LCNF Full Submission

Supplementary Answer Form

DNO Name:	Central Networks	Question Number:	CN009
Question Date:	16/09/10	Answer Date:	20/09/10
Question Topic:			

Original Question No:		Original Answer Date:	
Original Question:			
Original Answer:			
Question:	The proposal mentions using a "Low Carbon Intelligent Network Architecture" Could you provide details of the specific characteristics of this architecture and its suitability for GB-wide use? Please confirm that the deployment of this solution will not be in anyway restricted by proprietary IP.		

Answer:	The Low Carbon Intelligent Network Architecture (LCINA) is covered in detail in appendix 7.2. Accenture's experience of the IT deployment for SmartGridCity in Boulder Colorado suggests an architecture that integrates a variety of applications, handles and allocates large data volumes, performs complex event processing and structures and stores data is essential. LCINA is the glue that binds together all the aspects of smart grid in a robust, secure and flexible way. We believe that these needs will exist in the UK making LCINA highly relevant in the UK context. The high level design architecture will be made available to all UK DNOs on a free licence basis. IT learning in relation to the Low Carbon Intelligent Network Architecture in the form of lessons learnt, design principles and delivery approaches will be disseminated freely. We believe that the high level architecture and dissemination outputs will support UK DNOs in designing their preferred IT solution. They will then need to select vendors to provide the integration middleware, applications etc. and perform system integration activities.

Attachments:	