



Project Accomplishment Summary

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Sandia National Laboratories

Operated for the U.S. Department of Energy by
Sandia Corporation
Albuquerque, New Mexico

PROJECT ACCOMPLISHMENTS SUMMARY
Cooperative Research and Development Agreement (#SC15/01831.00)
between Sandia National Laboratories and SunSpec Alliance

Note: This Project Accomplishments Summary will serve to meet the requirements for a final abstract and final report as specified in Article X of the CRADA.

Title: Creation of System Validation Platform

Final Abstract:

Work was not completed under this CRADA. The work was continued in a new Project Task Statement (PTS) under a new Umbrella CRADA.

Background:

Sandia National Laboratories (SNL) has over 20 years of experience testing PV inverters and has also recently created a test protocol for the IEC 61850-90-7 advanced Distributed Energy Resource (DER) functions, commonly referred to as the Sandia Test Protocols. SunSpec Alliance (SunSpec) was to provide the framework for executing the advanced interoperability tests outlined in the Sandia Test Protocols. SNL and SunSpec were to jointly develop User Scripts that could be executed by the SunSpec System Validation Platform.

Description:

SNL and SunSpec were to create a System Validation Platform to verify the functionality of DERs with advanced grid functionality and utility communication capabilities. The Validation Platform software was to ensure DERs are compatible with new grid interconnection requirements for these advanced functions by communicating to equipment under test, data acquisition software, and test equipment.

Benefits to the Department of Energy:

N/A

Economic Impact:

N/A

Project Status:

This project was not completed.

ADDITIONAL INFORMATION

Laboratory/Department of Energy Facility Point of Contact for Information on Project

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Company Size and Points of Contact

SunSpec Alliance

CRADA Intellectual Property

N/A

Technology Commercialization

N/A

Project Examples

N/A