

LCN Fund Full Submission

Supplementary Answer Form

Tick if this answer is Confidential: ☐

Tick if this answer has been provided verbally: ☒

Project code:	NGT203	Question Number	24
Question date	03 October 2013	Answer date	11 October 2013
Submission section question relates to	Expert Panel Bilateral		
Topic	Diagnostic Tool		
Question	How will you build sufficient confidence in the model to ensure that it is (a) adopted and maintained by other DNOs and (b) integrated with other accepted planning tools?		
Notes on question			
Answer	<p>a) In order to generate buy-in from other DNOs we will engage early in the process to define its technical capabilities and its data input requirements. In particular, to build confidence and buy-in from DNOs we will:</p> <ul style="list-style-type: none"> • be very open about how the tool works and the assumptions and relationships it uses; and • distribute the tool and let DNOs use it and test it against their own DSR projects and with their own load-flow software. <p>Engagement with DNOs will be carried out at each stage of the tool's development and testing.</p> <p>We will build confidence in the tool using the ACE DSR trial results to validate the tool by comparing predicted performance with the actual trial results for non-tariff based DSR. We will also validate the tool using the results from the CLNR tariff based trials.</p> <p>b) We will ensure that the DSR diagnostics / forecasting tool can be integrated with other accepted planning tools. The tool will be written in such a way that any DNO will be able to use their preferred load flow tool and their own network models in conjunction with it. We will undertake a review of planning tools currently used by DNOs at the start of the project and take integration requirements into account in the design of the tool. A key aspect of this will be to make sure that the tool can easily accept data exported from the current planning tools and can export data and results in a variety of formats.</p>		

Attachments	Presentation provided to the Expert Panel on 25 September 2013
Verbal Clarifications (Consultants)	

Q7: DSR Diagnostics Tool - integration into business as usual

How will you build sufficient confidence in the model to ensure it is:

- a) Adopted and maintained by other DNOs; and**
- b) Integrated with other accepted planning tools?**

- We want buy-in from other DNOs and will engage them in defining its technical capabilities and its data input requirements
- For the ACE DSR trial results, there will be an opportunity to validate the tool through comparing predicted performance with actuals - this could also be achieved with the CLNR tariff based trials
- To build confidence and buy-in from DNOs we aim to:
 - To be very open about how the tool works and the assumptions and relationships it uses
 - Distribute the tool and let DNOs use it and test it against their own DSR projects and with their own load-flow software
- The tool may not be a highly accurate predictor of a particular DS response. It will be a design support tool which gives network planners guidance regarding the most fruitful places and methods to realise DSR on their networks
- The tool will be written in such a way that any DNO can use their preferred load flow tool and their own network models in conjunction with the DSR tool
- A review of planning tools currently used by DNOs will be carried out at the start of the project and issues of integration taken into account such that ease of integration is ensured
- A key aspect of this will be to make sure that the tool can accept data exported from the current planning tools easily and can export data and results in a variety of formats

