# OCPP 1.6 Subset Certificate



Certificate holder:	Tardis Technology
Certificate number:	OCA.0016.0247.CS
Product type:	Charging Station
Product designation:	evCON-Z2 OCPP Software version: v01.00 Hardware feature set as stated below
Certification date:	December 15, 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
Conformance testing according to the test specification referenced by the test report	<i>Korea Smart Grid</i> <i>Association,</i> December 15, 2022	KSGA_20221215_Test Report TardisTechnology

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 Demont	0.000 1.6 A	Cantification	
Test Report	UCPP 1.6 0	Lertification	
Test laboratory:	Korea Smart Grid Association		
	Seoul , Korea		
Test Report Reference:	KSGA-OCPP1.6	TEST-150-2022	
Vendor name:	Tardis Techno	logy	
Device Under Test:	Charging Stati	on	
Communication:	JSON		
OCPP Software version:	v01.00		
Test Result Summary	for the ce	rtified functionalities	
Functionalities	OCPP 1.6	Description	
	Certification		
	Test Results		
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	
Reservation	NL / A	charging.	
Neservation	N/A	Support for reservation of a connector	
		of a Charging Station.	
Local Authorization List Managemen	N/A	Features to manage a local list in the	
5		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:	10s	00:00:05	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:	5s	00:00:01	The response time for when waiting for an OCPP response message.		
Response time RemoteStartTransaction:	5s	00:00:01	The response time for the RemoteStartTransaction message.		

#### Test Configuration

# **Test Configuration**

Vendor	Tardis Technology
DUT / SUT	Charging Station
Communication	JSON
Туре	evCON-Z2
OCPP Software version	v01.00
OCTT version	OCTT 1.6 v1.4.3

Hardware feature set			
Feature Configuration			
Socket(s) / connector(s)	Single		
Fixed cable	<yes></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	Yes
timestamps.	Tes

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Configuration keyValueAllowOfflineTxForUnknownld-AuthorizationCacheEnabled-AuthorizationCacheEnabled-AuthorizeRemoteTxRequestsTRUEBlinkRepeat-ClockAlignedDataInterval0ConnectorPhaseRotation-ConnectorPhaseRotationMaxLength-GetConfigurationMaxKeys3HeartbeatInterval20LightIntensity-LocalAuthorizeOfflineFALSELocalAuthorizeOfflineFALSELocalAuthorizeOfflineEnergy.Active.Import.RegisterMeterValuesAlignedDataEnergy.Active.Import.RegisterMeterValuesAlignedDataMaxLength200MeterValuesSampledDataMaxLength200MeterValuesSampledDataMaxLength200MeterValuesSampledDataMaxLength200MinimumStatusDuration-NumberOfConnectors1ResetRetries3StopTransactionMaxMeterValues9.393.939StopTransactionMaxLength200StopTransactionOneVSideDisconnectTRUEStopTransactionMaxLength200SupportedFeatureProfilesCorreSupportedFeatureProfilesMaxLength-CoalAuthListEnabled-LocalAuthListMaxLength-LocalAuthListMaxLength-CoreSupportedFeatureProfilesMaxLengthCoreCorreSupportedFeatureProfilesMaxLength-CoreCorreSupportedFeatureProfilesMaxLength-LocalAuthListMaxLength	OCPP Charging Station Configuration		
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TransactionMessageRetryInterval    10      UnlockConnectorOnEVSideDisconnect    TRUE      WebSocketPingInterval    -      LocalAuthListEnabled    -      LocalAuthListEnabled    -      LocalAuthListEnabled    -      SendLocalListMaxLength    -      ReserveConnectorZeroSupported    -      ChargeProfileMaxStackLevel    -      ChargingScheduleAllowedChargingRateUnit    -      ChargingScheduleMaxPeriods    -      ConnectorSwitch3to1PhaseSupported    -      MaxChargingProfileSInstalled    -	SupportedFeatureProfilesMaxLength	-	
TransactionMessageRetryInterval    10      UnlockConnectorOnEVSideDisconnect    TRUE      WebSocketPingInterval    -      LocalAuthListEnabled    -      LocalAuthListEnabled    -      LocalAuthListEnabled    -      SendLocalListMaxLength    -      ReserveConnectorZeroSupported    -      ChargeProfileMaxStackLevel    -      ChargingScheduleAllowedChargingRateUnit    -      ChargingScheduleMaxPeriods    -      ConnectorSwitch3to1PhaseSupported    -      MaxChargingProfileSInstalled    -	TransactionMessageAttempts	3	
WebSocketPingInterval    -      LocalAuthListEnabled    -      LocalAuthListEnabled    -      LocalAuthListMaxLength    -      SendLocalListMaxLength    -      ReserveConnectorZeroSupported    -      ChargeProfileMaxStackLevel    -      ChargingScheduleAllowedChargingRateUnit    -      ChargingScheduleMaxPeriods    -      ConnectorSwitch3to1PhaseSupported    -      MaxChargingProfileSInstalled    -		10	
LocalAuthListEnabled	UnlockConnectorOnEVSideDisconnect	TRUE	
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ConnectorSwitch3to1PhaseSupported	ChargingScheduleAllowedChargingRateUnit	-	
MaxChargingProfilesInstalled -		-	
		-	
SupportedFileTransferProtocols -	MaxChargingProfilesInstalled	-	
	SupportedFileTransferProtocols	-	

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## Statement of Approval

Vendor		Date: 2022.12.15
Name	Yongkwon Lee	Signature
Company	TARDIS Technology	
Department	CEO	HAD
Position	CEO	700
Location	Jeju, Korea	

Test laboratory		Date: 2022.12.15
Name	Philip YANG	Signature
Company	Korea Smart Grid Association	4
Department	Quality Certification Center	
Position	Senior Researcher	A.
Location	Seoul, Korea	/

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