*Innovation Competitions - Full Submission*

*Supplementary Answer Form*

Tick if this answer has been provided verbally:

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| Project code | ENWT206 | Question Number | Q20 |
| Question date | 31 July 2014 | Answer date | 4 August 2014 |
| Submission section question relates to | Appendix G | | |
| Topic | Is-limiter safety case | | |
| Question | How far does the ABS report go in providing evidence to support the use of Is-limiters in the UK? Have the safety case claims, arguments or evidence been reviewed or accepted by the regulator? | | |
| Notes on question |  | | |
| Answer | The Safety Case (attached) provides significant analysis and evidence to support the use of Is-limiters in a UK distribution network. We have discussed the FLARE project with the regional representative of the Health and Safety Executive (HSE) and in particular the deployment of an Is-limiter at two primary substations on our network under this innovation project. We detailed the FLARE Trial with the Principal Inspector and gave assurances that no equipment will be operated beyond its rating during the Trials. FLARE provides a safe test environment for the equipment Trials whilst allowing us to gather the information necessary to validate or equally refute the final Safety Case. The HSE Inspector was supportive of the FLARE project.  In order to fully validate the operational performance of the Is-limiters in the role described and to produce a full safety risk assessment we will need to complete the work packages detailed in our Full Submission. Until the FLARE project undertakes this work, it is not possible for the regulator to finally accept or reject the proposal.  A key output of the FLARE project (SDRC 9.3.8) is to validate the Safety Case and provide supportive evidence to permit their operation in a UK network. We intend to use Is-limiters for the specific purpose of managing through fault current; Is-limiters have not been used before in this mode and does not give rise to the issues associated with overstressing circuit breakers (please see our reply to question 21). | | |
| Attachments |  | | |