

### Issues within the SQSS Fundamental Review

This is one listing of issues, which could be investigated within the SQSS Fundamental Review.

**Table: Fundamental SQSS Review issues**

<b>Issue</b>	<b>Current Status</b>	<b>Proposal to progress</b>
<i>Transmission Entry</i>		
11. Level of secure gen access appropriate to different types of gen	WG2 proposals on principles. Work on detail needed. Principles largely accepted by industry.	Establish working group. Scope should cover items 11 to 16 except 12 (arrangements still unclear). Need to involve Generator reps. WG2 proposals provide good basis so should be able to progress in 12 months.
12. Impact of TEC Trading zones	No progress	Await progress on CAP161–163, before initiating any review.
13. Review of Customer Choice	Partly covered by WG2 proposals	
14. Review of recommended substation configuration and switching arrangements	A small part is covered within WG2 thinking.	
15. Review use of the term 'Registered Capacity'	Already an issue within WG2 thinking	
16. Consideration of the boundary between 'SP-1' and 'SP-2' groups (para 2.8)	No progress	
<i>Transmission Exit</i>		
21. Alignment of SQSS (currently P2/5 –based) with P2/6	Some alignment proposed in GSR008 but this item also covers items 22-25 and significantly more work is needed. Request to ENA for help has been made.	Await outcome of ENA discussions. Likely to require working group in Spring next year.
22. Treatment of	As 21	

<b>Issue</b>	<b>Current Status</b>	<b>Proposal to progress</b>
Demand Transfers		
23. Capacity contribution to demand security from embedded generation	As 21	
24. Treatment of Exporting GSPs	As 21	
25. Treatment of embedded generation wrt transmission capacity, voltage and fault levels	As 21	
26. Impact of active Distribut.n systems	Future issue	
27. Energy Storage systems	Future issue	
<i>Main Interconnected Transmission System ('MITS')</i>		
31. Criteria and methodologies, whereby market access signals are converted into tx reqts	No progress	In the main, await progress on CAP161–163. In part, as 32.
32. Use of cost-benefit analysis; including sharing and overrun	Partly considered by GSR009; but further consideration needed on extent to which CBA can be used	Will need joint work with Commercial to secure better data. Previous initiatives have been unsuccessful. Keep for future work.
33. Regional Differences in criteria.	Largely considered in GSR008 but some outstanding issues	Working group not needed for small number of issues. Can be progressed as resources allow.
34. Degree of security of exports across Interconnectors.	No progress.	Increasingly important. Some interaction with GSR009 proposals. Establish separate working group. Invite industry representatives but can do in TOs.
35. Contribution of different generation	Proposals made in GSR009	Await outcome of recommendations

<b>Issue</b>	<b>Current Status</b>	<b>Proposal to progress</b>
technologies		
36. Appropriate methodology for setting year-round background conditions	Definition of peak conditions partly covered by GSR009	Not immediate priority.
37. Treatment of large demand zones with little or no generation	No progress	Issue in its own right will require separate group. Not immediate priority.
38. The integration of offshore transmission systems	WG5 has made very limited progress.	High importance. Separate group needed with industry and OFTO involvement.
39. Clarity with regard to relaxation of operational criteria in fair weather	No progress	Will need separate group. Consider as future work
40. Methods for assessing options...	No progress	??
41. Implications of TAR options for long-term and short-term access	No progress	As 31.
42. Treatment of potentially non-compliant areas, during short-term rights	Licence drafting of Connect&Manage is in force	Relevant now. Should be resolvable in reasonably short timescales. Processes for implementing the Connect and Manage regime are underway.
43. Criteria to assess any changes	No progress	??
<i>Planning and Operational Contingency Criteria ('POCC')</i>		
51. N-1 / N-D from an Operational perspective	No progress	Future work
52. N-1 / N-2 / N-3 from a Planning perspective	No progress	Future work
53. Use of Intertrips in Planning timescales	GSR008 conclusion that current usage is appropriate	Research has been started at Imperial College. Maintain involvement in this work.
54. Treatment of switch	GSR008 recommends further	Medium term – will require WG

<b>Issue</b>	<b>Current Status</b>	<b>Proposal to progress</b>
faults, under intact and outage conditions	work	
55. Use of dynamic ratings	GSR008 proposed words to emphasise that they can be used.	Work is ongoing on use of dynamic ratings; but nothing further needed in SQSS
56. Impact of HVDC circuits	Emerging issue	Consider new working group
57. Voltage limits (various)	Extensively considered in GSR008. Some issues still outstanding	Working group not needed for small number of issues. Can be progressed as resources allow.
58. Stability assessment criteria (various)	Limited GSR008 consideration. Further work needed.	Working group not needed for small number of issues. Can be progressed as resources allow.

### **Summary of proposed way forward**

In short term establish:

- Transmission Entry working group
- Interconnectors group, covering integration with ENTSOe
- Offshore transmission and Integrated HVDC group

and

- Progress a short review of SQSS Governance
- Keep up to date and input to ENA discussions on SQSS and P2/6

In medium term, we may get as far as:

- Continue with deep 'Fundamental' issues;
- Treatment of demand zones with little gen working group;
- Interactions with Commercial –ie CUSC– how to get better data, and any short-term Access products.