About Open Charge Alliance

The Open Charge Alliance (OCA) is a global consortium of public and private Electric Vehicle (EV) infrastructure leaders. Our mission is to foster global development, adoption, and compliance of communication protocols in the EV charging infrastructure and related standards through collaboration, education, testing, and certification.

- Our strength is a fundamental commitment to open processes and products
- Free to use: no constraints on the use of the standard
- Development is open and market driven to meet existing and emerging technical and business requirements
- Pragmatic approach that leverages knowledge and experience of experts in EV charging infrastructure
- Uphold OCPP and OSCP as vital standards, with implementations widely adopted and deployed

With more than 120 participants we span all sectors of the industry, including charging equipment manufacturers, software and systems providers, charging network operators, utilities, DSOs and research organizations.

Would you like to join OCA?
Please visit the website: www.openchargealliance.org/participants/becoming-a-participant
**Compliance Testing Tool**

OCA has developed an OCPP Compliance Testing Tool. This tool can be used to self-test OCPP implementations for OCPP version 1.6 compliance. The tool supports both SOAP and JSON and can be used to test a Central System and Charging Station.

**Release**

The tool covers the following OCPP 1.6 functionalities:
- Core Profile
- Other OCPP functionalities:
  - Reservation
  - Local Authorization List
  - Remote Trigger
  - Smart Charging
  - Authorization Cache
  - Data Transfer
  - Diagnostics
- Firmware Management
- Security

All test cases can be tested with happy as well as non-happy flows. It can be used to automate testing using continuous integration functionality that is included in the tool.

The OCPP Compliance Testing Tool development has been funded by OCA and its members. The tool has been validated against different 1.6 implementations in the field.

**Benefits**

- Can be used for conformance testing
- Can be used for test automation (Continuous Integration)
- Can be used for validation of OCPP 1.6 implementations
- Makes implementing OCPP 1.6 much easier
- Helps with integrating OCPP 1.6 implementations of different vendors
- The tool will also be used in the future certification program. You can use the tool to validate your implementation before you apply for OCPP 1.6 certification at a designated test lab.

**Description**

Functionality based on:
- OCPP 1.6 Specification
- OCPP 1.6 Errata sheet
- OCPP 1.6 Security Whitepaper

Technical description:
- Runs on Java 1.8 (Java SDK required)
- Tested by OCA on Windows, Linux + Mac OS
- Tool runs locally on PC / laptop
- Internet connection needed for license activation
- Number of activations per license: 4

**For more information please contact the Open Charge Alliance: info@openchargealliance.org**

**Purchase**

The tool can be purchased by both OCA members and non-members. OCA members will get a discount. The price for OCA members is 6,000 euros and for non-members it is 16,000 euros. You will receive a quotation and a License Agreement (LA). Upon receipt of the confirmation of the order and a signed agreement we will send you the invoice. When the payment is received you will receive the tool with license from us.

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<th></th>
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<th>Price tool (€) incl. Membership*</th>
<th>Price tool (€) for non-members*</th>
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* Price includes both the core profiles of the tool and the additional functionalities.

**Documentation**

You will receive the following documentation when you purchase the tool:
- Test Case document with test cases describing each scenario separately
  - For Charging Station 102 test cases
  - For Charging Station Management System 70 test cases
  - Installation manual
  - User manual (Continuous Integration included)