# OCPP 1.6 Security Certificate

**Certificate holder:** CS Technology

**Certificate number:** OCA.0016.0255.CSMS

**Product type:** Charging Station Management System

**Product designation:** CHARGE-Q-CSMS
OCPP Software version: v1.0.0

**Certification date:** December 21, 2022

This certificate attests that the above mentioned product successfully completed security certification testing in conformance with the reference specification Security Whitepaper – Edition 3 (Improved security for OCPP 1.6-J v1.3, 2022-02-17). The security profiles of the protocol covered by this certificate can be found in the abstract of this certificate.

Test cases have been performed as described in the test report referred to below. The results and remarks can be found in the complete test report.

| Applied tests | Performed by / on | Document evidence |
|---|---|---|
| *Conformance testing according to the test specification referenced by the test report* | *Korea Smart Grid Association*, December 21, 2022 | *KSGA_20221221_Test Report_CSTechnology* |

The abstract of test report in the Annex is an integral part of this certificate. This certificate is valid from the Certification Date specified above. This certificate is only applicable to the product designation described above and permits the use of the OCPP logo as laid down in the OCA certification logo license agreement on this product only.

This certificate shall neither be tendered nor accepted by any party as a guarantee covering quality of a product which includes OCPP. The Open Charge Alliance, and/or its agents, including, inter-alia, test laboratories, disclaim liability for any damages or losses incurred by the certified company or by any other party resulting from reliance on the results of OCPP certification testing.

For the Open Charge Alliance:

**ONOPH CARON**
*Chairman*

## Abstract of test report

*Test Result Summary*

| Test Report OCPP 1.6 Certification | |
|---|---|
| Test laboratory: | Korea Smart Grid Association |
| Location: | Seoul / Korea |
| Test Report Reference: | KSGA-OCPP1.6TEST-155-2022 |
| Vendor name: | CS Technology |
| Device Under Test: | CSMS |
| Communication: | JSON |
| OCPP Software version: | v1.0.0 |

| Test Result Summary for the certified security functionalities | | |
|---|---|---|
| Functionalities | OCPP 1.6 Security Certification Test Results | Description |
| Security Profile 1 | Pass | Unsecured Transport with Basic Authentication<br>Profile 1 is optional. |
| Security Profile 2 | Pass | TLS (1.2 or higher) with Basic Authentication<br>Security profile 2 or security profile 3 or both must be implemented. |
| Security Profile 3 | Pass | TLS (1.2 or higher) with Client Side Certificates<br>Security profile 2 or security profile 3 or both must be implemented. |

*Statement of Approval*

| Vendor | | Date: 2022.12.21 |
|---|---|---|
| **Name** | Hyosung AHN | Signature |
| **Company** | CS Technology | |
| **Department** | R&D Center | |
| **Position** | Director | |
| **Location** | Incheon, Korea | |

| Test laboratory | | Date: 2022.12.21 |
|---|---|---|
| **Name** | Philip YANG | Signature |
| **Company** | Korea Smart Grid Association | |
| **Department** | Quality Certification Center | |
| **Position** | Senior Researcher | |
| **Location** | Seoul, Korea | |