

# *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	23
Question date	03/09/2013	Answer date	05/09/2013
Submission section question relates to	Section 4		
Topic	Evaluation criteria e)		
Question	Please explain how the level of in-kind contribution from the project partners was decided, and whether any additional in-kind contributions are envisaged from any of the contractors involved in the project.		
Notes on question			
Answer	<p>This project has no additional need for any external funding apart from NIC. The in-kind support from the project partners is described in the following paragraphs. Since such work will be both carried out and paid for entirely by the partner concerned, and is not associated with any specific work package or task, it was not included in the FSP spreadsheet.</p> <p><b>Interim Procurement Support from NGET and SHE-T: £62k each</b></p> <p>A project team has to be properly identified and put in place to ensure a successful delivery. The project is designed to start public tendering upon receiving the formal approval. In that case, an interim team has been established to safeguard the procedure. It has been expected that the tendering period will be between 3-4 months.</p> <p>The in-kind support from NGET and SHE Transmission (each at £62k) is to cover their internal costs for this interim period. NGET and SHE Transmission will support SPT (as the funding licensee) to confirm procurement strategy, specifications draft and returned documents evaluation. This will include the cost of 0.75 full time equivalent (FTE) lawyer, 1FTE procurement officer and 1FTE lead engineer for the interim period (upon the Ofgem approval in Nov 2013 to April 2014).</p> <p>It is important to have this in-kind support from NGET and SHE Transmission during the interim period, as it reflects <u>a co-ordinated approach from the beginning of the project</u>. This in-kind support also makes</p>		

sure that technical specifications and tendering evaluations can be accepted by all the partners. The level of commitment associated with this contribution is highlighted by the letters of support provided by NGET and SHE Transmission in Appendix A9.

### **Support from the University of Manchester (UoM)**

The in-kind support from the University of Manchester includes dedicated resource working on the test-equipment post the funding period and hosting of the Time Digital Simulator (RTDS)equipment for the remaining RIIO-T1 period (2017-2021).

These facilities will be available during the funding period (2014-2017), but also in future, when the facilities will be provided to the UK TOs.

The existing laboratory facilities available at UoM will be significantly modernized through the installation of brand new hardware in the loop RTDS testing facilities. Manchester is happy to install and commission these facilities using the available technical support (technicians working in the National Grid Power Systems Research Centre at Manchester). Furthermore, UoM will provide the professional maintenance of these facilities, as well as the appropriate laboratory space and prerequisites for an optimal operation of the new RTDS facilities (e.g. air-condition facilities).

Such an in-kind support will not only optimise the existing resources at the University of Manchester, and further provide value for money for VISOR project (in areas such as testing equipment purchasing and knowledge dissemination) , but will also facilitate research in closed loop control and open new opportunities in related areas, such as wide area system monitoring, protection and control.

--- a description of the R&D projects and publication carried out by the University of Manchester on topics relating to VISOR have been attached.

### **Potential WAMS Supplier Contribution of Software Development**

As highlighted at the start of Section 5 of the FSP pro-forma, suppliers will have the opportunity to retain the IPR in return for research and development funded by the supplier, while IPR generated by the project will be made available generally. Commercial suppliers therefore have an incentive to fund the research and development of underlying functionality in order to retain ownership of the IPR. For example, the development of a new software application or extension of an existing one may be funded by the supplier, in order to retain the resulting IPR, while the work to apply the application specifically on the GB system would be funded by the project.

The development costs and the contributions by a supplier will depend on the maturity of the products available from the chosen supplier, the supplier's attitude to ownership of IPR.

It is understood that such an arrangement (i.e. retaining IPR in return for supplier funded R&D) will fall under the category of "Foreground IPR within Commercial Products" as described in 9.14 of the Electricity NIC Governance Document. With this in mind, such software will be made available by the supplier for purchase by other Network Licensees on fair and reasonable terms. This compliance with the

	default IPR principles will be reflected in the public tendering.
Attachments	
Verbal Clarifications (Consultants )	