

Charger End to End Verification Testing March 5, 2024



End-2-End Verifications Testing and Test environments

Conducting End-2-End Compliance Testing

Electric Vehicle Charging Infrastructure

3



End-2-End testing of Electric Vehicle (EV) charging infrastructure is important contributing to a flawless charging experience for EV drivers with interoperability as a key element

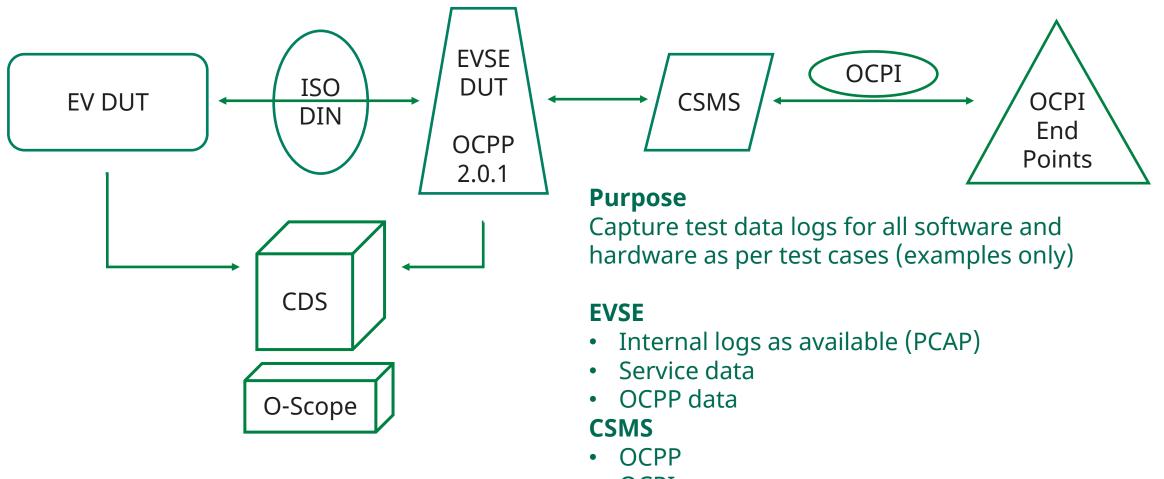
Combined Charging System (CCS) Basic conformance tests and issue the CCS Basic certificate for charging stations, will help to improve interoperability in the field and significantly enhance the charging experience for users

End-to-end testing of EV charging infrastructure, including testing the secure communication between the EV, the charging station, and the back office is necessary in the early stages of development and deployment

Issue recognition and resolution during End-2-End will help improve the standards and the conformance test programs long

Considering the Elements in the Test Chain

Example only - Can be more rigorous of less depending on the needs of the test conditions



- OCPI
- OPCP

DEKRA Has Made

Charger Testing Easy

Ample Vehicle Access – @ grade level drive in facility doors

2)

3)

Ample High Voltage power for an Array of EV Charger Testing with distribution panels ready for specific configurations

Complete Certification Testing and Certifications for OCPP and ISO 15118 – 3, 2, and 20 with test systems ready for max power applications

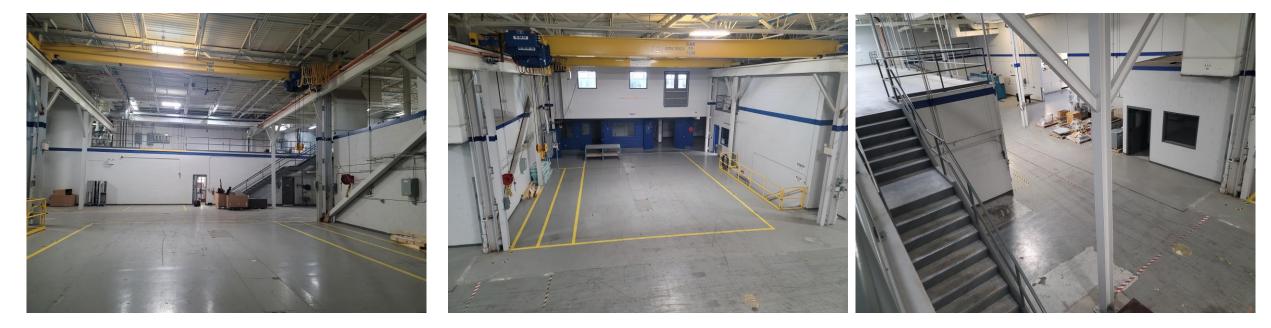




Facility Capabilities and Space



DEKRA Plymouth Technical Space



Large open areas & ability to configure for purpose-built systems and test environments

IT capabilities enabled for guests and clients

Ample power and power distribution to support large EV charger projects

Cranes, forklifts make heavy equipment moving less challenging

6 Footer



THANK YOU