

OCPP 1.6 Subset Certificate



Certificate holder: ITE (INSTITUTO TECNOLÓGICO DE LA ENERGÍA)
Certificate number: OCA.0016.0166.CS
Product type: Charging Station
Product designation: CS Hysgrid+
OCPP Software version: 1.0.0
Hardware feature set as stated below
Certification date: July 5, 2022

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 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
<i>Conformance testing according to the test specification referenced by the test report</i>	<i>DNV Lab Arnhem, NL, July 5, 2022</i>	<i>DNV_20220705_Test Report_ITE</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	
Test Report Reference:	DNV_20220705_Test Report_ITE_V104	
Vendor name:	ITE (INSTITUTO TECNOLÓGICO DE LA ENERGÍA)	
Device Under Test:	Charging Station	
Communication:	JSON	
OCPP Software version:	1.0.0	
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	N/A	Support for (remote) firmware update management and diagnostic log file download.
Smart Charging	N/A	Support for Smart Charging (all profile types, including stacking), to control charging.
Reservation	N/A	Support for reservation of a connector of a Charging Station.
Local Authorization List Management	N/A	Features to manage a local list in the charging station containing authorization data for whitelisting users.
Remote Trigger	N/A	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

Performance Measurement Results			
Name	PICS value	Measured value	Description
OCPP triggered function timeout:	120 sec	3 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:	16 sec	16 sec	The response time for when waiting for an OCPP response message.
Response time RemoteStartTransaction:	10 sec	1 sec	The response time for the RemoteStartTransaction message.

Test Configuration

Test Configuration	
Vendor	ITE (INSTITUTO TECNOLÓGICO DE LA ENERGÍA)
DUT / SUT	Charge Point
Communication	JSON
Type	HYSGRID-CLON
OCPP Software version	1.0.0
OCTT version	OCTT 1.6 v1.4.3

Hardware feature set	
Feature	Configuration
Socket(s) / connector(s)	Single
Fixed cable	Yes
Communication technology	WiFi
RFID readers	single


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	TRUE
AuthorizeRemoteTxRequests	TRUE
BlinkRepeat	<optional>
ClockAlignedDataInterval	1
ConnectionTimeout	45
ConnectorPhaseRotation	0.RST
ConnectorPhaseRotationMaxLength	<optional>
GetConfigurationMaxKeys	30
HeartbeatInterval	60
LightIntensity	<optional>
LocalAuthorizeOffline	TRUE
LocalPreAuthorize	TRUE
MaxEnergyOnInvalidId	<optional>
MessageTimeout	<optional>
MeterValuesAlignedData	Energy.Active.Import.Register SoC
MeterValuesAlignedDataMaxLength	<optional>
MeterValuesSampledData	Energy.Active.Import.Register SoC
MeterValuesSampledDataMaxLength	<optional>
MeterValueSampleInterval	10
MinimumStatusDuration	0
NumberOfConnectors	1
ResetRetries	9999
StopTransactionMaxMeterValues	<optional>
StopTransactionOnEVSideDisconnect	TRUE
StopTransactionOnInvalidId	TRUE
StopTxnAlignedData	Energy.Active.Import.Register SoC
StopTxnAlignedDataMaxLength	<optional>
StopTxnSampledData	60
StopTxnSampledDataMaxLength	<optional>
SupportedFeatureProfiles	Core
SupportedFeatureProfilesMaxLength	<optional>
TransactionMessageAttempts	9999
TransactionMessageRetryInterval	60
UnlockConnectorOnEVSideDisconnect	TRUE
WebSocketPingInterval	15
LocalAuthListEnabled	
LocalAuthListMaxLength	
SendLocalListMaxLength	
ReserveConnectorZeroSupported	<optional>
ChargeProfileMaxStackLevel	1
ChargingScheduleAllowedChargingRateUnit	Power
ChargingScheduleMaxPeriods	96
ConnectorSwitch3to1PhaseSupported	<optional>
MaxChargingProfilesInstalled	1
SupportedFileTransferProtocols	<optional>

Statement of Approval

Vendor		Date: 05.07.2022
Name	Caterina Tormo	Signature 
Company	ITE	
Department	Software	
Position	Head of department	
Location	Paterna, Valencia	

Test laboratory		Date: 05.07.2022
Name	Casper van der Sluis	Signature 
Company	DNV	
Department	Digital System Operations	
Position	Consultant Digital System Operations	
Location	Arnhem	