

Question No.	Proforma section	Criteria	Topic	Question	Date question asked	Date response required	Date received	Follow up to Question #	Confidential (y/n)
	Section 4, Page 19, Appendix B		Benefits of FITNESS	All benefits accrued from new digital substations built are ascribed as a benefit of FITNESS. The full benefit of such a transition will not be caused in its entirety by a single test substation. Has any analysis been performed comparing the benefits and uptake numbers to the expected progression to digital substations without FITNESS? Please provide supporting data.	20 August 2015	25 August 2015	25 August 2015		
	Appendix A, Page 57		Constraint payments	Please provide a more precise qualification for the increase in constraint payment assumptions provided than the Electricity Ten Year Statement. What assessment has been performed for constraint payment benefits in a case where: a) Constraint payment regulation is changed to reduce payments, and place constraint risk on the generator and not the operator? Has this risk been factored into costs? b) Has any assessment been performed on expected constraint payments with less severe wind growth, due to decreased wind subsidies, and government regulatory changes?	20 August 2015	25 August 2015	25 August 2015		
	Section 3, Page 13		Future energy scenarios.	Future Energy Scenarios Factors are incorrectly ascribed to the Electricity 10 year statement cases. Slow Progression and Low Carbon Life are reversed. Low Carbon Life includes high growth in the economy and energy consumption, leading to an increase in substation new build and replacement, as the building of substations is driven more by energy demand rather than green energy aspirations, which is the difference between GG and LCL. Slow progression has low GDP growth and low demand growth. In terms of electricity network investment (translating to increased numbers of new build substations) this will lead to a reduction in substation new build and replacement. Please provide cost-benefit analysis with revised uptake factors, based on a projection of substation replacement and new build would have with Going Green and Low Carbon Life with similar substation investment, but differing uptake factors.	20 August 2015	27 August 2015	25 August 2015		
	Section 6, Page 38		Technology Readiness Level	Please provide a version of Table 7 with international TRL information, not just the state of the technology as demonstrated on the GB Power System.	20 August 2015	25 August 2015	25 August 2015		
	Section 2.1 Page 5		Parallel Live Trials	Which existing substation will be used to provide the facility? Will any funding go into the maintenance of this existing substation?	20 August 2015	25 August 2015	25 August 2015		
6		(d)	Innovation	Where else in GB is IEC-61850 used? How does that fall short of what this project could deliver?	08 September 2015	11 September 2015	11 September 2015		
7		(b)	Costs	Please provide a detailed breakdown of the project budget against tasks, with timings.	08 September 2015	11 September 2015	11 September 2015		
8		(e)	Partners	Please specify the role of each of the partners	08 September 2015	11 September 2015	11 September 2015		
9		(e)	Partners	Two manufacturers are to be involved in this project. What impact will this have on the market for this activity after project completion?	08 September 2015	11 September 2015	11 September 2015		
10		(a)	Benefits	Please provide clarity how certain you are about the project benefits. Confidence intervals around the figures may help.	08 September 2015	11 September 2015	11 September 2015		
11	Submission Spreadsheet	(b)	Resource allocation	Please explain why the project manager and technical resource have been allocated the same time as each other for most technical tasks? It is expected that the PM would require fewer man-days than the technical resource.	08 September 2015	11 September 2015	11 September 2015		
12	General		Method	Is it intended that the proposed solution will be applied to any substation replacements/refurbishments/new builds or will there be a criteria for selecting the "best practise candidates"?	22 September 2015	24 September 2015	24 September 2015		
13	General		Business case	Isn't some of what is being proposed already current practice for new substations? E.g. replacing analogue with digital, using fibre for comms	22 September 2015	24 September 2015	24 September 2015		