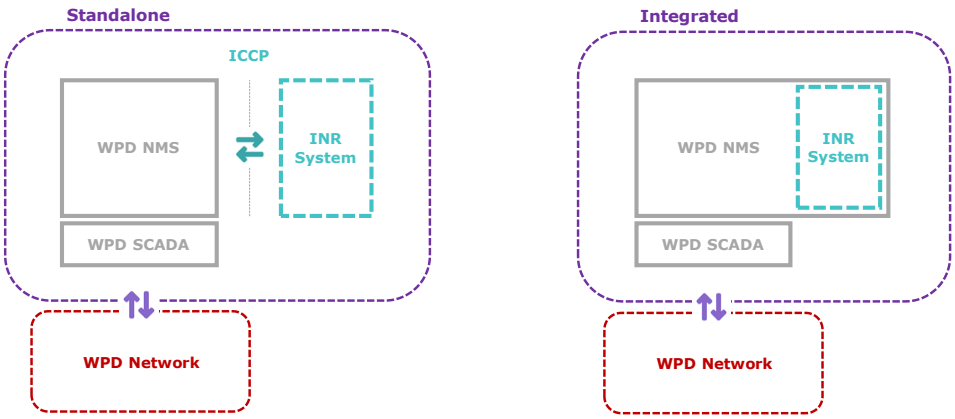
Electricity Network Innovation Competition Full Submission

Supplementary Answer Form

Project: REVISE

Tick if this answer has been provided verbally: ☐

Project code	WPD/EN/NIC/05	Question Number	25
Question date	23 August 2018	Answer date	28 August 2018
Submission section question relates to	Section L.4 Intelligent Network Reconfiguration		
Topic	d) Is innovative		
Question	It appears that the INR will be standalone system. Why could this functionality not be implemented on the DNO's existing NMS? This would reduce the cost associated with the additional system and its interface with the DNO system, something the NMS already provides.		
Notes on question	None		
Answer	As discussed in the response to Question 22, the INR system could be provided as a "standalone" system (using a proven communications protocol such as ICCP) or embedded directly within the NMS as shown in Figure 1. Our experience (and the experience of several other DNOs) has shown that a standalone system has often provided the optimal solution from both a technical and financial perspective.  *Figure 1: INR integration options* We will undertake a competitive tender process for the procurement of the		

	INR system after we have specified the requirements. This will determine the most cost effective solution that can meet the technical criteria required for INR. A solution that can be integrated within an existing NMS may not be able to meet this criteria, as typically the embedded add-in or tool cannot be modified or tailored to meet the needs of the project. In addition, the development of a standalone system can often be beneficial for a number of reasons including: i. **Integration** – not all DNOs use the same NMS, therefore a standalone system can be designed so that it is able to be integrated across a wide variety of different NMS platforms; ii. **Vendors** – a standalone solution can be provided by multiple vendors therefore promoting competition and reducing procurement costs. An embedded solution is normally provided by the incumbent NMS provider; and iii. **Testing** – providing a standalone solution creates segregation which allows for offline testing and development of the system without affecting the performance of the existing NMS.
Attachments	None