OCPP 1.6
Subset Certificate

Certificate holder: Eaton Corporation

Certificate number: OCA.0016.0645.CS

Product type: Charging Station

Product designation: Green Motion Building and Fleet AC Level2 Charger Cellular (GMEV40CMC1B-WC)
OCPP Software version: 1.3.7C6
Hardware feature set as stated below

Certification date: February 27, 2024

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	*DNV Energy USA, Inc,* *February 27, 2024*	*Test Report Eaton 4G (10483017-ROC-R-02-C)*

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:	**DNV**
Location:	Rochester, NY, USA
Test execution location:	Rochester, NY, USA
Test Report Reference:	10483017-ROC-R-02-C
Vendor name:	**Eaton Corporation**
Device Under Test:	Charging Station
Communication:	JSON
OCPP Software version:	1.3.7C6
Product designation:	Green Motion Building and Fleet AC Level2 Charger Cellular (GMEV40CMC1B-WC)

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	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	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.

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Performance Measurement Results

Name	PICS value	Measured value	Description
OCPP triggered function timeout:	30 seconds	4 seconds	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:	300 seconds	5 seconds	The response time for when waiting for an OCPP response message.
Response time RemoteStartTransaction:	30 seconds	0 seconds	The response time for the RemoteStartTransaction message.

Test Configuration

Vendor	Eaton Corporation
DUT / SUT	Charge Point
Communication	JSON
Type	Green Motion Building and Fleet AC Level2 Charger Cellular (GMEV40CMC1B-WC)
OCPP Software version	1.3.7C6
OCTT version	OCTT 1.6 v1.4.3

Hardware feature set	
Feature	**Configuration**
Socket(s) / connector(s)	Single
Fixed cable	Yes
Communication technology	Mobile network
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	TRUE
AuthorizationCacheEnabled	FALSE
AuthorizeRemoteTxRequests	TRUE
BlinkRepeat	<optional>
ClockAlignedDataInterval	15
ConnectionTimeOut	30
ConnectorPhaseRotation	NotApplicable
ConnectorPhaseRotationMaxLength	<optional>
GetConfigurationMaxKeys	57
HeartbeatInterval	15
LightIntensity	<optional>
LocalAuthorizeOffline	TRUE
LocalPreAuthorize	FALSE
MaxEnergyOnInvalidId	<optional>
MessageTimeout	<optional>
MeterValuesAlignedData	Energy.Active.Import.Register
MeterValuesAlignedDataMaxLength	<optional>
MeterValuesSampledData	Current.Import,Energy.Active.Import.Register,Power.Active.Import,Voltage
MeterValuesSampledDataMaxLength	<optional>
MeterValueSampleInterval	15
MinimumStatusDuration	<optional>
NumberOfConnectors	1
ResetRetries	0
StopTransactionMaxMeterValues	<optional>
StopTransactionOnEVSideDisconnect	FALSE
StopTransactionOnInvalidId	TRUE
StopTxnAlignedData	Energy.Active.Import.Register
StopTxnAlignedDataMaxLength	<optional>
StopTxnSampledData	Energy.Active.Import.Register
StopTxnSampledDataMaxLength	<optional>
SupportedFeatureProfiles	Core,FirmwareManagement,LocalAuthListManagement,Reservation,SmartCharging,RemoteTrigger
SupportedFeatureProfilesMaxLength	<optional>
TransactionMessageAttempts	3
TransactionMessageRetryInterval	30
UnlockConnectorOnEVSideDisconnect	FALSE
WebSocketPingInterval	<optional>
LocalAuthListEnabled	TRUE
LocalAuthListMaxLength	100
SendLocalListMaxLength	10
ReserveConnectorZeroSupported	<optional>
ChargeProfileMaxStackLevel	1
ChargingScheduleAllowedChargingRateUnit	Current
ChargingScheduleMaxPeriods	10
ConnectorSwitch3to1PhaseSupported	<optional>
MaxChargingProfilesInstalled	3
SupportedFileTransferProtocols	<optional>

Statement of Approval

Vendor		Date: 2024-02-27
Name	Srikanth Shapur	Signature
Company	Eaton Corporation	
Department	Assemblies & Residential Solutions (ARS)	
Position	EVCI System Architect	
Location	Peachtree City, GA, USA	

Test laboratory		Date: 2024-02-27
Name	John Watts	Signature
Company	DNV	
Department	BEST T&CC	
Position	Senior Engineer	
Location	Rochester, NY, USA	