

Electricity Network Innovation Competition Full Submission
Supplementary Answer Form

Project: REVISE

Tick if this answer has been provided verbally: ☐

Project code	WPD/EN/NIC/05	Question Number	21
Question date	23 August 2018	Answer date	28 August 2018
Submission section question relates to	Section L.3 Dynamic Protection System		
Topic	d) Is innovative		
Question	For the DPS, in what way will the communications be "optimised"?		
Notes on question	None		
Answer	<p>The development of the DPS Method will include determining the optimal communication channel(s) required to ensure accurate and reliable operation. The assessment of communication requirements will build upon the work we carried out during our NIA project "Nexus". This work included the development of "Smart Grid Communications Templates" which will, amongst other inputs, support our decisions to determine the most suitable solution. The chosen solution will be selected following an assessment of the various factors including the sensitivity, volume and accuracy of data that needs to be transmitted.</p> <p>As described in Section L.3.3 we will aim to avoid the installation of matched systems (such as fibre or microwave) due to the expensive nature of these. Instead, we aim to manage as much data as possible locally and use the selected communication "Solution" to send only the data that is fundamental to the operation of the DPS. Where possible we will also aim use or modify existing communications to provide a more cost effective solution.</p>		
Attachments	None		