

**National Electricity Transmission System Security and Quality of Supply Standards  
Review of Chapter 7 Double Busbar Requirements Workgroup  
TERMS OF REFERENCE**

**Governance**

1. The Review of Chapter 7 Double Busbar Requirements Workgroup was established by the National Electricity Transmission System Security and Quality of Supply Standards (NETS SQSS) Review Panel at the June 2014 NETS SQSS Review Panel meeting.
2. The Workgroup shall formally report to the NETS SQSS Review Panel.

**Membership**

3. The Workgroup shall comprise a suitable and appropriate cross-section of experience and expertise from across the industry, which shall include:

<b>Name</b>	<b>Role</b>	<b>Representing</b>
John West	Chair	-
Nick Martin	Technical Secretary	-
Biljana Stojkovska	National Grid Representative	National Grid
Gareth Parker	Industry Representative	DONG Energy
Mike Lee	Industry Representative	Transmission Investment LLP
Thomas McCormack	Industry Representative	SHE Transmission
Michael Gordon	Industry Representative	RWE
Haroon Muhammad	Industry Representative	Balfour Beatty
Razvan Pabat-Stroe	Industry Representative	SP Energy Networks
Ana Rodriguez	Industry Representative	Scottish Power Renewables

**Meeting Administration**

4. The frequency of Workgroup meetings shall be defined as necessary by the Workgroup chair to meet the scope and objectives of the work being undertaken at that time.
5. National Grid shall provide technical secretary resource to the Workgroup and handle administrative arrangements such as venue, agenda and minutes.
6. The Workgroup will have a dedicated section on the National Grid website to enable information such as minutes, papers and presentations to be available to a wider audience.

## Scope

7. The Workgroup shall consider and report on the following:
  - Whether current interpretation of the NETS SQSS mandates the use of a double busbar (or equivalent) arrangement for the first onshore substation for offshore transmission system connections.
  - If so, whether this requirement is the most economic and efficient solution for all offshore wind-farm connections.
  - If not, and subject to further Workgroup assessment, this deterministic requirement be removed from the NETS SQSS if no net benefit can be demonstrated for this configuration of switchgear when considering the specific characteristics of offshore generation connections.
  
8. The scope of the Workgroup shall not include:
  - Anything beyond the scope outlined above.

## Deliverables

9. The Workgroup shall provide updates and a Workgroup Report to the NETS SQSS Review Panel which will:
  - Detail the findings of the Workgroup;
  - Draft, prioritise and recommend changes to the NETS SQSS and any associated documents in order to implement the findings of the Workgroup; and
  - Highlight any consequential changes which are or may be required.

## Timescales

10. It is anticipated that this Workgroup shall provide an update to each NETS SQSS Review Panel meeting and present a Workgroup Report to the August 2014 NETS SQSS Review Panel meeting.
  
11. If for any reason the Workgroup is in existence for more than one year, there is a responsibility for the Workgroup to produce a yearly update report, including but not limited to; current progress, reasons for any delays, next steps and likely conclusion dates.