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**Appendix A**

**Working Group Terms of Reference**

**NETS SQSS Review – Transmission Entry  
Terms of Reference**

**Objective** To review and determine the most appropriate and economic treatment of Transmission Entry connection conditions taking due cognisance of individual generator and overall system security.

**Detailed Objectives:**

1. Minimum System Connections for Generation connections - develop the appropriate level of connection security for the full range of generation developments and technologies. The methodology will be supported by Cost Benefit Analysis, which will also inform and determine aspects and variables of the methodology such as group generation capacity bands and generation intermittency. The cost benefit analysis will also inform and clarify the appropriate security which takes account of the components in the generator circuit.
2. System Resilience for generation at single circuit risk – in the event of significant penetration of non-firm generation connections for renewable generation, the potential exists for the aggregate generation capacity at risk to exceed the Normal Infeed Loss Risk or the Infrequent Infeed Loss Risk. The issue will be considered and inform the Minimum System Connection methodology parameters.
3. Impact on Commercial Codes – engagement with the SO Commercial Charging Group will be required to consider the commercial impact of the proposals and any consequential change proposals and implementation timescales.
4. Standard Connection Schemes – in order to establish transparency and consistency for compliant system connections, it is proposed to develop indicative connection configurations which will be provided as an appendix to the main document.

**Constitution** The team comprises membership from National Grid, Scottish Power Transmission, Scottish Hydro Electric Transmission, Ofgem, and Industry representatives. The team will be chaired by Dave Carson (SPT).

**Reporting** The team reports to the NETS SQSS Review Group under SQSS Governance. It is intended to report by the end of 2011.

**Scope** The working group scope is anticipated to be:

- The onshore SQSS Chapter 2 with any impact on Chapter 1, Appendix A and Definitions all considered within scope.
- Remaining onshore Chapters (3 to 6) and offshore Chapters (7 to 10) are considered out of scope.
- Cost benefit assessment to consider overall industry costs irrespective of cost apportionment or funding mechanisms

**Meetings** The team will meet approximately bi-monthly.

**Methods** The team will be required to adopt a cost-benefit framework to support a number of its recommendations. The cost-benefit tools may be developed in-house by National Grid, or by SEDG.