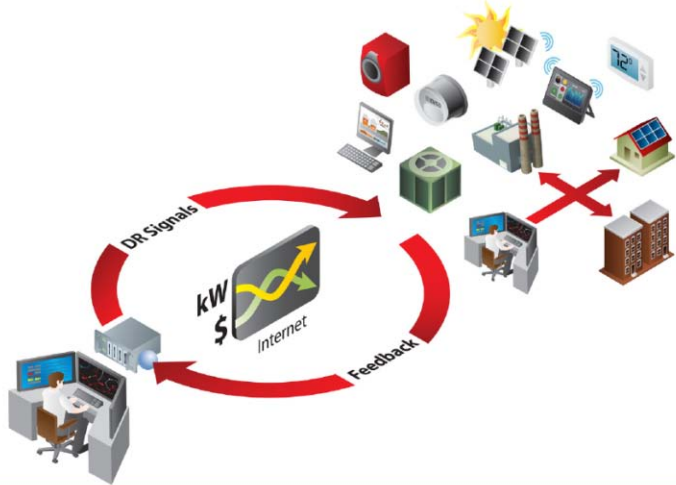


EPRI Open Demand Response & Ancillary Services Demonstration Project Update

Newsletter

February 2013



ABOUT THE NEWSLETTER

The EPRI Open Automated Demand Response Demonstration Project is a three-year collaborative research effort focused on helping to accelerate standards development of protocols for OpenADR and Ancillary services, and to answer many of the questions about the needs and requirements of electric utilities and ISOs. This newsletter provides periodic updates on the project, relevant industry news, and events.

CONTACTS

Please remember to reach out to us with any questions you may have. These are the primary contacts:

- Ingrid Bran, Sr. Project Manager, ibran@epri.com, 650-855-1064
- Chuck Thomas, Sr. Engineer, cthomas@epri.com, 865-218-8031
- Matt Wakefield, Sr. Program Manager, mwakefield@epri.com, 865-218-8087
- Your EPRI Account Executive (if you don't know who that is, let one of us know and we will get you in touch)

PARTICIPANTS

We currently have the participation of seven funders:

- American Electric Power (AEP)
- California Independent System Operator (CAISO)
- Électricité de France (EDF)
- Kansas City Power & Light (KCP&L)
- New York Independent System Operator (NYISO)
- Southern Company
- Tokyo Electric Power Company (TEPCO)

DEMO PROJECTS

These are the EPRI Demonstration projects currently in development:

Sector	Site	Research Focus
Commercial	LEED Platinum Building	Measurement and Verification of Fast DR
Commercial	Utility Company Buildings	Evaluation of OpenADR2.0-certified products
Commercial	High-Rise Building	Telemetry
Commercial	Large Retail Building	Evaluation of OpenADR2.0-certified products
Commercial / Residential	Commercial Building / Residential Building	Integration of OpenADR Virtual Top Node (VTN) and Virtual End Node (VEN) into Existing System
Residential	Residential Buildings	Implementation into Existing Home Automation Solution
Industrial	Furnaces in Industrial Laboratory	Interoperability

For additional information on the demonstration projects, or to discuss your ideas for a demonstration project, please contact us.

SAVE THE DATE

Project Meeting and OpenADR2.0 Technical Training Workshop

When

Wednesday, June 19 (starting with lunch) through Thursday, June 20 (finishing with lunch)

Where

Chicago, Illinois

We are finalizing the information for our meeting and we will send OpenADR Demo Project members an invitation shortly. We have planned to hold a Technical Training Workshop on OpenADR as part of our Demo project meeting.

A key portion of our OpenADR Demo meeting will be a training workshop on OpenADR2.0 (free to Demo participants; \$500/person for all others). The training will include the history of OpenADR, technical review of profiles, the EPRI OpenADR server and client, and the opportunity for hands-on practice in DR messaging.

We have planned our Demo meeting in combination with the EPRI Smart Distribution and Power Quality Conference and Exhibition, which will take place in Chicago from June 17th to June 19th. We are finalizing the information and agenda for our meeting and we will send invitations shortly. Meanwhile, you may [register for EPRI Smart Distribution & Power Quality Conference & Exhibition 2013](#).

STANDARDS UPDATE

Open ADR Specification

The OpenADR Alliance (www.openadr.org) was formed to accelerate the development, adoption and compliance of OpenADR standards throughout the energy industry. The OpenADR Alliance released their OpenADR2.0a Profile Specification in August 2012. Since then several products have been tested and certified for OpenADR2.0a. They include products by Honeywell, AutoGrid, EnerNOC, IPKeys, Regen Energy, and Universal Devices. The OpenADR2.0b Profile Specification is under development and will include a feedback mechanism for data reports.

RESEARCH UPDATE

Guidelines for Implementing AutoDR and Ancillary Services Systems

Under contract to EPRI, EnerNex has completed a review of existing metering and telemetry requirements for ISO Interconnection using the CAISO case. The project results contain a review of metering and telemetry documents for the CAISO, and a matrix summary that maps business/operational requirements to required implementation attributes. Over 900 unique business rules and requirements were captured. We will publish this report as an EPRI document and will alert you when it becomes available.
