OCPP 2.0.1
CORE CERTIFIED

Certificate Holder:	**Driivz Ltd.**
Certificate Number:	**OCA.0201.0001.CSMS**
Product Type:	**Charging Station Management System**
Product Designation:	**Driivz CSMS Operator Portal**
OCPP Software Version:	**7.15.0**
Certification Date:	**August 8, 2023**

This certificate attests that the above mentioned product successfully completed certification testing in conformance with the reference specification OCPP 2.0.1 (Part 2 - Specification Edition 2 FINAL, 2022-12-15 including Errata, v1.0, 2023-06-30). The optional OCPP protocol features that are covered by this certificate can be found in the Abstract of the Test Report that is part 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 this complete test report.

Applied	Performed by / On	Document Evidence
Conformance testing according to the test specification referenced by the test report	DNV / June 23, 2023	DNV 20230623_Test Report_OCPP 2.0.1_CSMS_Driivz

The abstract of test report 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 the Test Report

<table>
<tr><td colspan="2">**Test Report OCPP 2.0.1 Certification**</td></tr>
<tr><td>**Test laboratory:**</td><td>**DNV**</td></tr>
<tr><td>Location:</td><td>Arnhem, The Netherlands</td></tr>
<tr><td>Test Report Reference:</td><td>DNV 20230608_Test Report_OCPP 2.0.1_CSMS_Driivz</td></tr>
<tr><td>**Product Designation:**</td><td>**Driivz CSMS Operator Portal**</td></tr>
<tr><td>Vendor name:</td><td>Driivz Ltd.</td></tr>
<tr><td>Device Under Test:</td><td>Charging Station Management System</td></tr>
<tr><td>OCPP Software Version</td><td>7.15.0</td></tr>
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Test Result Summary for the Certified Functionalities

Certification Profile	Test Result	Description
Core	Pass	Basic Charging Station functionality for booting, authorization, configuration, transactions, remote control, including basic security.
Advanced Security	Pass	Support for TLS with client authentication.
Local Authorization List Management	Not Tested	Support for local authorization list management and optionally of an authorization cache.
Smart Charging	Not Tested	Support for Smart Charging, to control charging.
Advanced Device Management	Not Tested	Support for the OCPP Device Model and advanced logging and monitoring.
Reservation	Not Tested	Support for reservation of a connector of a Charging Station.
Advanced User Interface	Not Tested	Support for tariff & cost and DisplayMessage functionality.
ISO 15118 Support	Not Tested	Support for ISO 15118 Smart Charging and Plug and Charge authorization.

Optional Features

	Core	
Id	**Feature**	**Supported / Present**
C-11	Support for unlocking connector for charging station with detachable cable.	Yes
C-13	Support for Reset per EVSE	Yes
C-14	Support for retrieving / deleting CustomerInformation - CustomerIdentifier	No
C-15	Support for scheduled firmware updates	Yes
C-16	Support for checking the TransactionStatus	Yes
C-17	Support for retrieving the ConfigurationInventory	Yes
C-29	TriggerMessage	Select all supported suboptions
C-29.1	Trigger message - MeterValues	Yes
C-29.2	Trigger message - TransactionEvent	Yes
C-29.3	Trigger message - LogStatusNotification	Yes
C-29.4	Trigger message - FirmwareStatusNotification	Yes
C-29.5	Trigger message - StatusNotification	Yes

Id	**Authorization Options for Local Start**	**Tested During Certification**
C-30	Authorization - using RFID ISO14443	Yes
C-31	Authorization - using RFID ISO15693	Yes
C-32	Authorization - using KeyCode	Yes
C-33	Authorization - using locally generated id	Yes
C-34	Authorization - MacAddress	Yes
C-35	Authorization - NoAuthorization	Yes

Id	**Authorization Options for Remote Start**	**Tested During Certification**
C-36	Authorization - using RFID ISO14443	Yes
C-37	Authorization - using RFID ISO15693	Yes
C-38	Authorization - using centrally, in the CSMS generated id	Yes
C-39	Authorization - NoAuthorization	No

Id	Feature	Supported / Present
C-44	Support for sending a BootNotification Pending before Accepting	No
C-45	Support for Multiple elements GetVariablesRequest	Yes
C-46	Support for Multiple elements SetVariablesRequest	Yes
C-50	GetBaseReport - FullInventory	
C-50.1	GetBaseReport - FullInventory - During onboarding	No
C-50.2	GetBaseReport - FullInventory - Manual trigger	Yes

Additional Questions

Id	Additional Questions for Lab Testing:	Supported / Present
AQ-1	Can your CSMS be configured to first respond to a BootNotificationRequest with status Pending or Rejected?	No
AQ-2	Is a FullInventory requested during onboarding / booting test cases?	No
AQ-6	Does the CSMS reject unknown Charging Stations during websocket connection setup?	Yes

Vendor Specific Settings

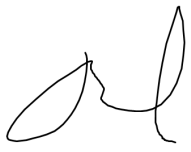| Configuration Setting	Configured Value	Description
Signing Certificate	For signing RSA/ECDSA certificates CA for that algorithm must be configured	The product supports signing certificate requests for both algorithms, but requires configuration changes to determine which one is used.

Performance Measurement Result

Name	Max Value	Unit	Description
OCPP response time	4	seconds	The response time for when waiting for an OCPP response message after sending an OCPP request message. This entails all OCPP messages, excluding Authorize. Messages to the DUT can be handled within this timeout.
Response time Authorize	4	seconds	The response time for the Authorize message.

Name	Min Value	Max Value	Average Value	Unit
OCPP response time	0.04	3.80	0.21	seconds
Response time Authorize	0.13	3.37	0.64	seconds

Communication technology used during performance measurement:	Ethernet

Statement of Approval

Vendor		
Name	Joseph Levy	Date: 07-08-2023
Company	Driivz Ltd.	Signature:
Department	R&D	
Position	CTO	
Location	HaHarash St 4, Hod Hasharon, Israel, Zip Code 4524075	

Test laboratory		
Name	Casper van der Sluis	Date: 08-08-2023
Company	DNV	Signature:
Department	Digital System Operations	
Position	Consultant Digital System Operations	
Location	Arnhem, The Netherlands	