



PREVENTING DER CHAOS

# Assistance for Utilities

QualityLogic is the industry leader in smart energy standards development and interoperability testing solutions, offering unparalleled communications, software and domain expertise. We support Utilities with our deep expertise to assist you in defining, procuring, developing, certifying and implementing interoperable smart energy products, devices, software, and systems.

The Smart Energy community faces daunting challenges in evolving the grid to accommodate the rapidly changing systems environment. Part of the solution is:

- Specifying standards-based products to increase the potential vendor population
- Reducing system integration costs
- Increasing system reliability and resiliency
- Reducing time to deployment

In-the-field interoperability requires understanding how best to use and specify standards across a variety of applications. The

industry has made great strides in establishing standards to promote product interoperability. But the selection of technology standards is just the starting point. Additional challenges you'll face include:

- Assessing interoperability of products based on a standard
- Understanding how best to specify and benefit from a selected standard
- Training your team how to adopt and deploy selected standards
- How to leverage an industry eco-system based on implementing a particular interface or communications standard

QualityLogic leverages its deep DER

**QualityLogic is the official developer of the OpenADR Certification Test tool and the leading vendor of IEEE 2030.5 test and certification tools. These tools also support the new IEEE 1547.1-2020 Interoperability requirements.**

communications protocol expertise and robust testing and quality assurance infrastructure to provide Utilities with technical education, software testing and certifying solutions, and integration and commissioning support.

## Deep DER Communications Protocol Expertise

QualityLogic uses its deep DER communications protocol expertise to educate both technical and non-technical audiences through our training workshops. The software Test Tool solutions we design also leverage this world-class expertise. Here's how we get your team up and running and equipped with the tools to ensure your implementations:

- Protocol overview training
- Specific protocol training
- Analysis of use cases
- Interoperability test tools
- Custom test tools

## Integration and Commissioning Support

New requirements around grid interconnection for Distributed Energy Resources requires interoperability testing and field commissioning. QualityLogic's tools are

outfitted to handle these requirements and more. Here's how we support Utilities on this front:

- IEEE 1547-2018 required interoperability
- Automated UL 1741 testing
- Field commissioning of DERs

## Robust Testing and Quality Assurance Infrastructure

Our test labs have decades of experience building out a robust testing and quality assurance infrastructure for our customers. QualityLogic can provide software testing and integration services needed to run a modern utility. We enable our Utility customers to deliver quality by:

- Designing and implementing a test program
- Helping Utilities establish their own test labs
- Testing software-based solutions

**QualityLogic's OpenADR, IEEE 2030.5 and DER protocol training workshops have been presented to hundreds of vendor, utility and consultancy technical staff**

### About QualityLogic

QualityLogic's industry-leading test tools, training, and consulting services are major contributors to standards and certification program development for smart energy products. Our test tools certify and ensure interoperability of software products and devices used in automated demand response (ADR), integration of distributed energy resources (DER), and substation automation (DA).



[www.QualityLogic.com](http://www.QualityLogic.com)



[info@qualitylogic.com](mailto:info@qualitylogic.com)



(208) 424-1905