Electricity Network Innovation Competition Full Submission

Supplementary Answer Form

Project: Black Start from Distributed Energy Resources

Tick if this answer has been provided verbally: ☐

Project code	ESOEN01	Question Number	66
Question date	27 Sep 2018	Answer date	02 Oct 2018
Submission section question relates to			
Topic	(g) Robust methodology and ready to implement		
Question	Please provide a detailed description of what is within scope of the process development work you will undertake as part of the project. Will you for example include power flow analysis?		
Notes on question			
Answer	We will design, test and document processes to enable Power Islands to be created, controlled and coordinated as part of a Black Start using DER. This will include all elements of how DER are instructed, despatched and controlled. The final, agreed processes (and associated guidelines and recommendations) will be included in relevant plans put in place by the ESO, DNOs and DERs that establish contracts for Black Start services in future. Power flow studies will be performed as part of the Technical Workstream to assess restoration options and risks in the case studies; learning outcomes from this will also inform organisational processes and vice versa. We will also consider the requirement for power flow analysis to be carried out during the establishment and growth of a Power Island, e.g. to inform control room decisions, and therefore determine what real-time analysis should form a part of the recommended restoration processes.		
Attachments			