

# *Network Innovation Competition Full Submission*

## *Supplementary Answer Form*

Tick if this answer is Confidential: ☐

Tick if this answer has been provided verbally: ☐

Project code:	NGETEN01	Question Number	18
Question date	22/08/13	Answer date	27/08/13
Submission section question relates to	MSB - Full Submission Cost spreadsheet		
Topic	Net Benefits		
Question	If the project is successful what is the size of the total fleet of MSBs that will be procured?		
Notes on question			
Answer	<p>The fleet size as discussed in the response to Q17, will be very much determined by business requirements, funding mechanism as well as technology maturity. At this time the view is that it will be composed of sufficient units to manage a wider range of application scenarios. In addition, the following are also determining factors for the fleet size:</p> <ul style="list-style-type: none"> <li>• The transformer ratio. National Grid has a number of transformer ratios. The key ones are 400/132kV, 400/275kV, 275/132kV.</li> <li>• The MSB is essentially made up of three elements HV switchgear, LV switchgear and the transformer. These could be used separately if required.</li> </ul> <p>The fleet size for the purpose of the initial CBA is estimated to be 5 units, comprising 2x 400/132kV MSBs, 1x 400/275kV MSB and 2x275/132kV MSB.</p>		
Attachments			
Verbal Clarifications (Consultants )			

