

OCPP 1.6 Full Certificate



Certificate holder: Ubitricity G.f.v.e. mbH
Certificate number: OCA.0016.0339.CS
Product type: Charging Station
Product designation: Chelsea
OCPP Software version: b1000c_mmsda-fs-2.27.3
Hardware feature set as stated below
Certification date: April 26, 2023

This certificate attests that the above mentioned product successfully completed certification testing in conformance with the reference specification OCPP 1.6 – Edition 2 with OCPP 1.6 Errata sheet (v4.0 Release, 2019-10-23). The optional features of the protocol are also covered by this certification.

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
<i>Conformance testing according to the test specification referenced by the test report</i>	<i>DNV Netherlands B.V., April 26, 2023</i>	<i>DNV_20230424_Test Report_Ubitricity_V104</i>

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

A blue ink signature of Onoph Caron, Chairman of the Open Charge Alliance.

Abstract of test report

Test Result Summary

Test Report OCPP 1.6 Certification		
Test laboratory:	DNV	
Location:	Arnhem, The Netherlands	
Test Report Reference:	DNV_20230424_Test Report_Ubitricity_V104	
Vendor name:	ubitricity G.f.v.E. mbH	
Device Under Test:	Charging Station	
Communication:	JSON	
OCPP Software version:	b1000c_mmsda-fs-2.27.3	
Product designation:	Chelsea	
Test Result Summary for the certified functionalities		
Functionalities	OCPP 1.6 Certification Test Results	Description
Core	Pass	Basic Charging Station functionality for booting, authorization (incl. cache if available), configuration, transactions, remote control.
Optional features		
Firmware Management	Pass	Support for (remote) firmware update management and diagnostic log file download.
Smart Charging	Pass	Support for Smart Charging (all profile types, including stacking), to control charging.
Reservation	Pass	Support for reservation of a connector of a Charging Station.
Local Authorization List Management	Pass	Features to manage a local list in the charging station containing authorization data for whitelisting users.
Remote Trigger	Pass	Support for remotely triggering messages that originate from a Charging Station. This can be used for resending messages or for getting the latest information from the Charging Station.

Performance Measurement Results

Name	PICS value	Measured value	Description
OCPP triggered function timeout:	5 Sec	4 Sec	The response time for when waiting for an OCPP function with its corresponding request message. (Firmware update, Diagnostics and Reboot are excluded from this measurement.)
OCPP response timeout:	5 Sec	5 Sec	The response time for when waiting for an OCPP response message.
Response time RemoteStartTransaction:	5 Sec	0 Sec	The response time for the RemoteStartTransaction message.

Test Configuration

Vendor	ubitricity G.f.v.E. mbH
DUT / SUT	Charge Point
Communication	JSON
Type	Chelsea
OCPP Software version	b1000c_mmsda-fs-2.27.3
OCTT version	OCTT 1.6 v1.4.3

Hardware feature set

Feature	Configuration
Socket(s) / connector(s)	Single
Fixed cable	No
Communication technology	Mobile network
RFID readers	none

Non-OCPP Charge Point Configuration

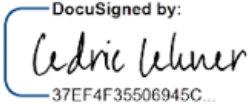
Configuration key	Value
<>	<>


All other relevant limits and non-OCPP settings that are relevant for the test laboratory and for the correct functioning of the CSMS:

Limit / setting	Value
Device supports sending milliseconds in timestamps.	Yes

OCPP Charging Station Configuration	
Configuration key	Value
AllowOfflineTxForUnknownId	FALSE
AuthorizationCacheEnabled	FALSE
AuthorizeRemoteTxRequests	TRUE
BlinkRepeat	<optional>
ClockAlignedDataInterval	0
ConnectionTimeOut	60
ConnectorPhaseRotation	1.Unknown
ConnectorPhaseRotationMaxLength	2
GetConfigurationMaxKeys	64
HeartbeatInterval	60
LightIntensity	100
LocalAuthorizeOffline	FALSE
LocalPreAuthorize	FALSE
MaxEnergyOnInvalidId	<optional>
MessageTimeout	20
MeterValuesAlignedData	16
MeterValuesAlignedDataMaxLength	16
MeterValuesSampledData	16
MeterValuesSampledDataMaxLength	16
MeterValueSampleInterval	60
MinimumStatusDuration	TRUE
NumberOfConnectors	1
ResetRetries	0
StopTransactionMaxMeterValues	1000
StopTransactionOnEVSideDisconnect	<optional>
StopTransactionOnInvalidId	TRUE
StopTxnAlignedData	16
StopTxnAlignedDataMaxLength	16
StopTxnSampledData	16
StopTxnSampledDataMaxLength	16
SupportedFeatureProfiles	Core,FirmwareManagement,LocalAuthListManagement,Reservation,SmartCharging,RemoteTrigger
SupportedFeatureProfilesMaxLength	<optional>
TransactionMessageAttempts	3
TransactionMessageRetryInterval	180
UnlockConnectorOnEVSideDisconnect	TRUE
WebSocketPingInterval	30
LocalAuthListEnabled	TRUE
LocalAuthListMaxLength	1000
SendLocalListMaxLength	1000
ReserveConnectorZeroSupported	TRUE
ChargeProfileMaxStackLevel	8
ChargingScheduleAllowedChargingRateUnit	Current, Power
ChargingScheduleMaxPeriods	256
ConnectorSwitch3to1PhaseSupported	TRUE
MaxChargingProfilesInstalled	32
SupportedFileTransferProtocols	HTTP,HTTPS

Statement of Approval

Vendor		Date: 2023-04-26
Name	Cedric Lehner	Signature
Company	ubitricity G.f.v.e. mbH	 <p>DocuSigned by: Cedric Lehner 37EF4F35506945C...</p>
Department	Technology	
Position	Head of Embedded Software	
Location	Berlin, Germany	

Test laboratory		Date: 2023-04-26
Name	Casper van der Sluis	Signature
Company	DNV	
Department	Digital System Operations	
Position	Consultant Digital System Operations	
Location	Arnhem	