



**QualityLogic's Smart  
Energy Products and  
Services  
SunSpec 2022 Member Meeting**

**December 2022**



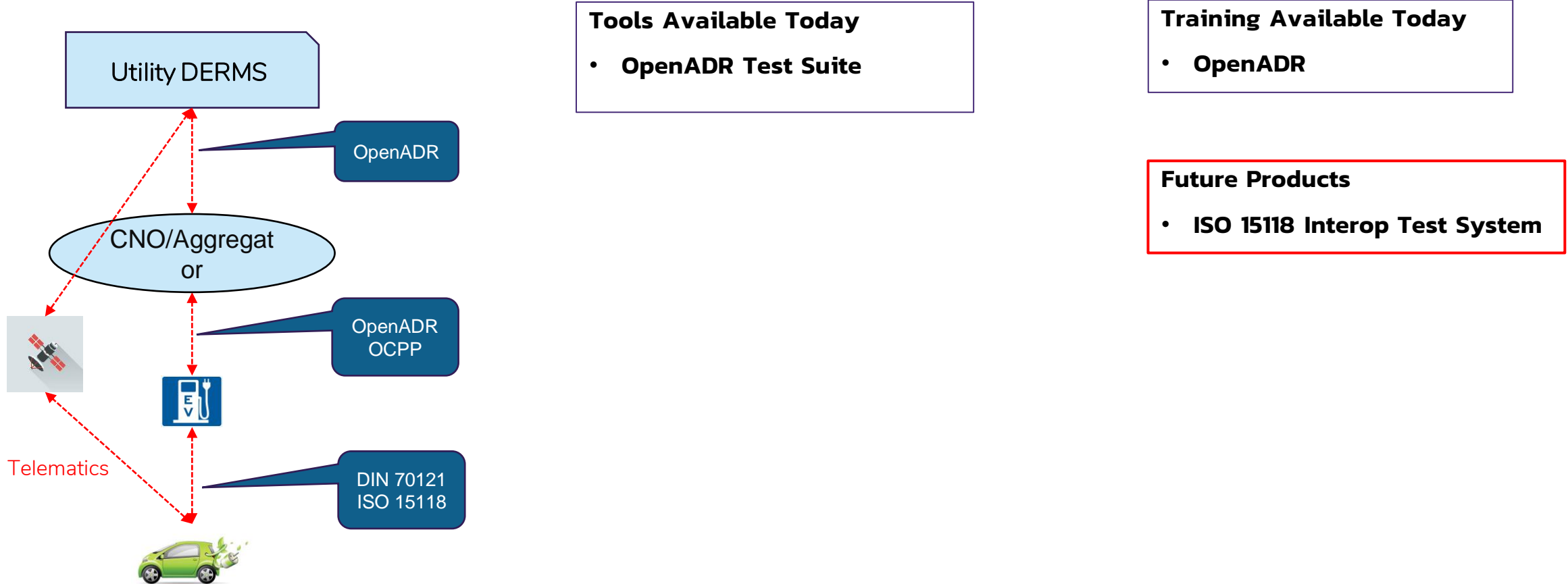
# QualityLogic Product Portfolio



- **We're best known for our IEEE 2030.5 CSIP and IEEE 1547.1 Test Tools**
- **BUT also**
  - OpenADR
  - Wi-SUN Test Bed Controller
- **And Test Tools for EV Vehicle Grid Integration Efforts**
  - V1G – Managed Charging
  - V2G – EVs as DER
  - End-End Test Tools



# US Market V1G: QualityLogic Tools and Services

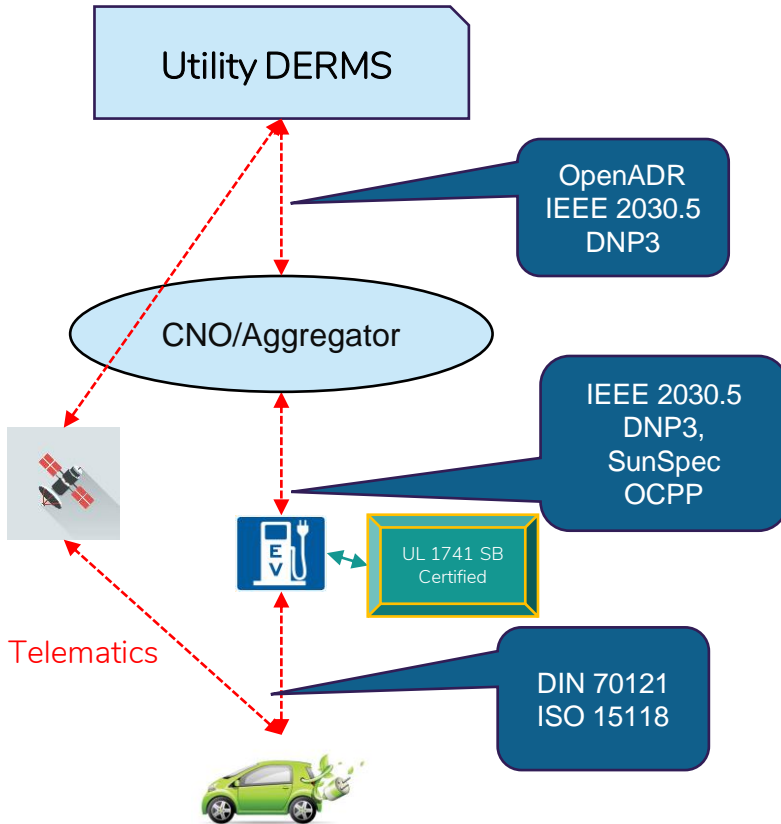


- Tools Available Today**
- **OpenADR Test Suite**

- Training Available Today**
- **OpenADR**

- Future Products**
- **ISO 15118 Interop Test System**

# US Market V2G-DC: QualityLogic Tools and Services



## Tools Available Today

- **OpenADR Test Suite**
- **IEEE 2030.5 CSIP Test Suite**
- **IEEE 2030.5 Ad Hoc Tests**
- **DNP3 for IEEE 1547 Interop**
- **SunSpec Modbus for IEEE 1547**
- **IEEE 1547/UL 1741 SB Certification Test System**

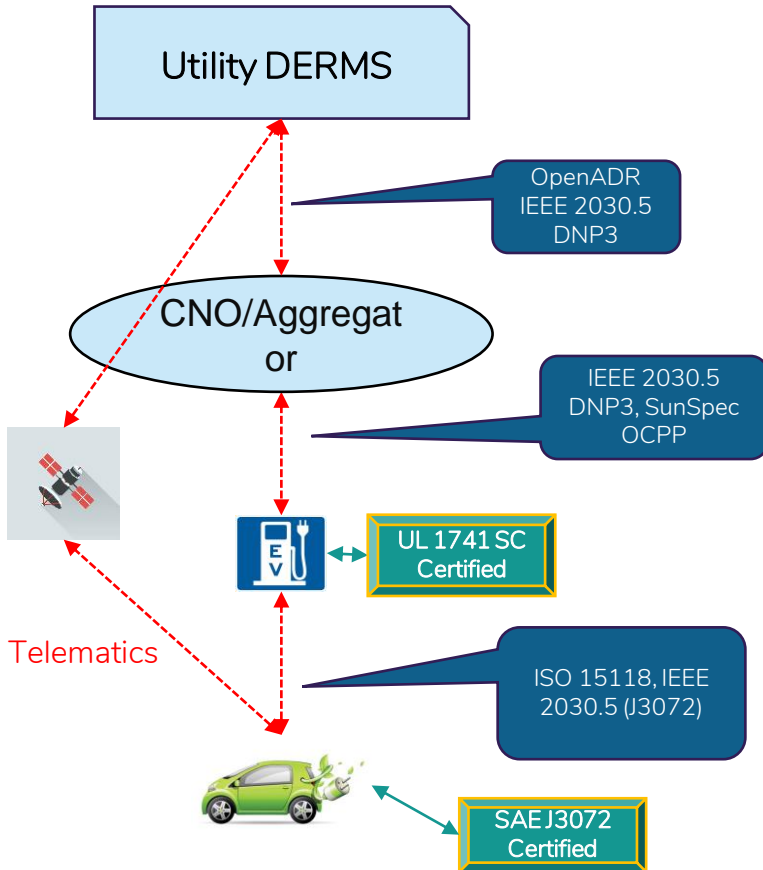
## Training Available Today

- **OpenADR**
- **IEEE 2030.5**
- **IEEE 1547**

## Future Products

- **ISO 15118 Interop Test System**

# US Market V2G-AC: QualityLogic Tools and Services



## Tools Available Today

- **OpenADR Test Suite**
- **IEEE 2030.5 CSIP Test Suite**
- **IEEE 2030.5 Ad Hoc Tests**
- **DNP3 for IEEE 1547 Interop**
- **SunSpec Modbus for IEEE 1547**

## Training Available Today

- **OpenADR**
- **IEEE 2030.5**
- **IEEE 1547**

## Future V2G Products

- **SunSpec SAE J3072 IEEE 2030.5 Profile**
  - Ad Hoc in development
  - Certification tests waiting on SunSpec Test Spec
- **UL 1741 SC EVSE Certification Test Suite**
  - Pending completion of Standard
- **SAE J3072 EV Test System**
  - Modified IEEE 1547/UL 1741 SB test system
- **ISO 15118 Interop Test System**

# Two Upcoming Events

- **QualityLogic V2G Webinar: The Coming [Vehicle-to-Grid Evolution](#), December 15, 8-9AM PST**
  - Why do IEEE 1547 and EVs matter to each other?
  - Overview of IEEE 1547
  - Overview of V2G in the US
  - IEEE 1547 and V2G
  - Challenges for V2G in the US
- **V2G Forum March Feb 28-Mar 1**

Free Webinar:  
The Coming V2G Evolution: The  
Role of IEEE 1547-2018



First Annual February 28 - March 1, 2023 Los Angeles

**V2G** Business, Policy and  
Technology Forum

*A neutral Forum for achieving the potential of V2G*

The banner features a stylized white EV charging station icon on the left. The text is primarily in white and yellow against a blue background.