OCPP 1.6
Subset Certificate

Certificate holder:	Eaton
Certificate number:	OCA.0016.0486.CS
Product type:	Charging Station
Product designation:	GMB 3.7-22kW 5m T2C MID
	OCPP Software version: 1507
Certification date:	September 4, 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 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	*DEKRA Certification NL,* September 4, 2023	*EATON OCPP Test Report_ChargingStation*

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

<table>
<tr><td colspan="2">Test Report OCPP 1.6 Certification</td></tr>
<tr><td>Test laboratory:</td><td>DEKRA CERTIFICATION B.V.</td></tr>
<tr><td>Location:</td><td>ARNHEM, NETHERLANDS</td></tr>
<tr><td>Test Report Reference:</td><td>227879800</td></tr>
<tr><td>Vendor name:</td><td>Eaton</td></tr>
<tr><td>Device Under Test:</td><td>Charging Station</td></tr>
<tr><td>Communication:</td><td>JSON</td></tr>
<tr><td>OCPP Software version:</td><td>1507</td></tr>
<tr><td>Product designation:</td><td>GMB 3.7-22kW 5m T2C MID</td></tr>
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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

Name	PICS value	Measured value	Description
OCPP triggered function timeout:	30	17	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:	30	1	The response time for when waiting for an OCPP response message.
Response time RemoteStartTransaction:	10	0	The response time for the RemoteStartTransaction message.

Test Configuration

Vendor	Eaton
DUT / SUT	Charge Point
Communication	JSON
Type	GMB 3.7-22kW 5m T2C MID
OCPP Software version	1507
OCTT version	OCTT 1.6 v1.4.3

Hardware feature set	
Feature	**Configuration**
Socket(s) / connector(s)	Single
Fixed cable	Yes
Communication technology	WiFi / ethernet
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.	No

OCPP Charging Station Configuration	
Configuration key	**Value**
AllowOfflineTxForUnknownId	TRUE
AuthorizationCacheEnabled	FALSE
AuthorizeRemoteTxRequests	
BlinkRepeat	N.A.
ClockAlignedDataInterval	0
ConnectionTimeOut	60
ConnectorPhaseRotation	0.RST,1.RST
ConnectorPhaseRotationMaxLength	N.A.
GetConfigurationMaxKeys	20
HeartbeatInterval	0 - No limit
LightIntensity	66
LocalAuthorizeOffline	TRUE
LocalPreAuthorize	FALSE
MaxEnergyOnInvalidId	0
MessageTimeout	N.A.
MeterValuesAlignedData	Energy.Active.Import.Register
MeterValuesAlignedDataMaxLength	N.A.
MeterValuesSampledData	Current.Import, Energy.Active.Import.Register, Power.Active.Import, Voltage
MeterValuesSampledDataMaxLength	N.A.
MeterValueSampleInterval	0
MinimumStatusDuration	N.A.
NumberOfConnectors	1
ResetRetries	5
StopTransactionMaxMeterValues	N.A.
StopTransactionOnEVSideDisconnect	TRUE
StopTransactionOnInvalidId	TRUE
StopTxnAlignedData	N.A.
StopTxnAlignedDataMaxLength	50
StopTxnSampledData	Energy.Active.Import.Register
StopTxnSampledDataMaxLength	100
SupportedFeatureProfiles	Core
SupportedFeatureProfilesMaxLength	N.A.
TransactionMessageAttempts	5
TransactionMessageRetryInterval	5
UnlockConnectorOnEVSideDisconnect	TRUE
WebSocketPingInterval	60
LocalAuthListEnabled	
LocalAuthListMaxLength	
SendLocalListMaxLength	
ReserveConnectorZeroSupported	<optional>
ChargeProfileMaxStackLevel	
ChargingScheduleAllowedChargingRateUnit	
ChargingScheduleMaxPeriods	
ConnectorSwitch3to1PhaseSupported	<optional>
MaxChargingProfilesInstalled	
SupportedFileTransferProtocols	<optional>

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Statement of Approval

Vendor		Date: 04-09-2023
Name	ROMAIN BOSQ	Signature
Company	Eaton	
Department	ETDS	
Position	VALIDATION ENGINEER	
Location	LAUSANNE, SWITZERLAND	

Test laboratory		Date: 04-09-2023
Name	BABIKER ABDALLA	Signature
Company	DEKRA CERTIFICATION B.V.	
Department	CEEM	
Position	TEST ENGINEER	
Location	ARNHEM, NETHERLANDS	