

QualityLogic OpenADR Test Tools and QA Services

Time to market is critical and QualityLogic's OpenADR 2.0 tools and services can dramatically accelerate your development efforts. We are the proud official test tool and training partner of the OpenADR Alliance.

Key Benefits

Experience that Matters

- We designed, developed and maintain the OpenADR Test Harness. We know OpenADR.

Industry Leading Training Programs

- We've trained over 100 engineers in seven countries on the key aspects of the OpenADR standard.

Interoperability Experts

- Our state-of-the-art test tools simulate environments to test interoperability of smart grid products. Work with the EXPERTS to get it right!

Overview

In the Smart Energy market, early products set expectations – positive or negative. That's why it's critical to be sure your products comply with relevant standards, work within smart grid systems, and interoperate with other products. QualityLogic's interoperability experts have the expertise to help you understand, create, validate and certify interoperable Smart Energy products.

Solution at a Glance

To assist companies in the development of OpenADR 2.0 compliant products we have developed a number of products and services to help with your OpenADR 2.0 efforts.

OpenADR Certification Test Tool

You can validate your product's conformance to the OpenADR certification requirements during your development process and prior to submitting your device for certification. The OpenADR Test Tool is exactly the same one used by authorized OpenADR Certification Test Labs worldwide.

Each test case in the Certification Test Tools has a defined set of prerequisites, a test scenario consisting of a sequence of VEN/VTN message exchanges, and an expected result.

Execution of a test scenario will result in payload exchanges between the device under test and the Test Harness. Several forms of analysis are performed on this payload exchange. The Test Harness validates and reports:

- Message interaction patterns are as expected, including correct response and request payloads
- Properly formed XML
- Conformance to OpenADR 2.0 schema
- That specific conformance rules defined in the OpenADR Profile Specification are followed
- The intent of the test case is met – pass
- If the test case fails, an error report is created

OpenADR Workshops

QualityLogic offers one or two-day workshops for those developing OpenADR 2.0 products and those specifying or using them.

OpenADR Developer's Workshops

- Provides a conceptual and detailed technical understanding of what OpenADR 2.0 is and how it works. Your team will become familiar with OpenADR 2.0 technology; Certification Profiles a and b; the conformance certification program; and the pre-certification tests and tools. The workshop illustrates how OpenADR can automate typical utility DR programs.

OpenADR Implementer's Workshops

- The focus is on using OpenADR 2.0, covering high-level and detailed views of features and functions, and DR program design and deployment issues.

Cloud Test System for OpenADR VENS

This subscription service provides you with access to a Cloud server implementation of a conformant OpenADR Virtual Top Node (VTN).

If you are deploying OpenADR-certified products, the Cloud Test System gives you an easy, fast way to configure and execute interoperability tests between VEN products and a reference VTN implementation. The Cloud Test lets you develop interoperability tests mirroring specific deployment scenarios that can be run prior to VENS being deployed in the field.

OpenADR Development Support

Support from our OpenADR experts gives your team access to our in-depth knowledge: they get quick answers to technical questions to keep development projects on track. Implementers get answers to questions that arise about implementation challenges.

Don't lose critical weeks getting up to speed on the technology or the Certification Test Tool. QualityLogic offers combined OpenADR 2.0 Development and Test Tool Support Contracts that easily pay for themselves in saved time for product development and certification.

Learn More

To find out more, or purchase OpenADR 2.0 test tools, support, and Cloud Tester subscriptions visit our Storefront at <http://bit.ly/smartgrid4>.

About QualityLogic

QualityLogic develops, supports, and maintains the official conformance and interoperability test tool for OpenADR 2.0 compliant products and offers test and certification program consulting and services for Smart Energy technologies and web and mobile applications. QualityLogic is an active participant in Smart Grid standards activities and conferences.



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