

Date of Submission

May 2021

Network Innovation Allowance Progress Report

Notes on Completion: Please refer to the appropriate NIA Governance Document to assist in the completion of this form.

Network Licensees must publish the required Project Progress information on the Smarter Networks Portal by 31st July 2014 and each year thereafter. The Network Licensee(s) must publish Project Progress information for each NIA Project that has developed new learning in the preceding relevant year.

Project Progress

Project Title

Technical Interfaces to Scale as a DSO

Project Reference

NIA_SSEN_0040

Funding Licensee(s)

Scottish and Southern Electricity Networks

Project Start Date

September 2019

Project Duration

2 years and 0 months

Nominated Project Contact(s)

SSEN NIA Programme Delivery Manager – Colin Mathieson

Scope

The project is reviewing international interfaces however the output is focused on solutions which are applicable to the GB. To inform this work, all investigated interfaces must be broad enough to cover a representative spread of currently deployed solutions as well as trialled future options. A subset of these interfaces and a number of their combinations, are then trialled to create a detailed specification that covers the hardware, software, communication and cyber security requirements of such an interface.

Objectives(s)

This project will deliver:

1. A review of interfaces and end-point devices from international trials and deployments
2. A review of cyber security risks and impacts
3. A functional specification document in phase 1 to inform trial in phase 2
4. A trial at the PNDC to garner practical experience with the most promising interfaces
5. A detailed specification document for DSO interfaces built up from all the learning trials

Success Criteria

A thorough investigation of interfaces that have been trialled and deployed to understand their applicability to networks in the GB, in order to produce a shortlist of interfaces to trial.
Understand the cyber security implications of these interfaces
A practical trial of the selected interfaces to understand the detailed implications of using them
Creation of a specification for DSO interfaces for use in future use in BAU scenarios

Performance Compared to the Original Project Aims, Objectives and Success Criteria

This project is presently in the early stages with no noteworthy material to present.

Required Modifications to the Planned Approach During the Course of the Project

N/A

Lessons Learnt for Future Projects

This project is presently in the early stages with no noteworthy learning to present.

The Outcomes of the Project

This project is presently in the early stages.

Data Access

See Network Innovation Competition (NIC) and Network Innovation Allowance (NIA) Data Sharing Procedure at <https://www.ssen.co.uk/InnovationLibrary/Distribution/>

Foreground IPR

N/A