OCPP 1.6 Full Certificate



Certificate holder:	Delta Electronics, Inc.
Certificate number:	OCA.0016.0694.CS
Product type:	Charging Station
Product designation:	EIDS-U200TSUUA01 OCPP Software version: 02.10.00.07 Hardware feature set as stated below
Certification date:	April 9, 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 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
Conformance testing according to the test specification referenced by the test report	DNV Singapore Pte. Ltd., April 9, 2024	DNV_OCPP 1.6 Test Report_CP_EIDS-U200TSUUA01

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 Singapore Pte. Ltd.	
Location:	Singapore	
Test execution location:	Shanghai, China	
Test Report Reference: DNV_OCPP1.6_TEST_CP_EIDS-U200TSUUA01		
Vendor name:	Delta Electronics, Inc.	
Device Under Test:	Charging Station	
Communication:	JSON	
OCPP Software version: 02.10.00.07		
Product designation:	EIDS-U200TSUUA01	

the Company of the state of the

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:	300 seconds	0:00:43	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 seconds	0:00:02	The response time for when waiting for an OCPP response message.
Response time RemoteStartTransaction:	5 seconds	0:00:01	The response time for the RemoteStartTransaction message.

Test Configuration

Vendor	Delta Electronics, Inc.
DUT / SUT	Charge Point
Communication	JSON
Туре	EIDS-U200TSUUA01
OCPP Software version	02.10.00.07
OCTT version	OCTT 1.6 v 1.4.3

Hardware feature set		
Feature	Configuration	
Socket(s) / connector(s)	Multiple	
Fixed cable	Yes	
Communication technology	Wifi / ethernet / 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.	No



OCPP (

MeterValuesAlignedData r,Power.Offered MeterValuesAlignedDataMaxLength 5 Voltage,Current.Import,Power.Active .Import,Energy.Active.Import.Registe MeterValuesSampledData r,Power.Offered,SoC MeterValueSampledDataMaxLength 5 MeterValueSampleInterval 30 MinimumStatusDuration - NumberOfConnectors 2 ResetRetries 1 StopTransactionOnEVSideDisconnect true StopTransactionOnEVSideDisconnect true StopTxnAlignedData "" StopTxnAlignedData "" StopTxnSampledData "" StopTxnSampledData "" StopTxnSampledData "" StopTxnSampledData "" StopTxnSampledData "" StopTxnSampledData "" SupportedFeatureProfiles Charging,RemoteTrigger SupportedFeatureProfiles 1 TransactionMessageAttempts 1 TransactionMessageRetryInterval 60 UnlockConnectorOnEVSideDisconnect false VebSocketPingInterval 5000 SendLocalListMaxLength <	OCPP Charging Statio	Comparation
AuthorizeRemoteTxRequests true AuthorizeRemoteTxRequests true BlinRepeat - ClockAlignedDataInterval 0 ConnectorPhaseRotation 2.NotApplicable,1.NotApplicable, ConnectorPhaseRotationMaxLength 0 GetConfigurationMaxKeys 200 HeartbeatInterval 30 LightIntensity - LocalAuthorizeOffine true LocalAuthorizeOffine true MaxEnergyOninvalidid - MaxEnergyOninvalidid - MeterValuesAlignedData r,Power.Offered MeterValuesAlignedData r,Power.Offered MeterValuesSampledDataMaxLength 5 MeterValueSampledDataMaxLength 5 MeterValueSampledDataMaxLength 2 StopTransactionOnirvalidid true StopTransactionOnirvalidid true StopTransactionOnirvalidid *** StopTransactionOnirvalidid *** StopTransactionOnirvalidid *** StopTransactionOnirvalidid *** SupportedFeatureProfiles Charging,RemoterTigger SupportedFeatureProf	Configuration key	Value
AuthorizeRemoteTxRequests true BlinRepeat - ClockAlignedDataInterval O ConnectionTimeOut 120 ConnectionTimeOut 2.NotApplicable, 1.NotApplicable, ConnectorPhaseRotationMaxLength O GetConfigurationMaxkeys 200 HeartbeatInterval 30 Lipclitentsity - LocalAuthorizeOffline true LocalAuthorizeOffline true MaxEnergyOnivalidId - MessageTimeout - WetrValuesAlignedData r, Power.Offered MeterValuesAmpledData r, Power.Offered MeterValuesSampledData - MeterValuesSampledDataMaxLength 5 StopTransactionOnkaxMeterValues - StopTransactionMaxMeterValues - StopTransactionMaxMeterValues - StopTransactionMaxMeterValues - StopTransactionMaxMeterValues - StopTransactionMaxMeterValues - StopTransactionMaxLength 0 StopTransactionMaxMeterValues - StopTransactionOnInvalidid true StopTransactionOnInvalidid rue StopTransactionMaxLength 0 StopTrasactionMaxLength 0	AllowOfflineTxForUnknownId	false
BlinkRepeat - ClockAlignedDataInterval 0 ConnectionTimeOut 120 ConnectorPhaseRotationMaxLength 0 GetConfigurationMaxKeys 200 HeartbeatInterval 30 LightIntensity - LocalAuthorizeOffline true LocalAuthorizeOffline true LocalPreAuthorize false MaxEnergyOnInvalidid - MessageTimeout - Voltage,Current.Import,Power.Active MeterValuesAlignedData r,Power.Offered MeterValuesAnginedDataMaxLength 5 MeterValueSampledData - MeterValueSampledDataMaxLength 5 MeterValueSampledDataMaxLength 5 StopTransactionAnsWeterValues - StopTransactionAnsWeterValues - StopTransactionOnEVSideDisconnect true StopTransactionOnEVSideDisconnect rue StopTransactionOnInvalidid true StopTransactionOnEvSideDisconnect 1 StopTransactionOnEvSideDisconnect false StopTransactionOnEvSideDisconnect 1	AuthorizationCacheEnabled	true
ClockAlignedDataInterval 0 ConnectionTimeOut 120 ConnectorPhaseRotation 2.NotApplicable, .NotApplicable, ConnectorPhaseRotationMaxLength 0 GetConfigurationMaxKeys 200 HeartbeatInterval 30 LightIntensity - LocalAuthorizeOffline true LocalPreAuthorize false MaxEnergyOnInvalidId - MessageTimeout - WeterValuesAlignedData MeterValuesAlignedDataMaxLength 5 WeterValuesSampledDataMaxLength 5 MeterValuesSampledDataMaxLength 5 MeterValuesSampledDataMaxLength 5 MeterValuesSampledDataMaxLength 5 MeterValuesSampledDataMaxLength 5 MeterValuesSampledDataMaxLength 5 MeterValuesSampledDataMaxLength 5 StopTransactionOnEVSideDisconnect true StopTransactionOnEVSideDisconnect true StopTransactionOnInvalidId true StopTansactionOnInvalidId true StopTansactionOnInvalidI StopTansactionOnInvalidI StopTansactionOnInvalidI StopTansactionOnInvalidI StopTansactionOnInvalidI StopTansactionOnInvalidI	AuthorizeRemoteTxRequests	true
ConnectionTimeOut 120 ConnectorPhaseRotation 2.NotApplicable, 1.NotApplicable, ConnectorPhaseRotationMaxLength 0 GetConfigurationMaxKeys 200 Heartbeatinterval 30 LightIntensity - LocalAuthorizeOffline true LocalAuthorizeOffline true MaxEnergyOnInvalidId - MessageTimeout Voltage,Current.Import,Power.Active Import,Energy.Active.Import.Registe r,Power.Offered MeterValuesAlignedData r,Power.Offered.soC MeterValuesSampledData r,Power.Offered.soC MeterValueSampledData - NumberOfConnectors 2 ResetRetries 1 StopTransactionOnteVSideDisconnect true StopTransactionOnitvalidId true StopTransactionOnitvalidId *** StopTansactionOnitvalidId *** StopTansactionOnitvalidId *** StopTansactionOnitvalidId *** StopTansactionOnitvalidId ** TransactionMaxMeteryal 0 StopTansampledDataMaxLength 0 StopTansactionOnitvalidId *** True Core,FirmwareManagement,LocalAuthListManagement,Reservation,Smart SupportedFeatureProfilesMaxLength	BlinkRepeat	-
0.NotApplicable, 1.NotApplicable, ConnectorPhaseRotationMaxLength 0 GetConfigurationMaxKeys 200 HeartbeatInterval 30 LightIntensity - LocalAuthorizeOffline true LocalPreAuthorize false MaxEnergyOnInvalidId - MeterValuesAlignedData r,Power.Offered MeterValuesAlignedData r,Power.Offered MeterValuesSampledData r,Power.Offered MeterValuesSampledDataMaxLength S MeterValuesSampledDataMaxLength S MeterValuesSampledDataMaxLength S MeterValuesSampledDataMaxLength S StopTransactionOnEvSideDisconnect true StopTransactionOnEvSideDisconnect true StopTransactionOnEvSideDisconnect rue StopTxnSampledData "" StopTxnSampledDataMaxLength O StopTxnSampledDataMaxLength O StopTxnSampledData "" StopTxnSampledData "" StopTxnSampledDataMaxLength O StopTxnSampledDataMaxLength O StopTxnSampledDataMaxLength <td< td=""><td>ClockAlignedDataInterval</td><td>0</td></td<>	ClockAlignedDataInterval	0
ConnectorPhaseRotationMaxLength 0 GetConfigurationMaxKeys 200 HeartbeatInterval 30 LightIntensity - LocalAuthorizeOffline true LocalPreAuthorize false MaxEnergyOnInvalidId - MessageTimeout - Woltage,Current.Import,Power.Active Import,Energy.Active.Import.Registe MeterValuesAlignedData r,Power.Offered MeterValuesSampledData - MeterValueSampledData - MeterValueSampledData - MeterValueSampledData - MeterValueSampledData - MeterValueSampledDataMaxLength 5 StopTransactionMaxMeterValues 1 StopTransactionMaxMeterValues - StopTransactionMaxMeterValues - StopTransactionOnInvalidId true StopTransactionMaxLength 0 StopTransactionMaxLength 0 StopTransactionMaxLength 0 StopTransactionMaxLength 0 StopTransactionMaxLength 0 StopTrunsampledDataMaxLength 0	ConnectionTimeOut	120
ConnectorPhaseRotationMaxLength 0 GetConfigurationMaxKeys 200 Heartbeatinterval 30 LightIntensity - LocalAuthorizeOffline true LocalAuthorizeOffline true MaxEnergyOnInvalidId - MessageTimeout Voltage,Current.Import,Power.Active MeterValuesAlignedData r,Power.Offered MeterValuesAlignedData r,Power.Offered MeterValuesSampledData r,Power.Offered,SoC MeterValuesSampledData r,Power.Offered,SoC MeterValuesSampledData s MinimumStatusDuration - NumberOfConnectors 2 StopTransactionOnEvolution - StopTransactionOnEvolution - StopTransactionOnicVSideDisconnect true StopTxnAlignedData "" StopTxnSampledData Core,FirmwareManagement,LocalAuthistMaagement,Reservation,Smart SupportedFeatureProfiles 1 SupportedFeatureProfilesMaxLength 6 SupportedFeatureProfilesMaxLength 6 Charging.RemoteTrigger 1 SupportedFeatureProfilesMaxLength 6 CucalAuthListEnabled true LocalAuthListEnabled true CucalAuthListEnabled 1 </td <td></td> <td>0.NotApplicable,1.NotApplicable,</td>		0.NotApplicable,1.NotApplicable,
GetConfigurationMaxKeys 200 HeartbeatInterval 30 LightIntensity - LocalAuthorizeOffline true LocalAuthorizeOffline true MaxEnergyOninvalidId - MessageTimeout - Voltage,Current.Import,Power.Active Import,Energy.Active.Import.Registe MeterValuesAlignedData r,Power.Offered MeterValuesSampledData r,Power.Offered,SoC MeterValueSampledDataMaxLength 5 MeterValueSampledDataMaxLength 5 MeterValueSampledDataMaxLength 5 MeterValueSampledDataMaxLength 5 MeterValueSampledDataMaxLength 5 StopTransactionOnEVSideDisconnect 1 StopTransactionOnEvSideDisconnect true StopTransactionOnInvalidId true StopTxnAlignedDataMaxLength 0 StopTxnAlignedData "" StopTxnAlignedData "" StopTxnAlignedData "" StopTxnAlignedData " StopTxnAlignedData " StopTxnSampledData "" StopTxnAlignedData "" StopTxnAlignedData "" StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength 6 <tr< td=""><td>ConnectorPhaseRotation</td><td>2.NotApplicable</td></tr<>	ConnectorPhaseRotation	2.NotApplicable
Heartbeatinterval 30 Lightnensity - LocalAuthorizeOffline true LocalPreAuthorize false MaxEnergyOninvalidid - MessageTimeout - Voltage,Current.Import,Power.Active.Import.Registe MeterValuesAlignedData r,Power.Offered MeterValuesAlignedData r,Power.Offered. MeterValuesSampledData r,Power.Offered,SoC MeterValueSSampledDataMaxLength 5 MeterValueSSampleInterval 30 MinimumStatusDuration - NumberOfConnectors 2 ResetRetries 1 StopTransactionOnEVSideDisconnect true StopTransactionOnInvalidId true StopTxnAlignedDataMaxLength 0 StopTxnAlignedData "" StopTxnAlignedDataMaxLength 0 StopTxnAlignedDataMaxLength 0 StopTxnSampledData "" StopTxnSampledData "" StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength 6 TransactionOneEv	ConnectorPhaseRotationMaxLength	0
LightIntensity - LocalAuthorizeOffline true - LocalAuthorizeOffline false - MaxEnergyOnInvalidid - MessageTimeout - Voltage,Current.Import,Power.Active Import,Energy.Active.Import.Registe r,Power.Offered - MeterValuesAlignedData r,Power.Offered - MeterValuesAlignedDataMaxLength 5 Voltage,Current.Import,Power.Active Import,Energy.Active.Import.Registe r,Power.Offered,SoC - MeterValuesSampledData r,Power.Offered,SoC - MeterValuesSampledData r,Power.Offered,SoC - MeterValuesSampledDataMaxLength 5 MeterValuesSampledData r,Power.Offered,SoC - MeterValuesSampledDataMaxLength 5 MeterValueSampleInterval 30 MinimumStatusDuration - NumberOfConnectors 2 ResetRetries 1 StopTransactionMaxMeterValues - StopTransactionOnEVSideDisconnect true StopTransactionOnInvalidid true StopTxnAignedDataMaxLength 0 StopTxnSampledData "" StopTxnSampledData "" StopTxnSampledData "" StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength 1 StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength 6 TransactionMessageAttempts 1 TransactionMessageRetryInterval 60 UnlockConnectorOnEVSideDisconnect false WebSocketPingInterval 5 LocalAuthListEnabled true LocalAuthListMaxLength 5000 SendLocalListMaxLength 100 ReserveConnectorZenoSupported false ChargingScheduleAllowedChargingRateUnit Power,Current ChargingScheduleMaxPeriods 20 ConnectorSwitch3to1PhaseSupported false MaxChargingProfilesInstalled 5 0 0 0 0 0 0 0 0 0 0 0 0 0	GetConfigurationMaxKeys	200
LocalAuthorizeOffline true LocalPreAuthorize false MaxEnergyOnInvalidId - MessageTimeout - WeterValuesAlignedData r,Power.Offered MeterValuesAlignedData r,Power.Offered MeterValuesSampledData voltage,Current.Import,Power.Active Import,Energy.Active.Import.Registe r,Power.Offered,SoC MeterValuesSampledData r,Power.Offered,SoC MeterValueSampleIDataMaxLength 5 MeterValueSampleIDataMaxLength 5 MeterValueSampleIDataMaxLength 5 MeterValueSampleIDataMaxLength 5 StopTransactionOnectors 2 ResetRetries 1 StopTransactionOnEVSideDisconnect true StopTxnAlignedData "" StopTxnAlignedData "" StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength 0 SupportedFeatureProfiles Charging,RemoteTrigger SupportedFeatureProfiles 1 TransactionMessageAttempts 1	HeartbeatInterval	30
LocalPreAuthorize false MaxEnergyOnInvalidId - MessageTimeout - WeterValuesAlignedData r,Power.Offered MeterValuesAlignedDataMaxLength 5 WeterValuesSampledData r,Power.Offered,SoC MeterValuesSampledDataMaxLength 5 MeterValuesSampledDataMaxLength 5 MeterValuesSampledDataMaxLength 5 MeterValuesSampledDataMaxLength 5 MinimumStatusDuration - NumberOfConnectors 2 ResetRetries 1 StopTransactionOnEVSideDisconnect true StopTransactionOnIvalidId true StopTransactionOnIvalidId "" StopTransactionOnIvalidId true StopTxnAlignedData "" StopTxnSampledData "" StopTxnSampledData 0 StopTxnSampledData Core,FirmwareManagement,LocalAuthListManagement,Reservation,Smart SupportedFeatureProfiles Charging,RemoteTrigger SupportedFeatureProfilesMaxLength 60 UnlockConnectorOnEVSideDisconnect false WebSocketPingInterval 10	LightIntensity	-
MaxEnergyOnInvalidId - MessageTimeout - WetssageTimeout - WeterValuesAlignedData r,Power.Offered - MeterValuesAlignedDataMaxLength 5 WeterValuesSampledDataMaxLength 5 MeterValuesSampledDataMaxLength 5 StopTransactionMaxMeterValues - StopTransactionOnEVSideDisconnect true StopTransactionOnEVSideDisconnect true StopTransactionOnInvalidId true StopTxnAlignedData StopTxnAlignedData StopTxnSampledData StopTxnSampledData StopTxnSampledData StopTxnSampledDataMaxLength 0 StopTxnSampledData StopTxnSampledDataMaxLength 6 TransactionMessageAttempts 1 TransactionMessageRetryInterval 60 UnlockConnectorOnEVSideDisconnect false WebSocketPingInterval 100 ReserveConnectorZeroSuported false ChargingScheduleAliowedChargingRateUnit Power,Current ChargingScheduleAliowedChargingRateUnit Power,Current ChargingScheduleAliowedChargingRateUnit Power,Current ChargingScheduleAliowedChargingRateUnit Power,Current ChargingProfilesInstalled 20 MeserveConnectorSuported false MaxChargingProfilesInstalled Power,Current Power, Current Power, Current Power, Current Palse Palse Palse Power, Current Po	LocalAuthorizeOffline	true
MessageTimeout - Voltage,Current.Import,Power.Active Import,Energy,Active.Import.Registe MeterValuesAlignedData r,Power.Offered MeterValuesSampledData Voltage,Current.Import,Power.Active Import,Energy.Active.Import.Registe r,Power.Offered MeterValuesSampledDataMaxLength 5 MeterValueSampledDataMaxLength 5 MeterValueSampledDataMaxLength 5 MeterValueSampleInterval 30 MinimumStatusDuration - NumberOfConnectors 2 ResetRetries 1 StopTransactionOnInvalidId true StopTxnAlignedDataMaxLength 0 StopTxnAlignedData "" StopTxnAlignedDataMaxLength 0 StopTxnSampledData "" StopTxnSampledData "" StopTxnSampledData "" StopTxnSampledData 1 StopTxnSampledData 1 TransactionOmessageAttempts 1 TransactionMessageAttempts 1 TransactionMessageRetryInterval 60 UnlockConnectorZeroSupported false WebSocketPin	LocalPreAuthorize	false
Voltage,Current.Import,Power.Active Import,Energy.Active.Import.Registe r,Power.Offered MeterValuesAlignedData r,Power.Offered MeterValuesAlignedDataMaxLength 5 Voltage,Current.Import,Power.Active Import,Energy.Active.Import.Registe MeterValuesSampledDataMaxLength 5 MeterValueSampledDataMaxLength 5 MinimumStatusDuration - NumberOfConnectors 2 ResetRetries 1 StopTransactionOnteVSideDisconnect true StopTransactionOnInvalidId true StopTransactionOnInvalidId "" StopTxnAlignedDataMaxLength 0 StopTxnSampleData "" StopTxnSampleData "" StopTxnSampleData " StopTxnSampleData " StopTxnSampleData Core,FirmwareManagement,LocalAuthistManagement,Reservation,Smart SupportedFeatureProfiles Charging,RemoteTrigger SupportedFeatureProfilesMaxLength 60 TransactionMessageAttempts 1 TransactionMessageRetryInterval 15 LocalAuthListEnabled true LocalA	MaxEnergyOnInvalidId	-
Import, Energy, Active. Import, RegisteMeter ValuesAlignedDatar, Power. OfferedMeter ValuesAlignedDataMaxLength5Voltage, Current. Import, Power. Active Import, Energy. Active. Import, Energy. Active. Import. Energy. Import. Energy. Import. Energy. Active. Import. Energy. Active. Import. Energy. Active. Import. Energy. Active. Import. Energy. Import. En	MessageTimeout	-
MeterValuesAlignedData r,Power.Offered MeterValuesAlignedDataMaxLength 5 Voltage,Current.Import,Power.Active .Import,Energy.Active.Import.Registe MeterValuesSampledData r,Power.Offered,SoC MeterValueSampledDataMaxLength 5 MeterValueSampleInterval 30 MinimumStatusDuration - NumberOfConnectors 2 ResetRetries 1 StopTransactionOnEVSideDisconnect true StopTransactionOnEVSideDisconnect true StopTxnAlignedData "" StopTxnAlignedData "" StopTxnSampledData "" StopTxnSampledData "" StopTxnSampledData "" StopTxnSampledData "" StopTxnSampledData "" StopTxnSampledData "" SupportedFeatureProfiles Charging,RemoteTrigger SupportedFeatureProfiles 1 TransactionMessageAttempts 1 TransactionMessageRetryInterval 60 UnlockConnectorOnEVSideDisconnect false VebSocketPingInterval 5000 SendLocalListMaxLength <		
MeterValuesAlignedDataMaxLength 5 Voltage,Current.Import,Power.Active Import,Energy.Active.Import.Registe MeterValuesSampledData r,Power.Offered,SoC MeterValueSampledDataMaxLength 5 MeterValueSampledDataMaxLength 5 MeterValueSampleInterval 30 MinimumStatusDuration - NumberOfConnectors 2 ResetRetries 1 StopTransactionOnEvSideDisconnect true StopTransactionOnInvalidid true StopTxnAlignedData "" StopTxnSampledData "" StopTxnSampledData "" StopTxnSampledData "" StopTxnSampledData "" StopTxnSampledData "" StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength 6 TransactionMessageAttempts 1 TransactionMessageAttempts 1 TransactionMessageAttempts 1 TransactionMessageAttempth 60 UnlockConnectorOnEVSideDisconnect false WebSocketPingInter		.Import,Energy.Active.Import.Registe
Voltage,Current.Import,Power.Active Import,Energy.Active.Import.Registe MeterValuesSampledDataMaxLength 5 MeterValueSampleInterval 30 MinimumStatusDuration - NumberOfConnectors 2 ResetRetries 1 StopTransactionOnEVSideDisconnect true StopTransactionOnneVSideDisconnect true StopTransactionOneVSideDisconnect "" StopTransactionOnneVSideDisconnect "" StopTransactionOnInvalidid true StopTransactionOnInvalidid "" StopTxnAlignedDataMaxLength 0 StopTxnSampledData "" StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength 0 SupportedFeatureProfiles Charging,RemoteTrigger SupportedFeatureProfiles 1 TransactionMessageAttempts 1 TransactionMessageAttempts 1 LocalAuthListEnabled true LocalAuthListEnabled 100 ReserveConnectorZeroSupported false ChargingScheduleAllowedChargingRateUnit Power,Current ChargingScheduleAllowedC		r,Power.Offered
Import,Energy.Active.Import.RegisterMeterValuesSampledDatar,Power.Offered,SoCMeterValueSampledDataMaxLength5MeterValueSampleInterval30MinimumStatusDuration-NumberOfConnectors2ResetRetries1StopTransactionMaxMeterValues-StopTransactionOnEVSideDisconnecttrueStopTransactionOnInvalidIdtrueStopTxnAlignedData""StopTxnAlignedDataMaxLength0StopTxnSampledDataMaxLength0StopTxnSampledDataMaxLength0StopTransactionOnInvalidId""StopTxnSampledDataMaxLength0StopTxnSampledDataMaxLength0SupportedFeatureProfilesCharging,RemoteTriggerSupportedFeatureProfiles1SupportedFeatureProfilesMaxLength60UnlockConnectorOnEVSideDisconnectfalseUnlockConnectorOnEVSideDisconnectfalseLocalAuthListEnabledtrueLocalAuthListMaxLength5000SendLocalListMaxLength100ReserveConnectorZeroSupportedfalseChargingScheduleAllowedChargingRateUnitPower,CurrentChargingScheduleAllowedChargingRateUnitPower,CurrentChargingScheduleAllowedChargingRateUnitfalseMaxChargingProfilesInstalledfalse	MeterValuesAlignedDataMaxLength	-
MeterValuesSampledData r,Power.Offered,SoC MeterValuesSampledDataMaxLength 5 MeterValueSampleInterval 30 MinimumStatusDuration - NumberOfConnectors 2 ResetRetries 1 StopTransactionMaxMeterValues - StopTransactionOnInvalidId true StopTransactionOnInvalidId true StopTxnAlignedData "" StopTxnAlignedDataMaxLength 0 StopTxnSampledData Core,FirmwareManagement,LocalAul hListManagement,Reservation,Smart SupportedFeatureProfiles SupportedFeatureProfiles 1 SupportedFeatureProfilesMaxLength 6 TransactionMessageAttempts 1 TransactionMessageAttempts 1 IncalAuthListEnabled true LocalAuthListMaxLength 5000 SendLocalListMaxLength 5000 SendLocalListMaxLength 100 ReserveConnectorZeroSupported false ChargeProfileMaxStackLevel 3 ChargenpScheduleAllowedChargingRateUnit Power,Current ChargingScheduleAllowedChargingRateUnit Power,Curre		• · · · ·
MeterValueSampledDataMaxLength 5 MeterValueSampleInterval 30 MinimumStatusDuration - NumberOfConnectors 2 ResetRetries 1 StopTransactionMaxMeterValues - StopTransactionOnEVSideDisconnect true StopTransactionOnInvalidId true StopTransactionOnInvalidId true StopTxnAlignedData "" StopTxnAlignedDataMaxLength 0 StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength 6 TransactionMessageAttempts 1 TransactionMessageAttempts 1 TransactionMessageRetryInterval 60 UnlockConnectorOnEVSideDisconnect false WebSocketPingInterval 5 LocalAuthListEnabled true LocalAuthListEnabled true Core,FirmwareManagement, LocalAud false ChargingScheduleAlsength 3 ChargingScheduleAlsength 3 ChargingScheduleAlsength 3 ChargingScheduleAlsength 3 ChargingScheduleMaxLength 3 ChargingScheduleMaxLength 3 ChargingScheduleAlsength 3 MeterValueStackLevel 3 ChargingScheduleAlsength 3 MeterValueStackLevel 3 ConcentorSwitch3to1PhaseSupported false 3 Maximum Status 20 Maximum Status 20 Max		
MeterValueSampleInterval 30 MinimumStatusDuration - NumberOfConnectors 2 ResetRetries 1 StopTransactionMaxMeterValues - StopTransactionOnEVSideDisconnect true StopTransactionOnInvalidId true StopTransactionOnInvalidId true StopTxnAlignedData "" StopTxnAlignedDataMaxLength 0 StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength 0 SupportedFeatureProfiles Core,FirmwareManagement,LocalAuthListManagement,Reservation,Smart SupportedFeatureProfilesMaxLength 6 TransactionMessageAttempts 1 TransactionMessageRetryInterval 60 UnlockConnectorOnEVSideDisconnect false LocalAuthListEnabled true LocalAuthListMaxLength 5000 SendLocalListMaxLength 100 ReserveConnectorZeroSupported false ChargingScheduleAllowedChargingRateUnit Power,Current ChargingScheduleAllowedChargingRateUnit 20 ConnectorSwitch3to1PhaseSuppo		7
MinimumStatusDuration-NumberOfConnectors2ResetRetries1StopTransactionMaxMeterValues-StopTransactionOnEVSideDisconnecttrueStopTransactionOnInvalidIdtrueStopTxnAlignedData""StopTxnAlignedDataMaxLength0StopTxnSampledData""StopTxnSampledDataMaxLength0StopTxnSampledDataMaxLength0StopTxnSampledDataMaxLength0StopTxnSampledDataMaxLength0SupportedFeatureProfilesCore,FirmwareManagement,LocalAut hListManagement,Reservation,Smart Charging,RemoteTriggerSupportedFeatureProfilesMaxLength6TransactionMessageAttempts1TransactionMessageRetryInterval60UnlockConnectorOnEVSideDisconnectfalseVebSocketPingInterval5000SendLocalListMaxLength5000SendLocalListMaxLength100ReserveConnectorZeroSupportedfalseChargingScheduleAllowedChargingRateUnitPower,CurrentChargingScheduleAllowedChargingRateUnitFalseConnectorSwitch3to1PhaseSupportedfalseMaxChargingProfilesInstalled20ConnectorSwitch3to1PhaseSupportedfalseSupportedFeatureProfilesInstalled20SupportedFeatureProfilesInstalled20SupportedFeatureProfilesInstalledSupporterSupportedFeatureProfilesInstalledSupporterSupportedFeatureProfilesInstalledSupporterSupportedFeatureProfilesInstalledSupporterSuppo		*
NumberOfConnectors 2 ResetRetries 1 StopTransactionMaxMeterValues - StopTransactionOnEVSideDisconnect true StopTransactionOnInvalidId true StopTxnAlignedData "" StopTxnAlignedDataMaxLength 0 StopTxnSampledData "" StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength 0 SupportedFeatureProfiles Core,FirmwareManagement,LocalAuthListManagement,Reservation,Smart SupportedFeatureProfilesMaxLength 6 TransactionMessageAttempts 1 TransactionMessageRetryInterval 60 UnlockConnectorOnEVSideDisconnect false WebSocketPingInterval 5000 LocalAuthListEnabled true LocalAuthListMaxLength 5000 SendLocalListMaxLength 100 ReserveConnectorZeroSupported false ChargingScheduleAllowedChargingRateUnit Power,Current ChargingScheduleAllowedChargingRateUnit Power,Current ChargingScheduleAllowedChargingRateUnit false Connect		
ResetRetries 1 StopTransactionMaxMeterValues - StopTransactionOnEVSideDisconnect true StopTransactionOnInvalidId true StopTxnAlignedData "" StopTxnAlignedDataMaxLength 0 StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength 0 Core,FirmwareManagement,LocalAul hListManagement,Reservation,Smart Charging,RemoteTrigger SupportedFeatureProfilesMaxLength 6 TransactionMessageAttempts 1 TransactionMessageRetryInterval 60 UnlockConnectorOnEVSideDisconnect false WebSocketPingInterval 15 LocalAuthListEnabled true LocalAuthListMaxLength 5000 SendLocalListMaxLength 100 ReserveConnectorZeroSupported false ChargingScheduleAllowedChargingRateUnit Power,Current ChargingScheduleAllowedChargingRateUnit False MaxChargingProfileSInstalled 500		
StopTransactionMaxMeterValues - StopTransactionOnEVSideDisconnect true StopTransactionOnInvalidId true StopTxnAlignedData "" StopTxnAlignedDataMaxLength 0 StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength 0 SupportedFeatureProfiles Core,FirmwareManagement,LocalAuthListManagement,Reservation,Smart SupportedFeatureProfilesMaxLength 6 TransactionMessageAttempts 1 TransactionMessageRetryInterval 60 UnlockConnectorOnEVSideDisconnect false VebSocketPingInterval 5000 LocalAuthListEnabled true LocalAuthListMaxLength 5000 SendLocalListMaxLength 100 ReserveConnectorZeroSupported false ChargingScheduleAllowedChargingRateUnit Power,Current ChargingScheduleAllowedChargingRateUnit Power,Current ChargingScheduleMaxPeriods 20 ConnectorSwitch3to1PhaseSupported false		-
StopTransactionOnEVSideDisconnecttrueStopTransactionOnInvalididtrueStopTxnAlignedData""StopTxnAlignedDataMaxLength0StopTxnSampledData""StopTxnSampledDataMaxLength0StopTxnSampledDataMaxLength0StopTxnSampledDataMaxLength0StopTxnSampledDataMaxLength0SupportedFeatureProfilesCore,FirmwareManagement,LocalAuthListManagement,Reservation,SmartSupportedFeatureProfilesMaxLength6TransactionMessageAttempts1TransactionMessageRetryInterval60UnlockConnectorOnEVSideDisconnectfalseWebSocketPingInterval5000LocalAuthListEnabledtrueLocalAuthListMaxLength5000SendLocalListMaxLength100ReserveConnectorZeroSupportedfalseChargeProfileMaxStackLevel3ChargingScheduleAllowedChargingRateUnitPower,CurrentChargingScheduleMaxPeriods20ConnectorSwitch3to1PhaseSupportedfalse		-
StopTransactionOnInvalidId true StopTxnAlignedData "" StopTxnAlignedDataMaxLength 0 StopTxnSampledData "" StopTxnSampledData "" StopTxnSampledData "" StopTxnSampledData 0 StopTxnSampledDataMaxLength 0 SupportedFeatureProfiles Core,FirmwareManagement,LocalAuthListManagement,Reservation,Smart SupportedFeatureProfilesMaxLength 6 TransactionMessageAttempts 1 TransactionMessageRetryInterval 60 UnlockConnectorOnEVSideDisconnect false WebSocketPingInterval 15 LocalAuthListEnabled true LocalAuthListMaxLength 5000 SendLocalListMaxLength 100 ReserveConnectorZeroSupported false ChargingScheduleAllowedChargingRateUnit Power,Current ChargingScheduleAllowedChargingRateUnit Power,Current ChargingProfilesInstalled 20		
StopTxnAlignedData "" StopTxnAlignedDataMaxLength 0 StopTxnSampledData "" StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength 0 SupportedFeatureProfiles Core,FirmwareManagement,LocalAuthListManagement,Reservation,Smart SupportedFeatureProfiles Charging,RemoteTrigger SupportedFeatureProfilesMaxLength 6 TransactionMessageAttempts 1 TransactionMessageRetryInterval 60 UnlockConnectorOnEVSideDisconnect false WebSocketPingInterval 15 LocalAuthListEnabled true LocalAuthListMaxLength 5000 SendLocalListMaxLength 100 ReserveConnectorZeroSupported false ChargingScheduleAllowedChargingRateUnit Power,Current ChargingScheduleAllowedChargingRateUnit Power,Current ChargingProfilesInstalled 20		
StopTxnAlignedDataMaxLength 0 StopTxnSampledData "" StopTxnSampledDataMaxLength 0 Core,FirmwareManagement,LocalAuthListManagement,Reservation,Smart hListManagement,Reservation,Smart SupportedFeatureProfiles Charging,RemoteTrigger SupportedFeatureProfilesMaxLength 6 TransactionMessageAttempts 1 TransactionMessageRetryInterval 60 UnlockConnectorOnEVSideDisconnect false WebSocketPingInterval 15 LocalAuthListEnabled true LocalAuthListMaxLength 5000 SendLocalListMaxLength 100 ReserveConnectorZeroSupported false ChargingScheduleAllowedChargingRateUnit Power,Current ChargingScheduleMaxPeriods 20 ConnectorSwitch3to1PhaseSupported false		
StopTxnSampledData "" StopTxnSampledDataMaxLength 0 StopTxnSampledDataMaxLength Core,FirmwareManagement,LocalAuthListManagement,Reservation,SmarthSupportedFeatureProfiles SupportedFeatureProfiles Charging,RemoteTrigger SupportedFeatureProfilesMaxLength 6 TransactionMessageAttempts 1 TransactionMessageRetryInterval 600 UnlockConnectorOnEVSideDisconnect false WebSocketPingInterval 15 LocalAuthListEnabled true LocalAuthListMaxLength 5000 SendLocalListMaxLength 100 ReserveConnectorZeroSupported false ChargeProfileMaxStackLevel 3 ChargingScheduleAllowedChargingRateUnit Power,Current ChargingScheduleMaxPeriods 20 ConnectorSwitch3to1PhaseSupported false		
StopTxnSampledData 0 StopTxnSampledDataMaxLength 0 Core,FirmwareManagement,LocalAuthListManagement,Reservation,Smartt SupportedFeatureProfiles Charging,RemoteTrigger SupportedFeatureProfilesMaxLength 6 TransactionMessageAttempts 1 TransactionMessageRetryInterval 60 UnlockConnectorOnEVSideDisconnect false WebSocketPingInterval 15 LocalAuthListEnabled true LocalAuthListMaxLength 5000 SendLocalListMaxLength 100 ReserveConnectorZeroSupported false ChargingScheduleAllowedChargingRateUnit Power,Current ChargingScheduleAllowedChargingRateUnit 20 MaxChargingProfilesInstalled 20		-
Core,FirmwareManagement,LocalAui hListManagement,Reservation,SmartSupportedFeatureProfilesCharging,RemoteTriggerSupportedFeatureProfilesMaxLength6TransactionMessageAttempts1TransactionMessageRetryInterval60UnlockConnectorOnEVSideDisconnectfalseWebSocketPingInterval15LocalAuthListEnabledtrueLocalAuthListMaxLength5000SendLocalListMaxLength100ReserveConnectorZeroSupportedfalseChargingScheduleAllowedChargingRateUnitPower,CurrentChargingScheduleMaxPeriods20ConnectorSwitch3to1PhaseSupportedfalse		
hListManagement,Reservation,Smart SupportedFeatureProfiles SupportedFeatureProfilesMaxLength 6 TransactionMessageAttempts 1 TransactionMessageRetryInterval 60 UnlockConnectorOnEVSideDisconnect false WebSocketPingInterval 15 LocalAuthListEnabled LocalAuthListMaxLength 5000 SendLocalListMaxLength 100 ReserveConnectorZeroSupported false ChargingScheduleAllowedChargingRateUnit Power,Current ChargingScheduleMaxPeriods 20 ConnectorSwitch3to1PhaseSupported false	StopTxnSampledDataMaxLength	+
SupportedFeatureProfilesCharging,RemoteTriggerSupportedFeatureProfilesMaxLength6TransactionMessageAttempts1TransactionMessageRetryInterval60UnlockConnectorOnEVSideDisconnectfalseWebSocketPingInterval15LocalAuthListEnabledtrueLocalAuthListMaxLength5000SendLocalListMaxLength100ReserveConnectorZeroSupportedfalseChargingScheduleAllowedChargingRateUnitPower,CurrentChargingScheduleMaxPeriods20ConnectorSwitch3to1PhaseSupportedfalse		
SupportedFeatureProfilesMaxLength6TransactionMessageAttempts1TransactionMessageRetryInterval60UnlockConnectorOnEVSideDisconnectfalseWebSocketPingInterval15LocalAuthListEnabledtrueLocalAuthListEnabled100ReserveConnectorZeroSupportedfalseChargingScheduleAllowedChargingRateUnitPower,CurrentChargingScheduleMaxPeriods20ConnectorSwitch3to1PhaseSupportedfalse		
TransactionMessageAttempts1TransactionMessageRetryInterval60UnlockConnectorOnEVSideDisconnectfalseWebSocketPingInterval15LocalAuthListEnabledtrueLocalAuthListEnabled5000SendLocalListMaxLength100ReserveConnectorZeroSupportedfalseChargeProfileMaxStackLevel3ChargingScheduleAllowedChargingRateUnitPower,CurrentChargingScheduleMaxPeriods20ConnectorSwitch3to1PhaseSupportedfalse		0.0.
TransactionMessageRetryInterval60UnlockConnectorOnEVSideDisconnectfalseWebSocketPingInterval15LocalAuthListEnabledtrueLocalAuthListMaxLength5000SendLocalListMaxLength100ReserveConnectorZeroSupportedfalseChargeProfileMaxStackLevel3ChargingScheduleAllowedChargingRateUnitPower,CurrentChargingScheduleMaxPeriods20ConnectorSwitch3to1PhaseSupportedfalse		
UnlockConnectorOnEVSideDisconnect false WebSocketPingInterval 15 LocalAuthListEnabled true LocalAuthListMaxLength 5000 SendLocalListMaxLength 100 ReserveConnectorZeroSupported false ChargeProfileMaxStackLevel 3 ChargingScheduleAllowedChargingRateUnit Power,Current ChargingScheduleMaxPeriods 20 ConnectorSwitch3to1PhaseSupported false	· · · · · · · · · · · · · · · · · · ·	-
WebSocketPingInterval 15 LocalAuthListEnabled true LocalAuthListMaxLength 5000 SendLocalListMaxLength 100 ReserveConnectorZeroSupported false ChargeProfileMaxStackLevel 3 ChargingScheduleAllowedChargingRateUnit Power,Current ChargingScheduleMaxPeriods 20 ConnectorSwitch3to1PhaseSupported false		
LocalAuthListEnabled true LocalAuthListMaxLength 5000 SendLocalListMaxLength 100 ReserveConnectorZeroSupported false ChargeProfileMaxStackLevel 3 ChargingScheduleAllowedChargingRateUnit Power,Current ChargingScheduleMaxPeriods 20 ConnectorSwitch3to1PhaseSupported false		
LocalAuthListMaxLength 5000 SendLocalListMaxLength 100 ReserveConnectorZeroSupported false ChargeProfileMaxStackLevel 3 ChargingScheduleAllowedChargingRateUnit Power,Current ChargingScheduleMaxPeriods 20 ConnectorSwitch3to1PhaseSupported false MaxChargingProfileSInstalled 20	WebSocketPingInterval	15
LocalAuthListMaxLength5000SendLocalListMaxLength100ReserveConnectorZeroSupportedfalseChargeProfileMaxStackLevel3ChargingScheduleAllowedChargingRateUnitPower,CurrentChargingScheduleMaxPeriods20ConnectorSwitch3to1PhaseSupportedfalseMaxChargingProfilesInstalled20	LocalAuthListEnabled	true
SendLocalListMaxLength 100 ReserveConnectorZeroSupported false ChargeProfileMaxStackLevel 3 ChargingScheduleAllowedChargingRateUnit Power,Current ChargingScheduleMaxPeriods 20 ConnectorSwitch3to1PhaseSupported false MaxChargingProfilesInstalled 20	LocalAuthListMaxLength	
ReserveConnectorZeroSupported false ChargeProfileMaxStackLevel 3 ChargingScheduleAllowedChargingRateUnit Power,Current ChargingScheduleMaxPeriods 20 ConnectorSwitch3to1PhaseSupported false MaxChargingProfilesInstalled 20		100
ChargingScheduleAllowedChargingRateUnit Power,Current ChargingScheduleMaxPeriods 20 ConnectorSwitch3to1PhaseSupported false MaxChargingProfilesInstalled 20		false
ChargingScheduleAllowedChargingRateUnit Power,Current ChargingScheduleMaxPeriods 20 ConnectorSwitch3to1PhaseSupported false MaxChargingProfilesInstalled 20		2
ChargingScheduleMaxPeriods 20 ConnectorSwitch3to1PhaseSupported false MaxChargingProfilesInstalled 20		-
ConnectorSwitch3to1PhaseSupported false MaxChargingProfilesInstalled 20		
MaxChargingProfilesInstalled 20		
SupportedFileTransferProtocols	MaxunargingProfilesInstalled	20
	SupportedFileTransferProtocols	

Page **3** from **4**



Statement of Approval

Vendor		Date: 2024.04.09	
Name Ahui Wang		Signature	
Company	Delta Electronics, Inc.		
Department	Safety & Regulation Engineering	ahrin. Wang	
Position	Associate Manager	a and a many	
Location	Taiwan		

Test laboratory			Date: 2024.04.09
Name	Sukoco		Signature
Company	DNV Singapore Pte. Ltd.		
Department	Energy Systems		
Position	Senior Consultant		
Location	Singapore		

Page **4** from **4**