

LCN Fund Full Submission

Supplementary Answer Form

Tick if this answer is Confidential: ☐

Tick if this answer has been provided verbally: ☐

Project code:	UKPN2002	Question Number	4
Question date	1 September 2011	Answer date	6 September 2011
Submission section question relates to	Section 2 – Project Description		
Topic	Smart Devices		
Question	How do your proposals for applying dynamic line ratings extend knowledge beyond that already acquired from previous trials at EHV or currently being gained through other development projects?		
Notes on question			
Answer	<p>Previous trials and other development projects have been primarily concerned with the provision of the dynamic line rating (DLR) devices themselves. The FPP project will extend the knowledge of how DLR devices can be integrated in a standardised, repeatable and scalable manner using open standards protocols and IP-based communications.</p> <p>The FPP project will also go a step further by integrating and exploring the interoperability of these devices with smart applications (Appendix 1 – Use Case 4) and other smart devices in order to manage network constraints.</p> <p>In the UK, DLR devices have not yet been implemented within a closed-loop real-time control system concerned with automatically controlling renewable generator power output in order to meet the dynamic ratings of the distribution network assets. This will be trialled within the FPP project.</p>		

Attachments	
Verbal Clarifications (Consultants)	