SQSS Drafting Working Group will (with assistance of other Working Groups as necessary) amend the final change proposals to take due account of comments received. The revised final change proposals will be submitted to the Project Steering Group for onward submission to the GB SQSS Review Group for sign-off.
The Project Steering Group (on behalf of the GB SQSS Review Group) will then submit the final Change proposals to Ofgem.

In addition to the above, the Working Group shall:

- Prepare and maintain Working Group Risk and Assumptions Registers in accordance with the requirements set out in the Project Definition Document;
- Prepare and maintain a detailed plan covering the scope and deliverables contained within these Terms of Reference, again in accordance with the requirements set out in the Project Definition Document; and
- Liase with other Working Groups; particularly on areas of interaction; and take due account of other reviews which are currently in progress (e.g. Transmission Access Review).

Programme:

The Working Group detailed program should align with the overall Project Plan.

Members:

Provisional Working Group membership:

- Colin Bayfield SPT Chairperson
- David Carson SPT
- Roger Yuile SHETL
- Neil Carter NGET

Meetings:

The meetings for the Working Group will alternate between Scotland and England and consideration will be given to using technology to minimise travel requirements.

Approved by:

Project Manager: Andrew Hiorns

Working Group Chairman: Colin Bayfield

Date: 14 October 2008