

Network Innovation Competition Full Submission

Supplementary Answer Form

Tick if this answer is Confidential: ☐

Tick if this answer has been provided verbally: ☐

Project code:	SPT EN 01	Question Number	9
Question date	20-08-2013	Answer date	22-08-2013
Submission section question relates to	Technical Description of project		
Topic	Section 2.5		
Question	Please explain whether any power system simulations have been carried out to demonstrate the potential forms of SSO arising from interactions between the control system and HVDC systems or wind farm controllers, and if so, describe the findings of this work.		
Notes on question			
Answer	<p>Simulations studies were undertaken as part of Western HVDC project by the supplier using data provided by the TO and generators.</p> <p>The Series Compensation project required SSO screening studies carried out by a specialist consultant to inform the specification for the Series Capacitor Invitation to Tender.</p> <p>The main finding confirmed that SSO is a valid risk under certain network operational backgrounds and suitable mitigation initiatives had to be reflected in the Series Capacitor specification.</p>		
Attachments			
Verbal Clarifications (Consultants)			