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| Network Innovation Competition 2020 Supplementary Answer form | | |

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| Project Name | QUEST | | |
| Question number | #20 | Pro forma section | Section 2 |
| Question date | 25/08/20 | Answer date | 27/08/20 |
| Question summary | The scheme seems to focus on demand driven voltage issues on the network. While it may not yet be an issue on the ENWL network, other networks in GB face considerable overvoltage issues. For the benefit to be replicated the scheme will therefore have to be able to accommodate both types of network and be able to swap between modes (import/export) as the networks go through these swings on a daily /seasonal basis. Is it the intention to develop a control hierarchy that will also cope of the overvoltage conditions typical with net export conditions in networks. | | |

## Answer (please retain document formatting and do not exceed 2 pages unless otherwise agreed with Ofgem)

At its core, QUEST is a voltage constraint management tool that uses distributed network voltage controllers to increase or decrease the voltages in the network. On this basis, QUEST can be used to solve a range of voltage-related network constraints.

Our business case has been constructed around using QUEST to deliver voltage optimisation specifically.

However, the suitability of QUEST to address overvoltage constraints will feature as a part of the project; albeit, owing to the absence of any specific occurrences of overvoltages on our network, we will likely use our modelling work to capture the appropriate learning.

Furthermore, the QUEST Industry Steering Group, which comprises representatives from all UK DNOs and the ESO, will be actively involved in shaping the project’s use cases including, if appropriate, overvoltages.