

TEST RESULT

Charger detail : Serial no :

Brand :

Model :

Rated :

Firmware version :

Chargepoint ID :

Connector ID : of

Connector type : CCS 2

NO.	Message	MEA OCPP Sever Required	Result - Remark	Verdict
1	Normal operating Condition			
1.1	BootNotification	Include : chargePointModel, chargePointVendor, firmwareVersion		
1.2	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...]), errorCode, status, timestamp, vendorId		
1.3	StatusNotification (Plug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
1.4	Authorize (Valid Card)	Include : IdTag (Accepted)		
1.5	StartTransaction	Include : connectorId, idTag, meterStart, timestamp		
1.6	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
1.7	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
1.8	StopTransaction (Valid Card)	Include : idTag, meterStop, timestamp, transactionId		
1.9	StatusNotification (Plug) (If any)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
1.10	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
1.11	StatusNotification (Plug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		



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1.12	RemoteStartTransaction	Include : status (Accepted)		
1.13	StartTransaction	Include : connectorId, idTag, meterStart, timestamp		
1.14	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
1.15	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
1.16	RemoteStopTransaction	Include : status		
1.17	StopTransaction	Include : idTag, meterStop, timestamp, transactionId		
1.18	StatusNotification (Plug) (If any)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
1.19	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
2	Reset Function			
2.1	Reset (Hard)	Include : status		
2.2	BootNotification	Include : chargePointModel, chargePointVendor, firmwareVersion		
2.3	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...]), errorCode, status, timestamp, vendorId		
2.4	StatusNotification (Plug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
2.5	RemoteStartTransaction	Include : status (Accepted)		
2.6	StartTransaction	Include : connectorId, idTag, meterStart, timestamp		
2.7	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		



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2.8	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
2.9	Reset (Soft)	Include : status		
2.10	StopTransaction	Include : idTag, meterStop, timestamp, transactionId		
2.11	StatusNotification (Plug) (If any)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
2.12	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
2.13	StatusNotification (Plug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
2.14	RemoteStartTransaction	Include : status (Accepted)		
2.15	StartTransaction	Include : connectorId, idTag, meterStart, timestamp		
2.16	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
2.17	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
2.18	Reset (Hard)	Include : status		
2.19	StopTransaction	Include : idTag, meterStop, timestamp, transactionId		
2.20	StatusNotification (Plug) (If any)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		

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2.21	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
3	Reserve Function			
3.1	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
3.2	ReserveNow	Include : status		
3.3	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
3.4	CancelReservation	Include : status		
3.5	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
3.6	ReserveNow (1 min)	Include : status		
3.7	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
3.8	StatusNotification (Unplug) (Timeout)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
3.9	ReserveNow	Include : status		
3.10	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
3.11	StatusNotification (plug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
3.12	RemoteStartTransaction	Include : status (Accepted)		
3.13	StartTransaction	Include : connectorId, idTag, meterStart, timestamp, reservId		
3.14	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		



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3.15	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
3.16	RemoteStopTransaction	Include : status		
3.17	StopTransaction	Include : idTag, meterStop, timestamp, transactionId		
3.18	StatusNotification (Plug) (If any)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
3.19	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
4	Set Charging Profile Function			
4.1	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
4.2	StatusNotification (plug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
4.3	Authorize (Valid Card)	Include : IdTag (Accepted)		
4.4	StartTransaction	Include : connectorId, idTag, meterStart, timestamp		
4.5	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
4.6	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
4.7	SetChargingProfile	Include : status		

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4.8	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
4.9	SetChargingProfile	Include : status		
4.10	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
4.11	StopTransaction (Valid Card)	Include : idTag, meterStop, timestamp, transactionId		
4.12	StatusNotification (Plug) (If any)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
4.13	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
4.14	StatusNotification (plug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
4.15	RemoteStartTransaction	Include : status (Accepted)		
4.16	StartTransaction	Include : connectorId, idTag, meterStart, timestamp		
4.17	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
4.18	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
4.19	SetChargingProfile	Include : status		

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4.20	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
4.21	SetChargingProfile	Include : status		
4.22	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
4.23	RemoteStopTransaction	Include : status		
4.24	StopTransaction	Include : idTag, meterStop, timestamp, transactionId		
4.25	StatusNotification (Plug) (If any)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
4.26	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
5	Auto Charging Function			
5.1	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
5.2	StatusNotification (plug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
5.3	Authorize (Auto Charge)	Include : IdTag (Accepted)		
5.4	StartTransaction	Include : connectorId, idTag, meterStart, timestamp		
5.5	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		



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5.6	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
5.7	RemoteStopTransaction	Include : status		
5.8	StopTransaction	Include : idTag, meterStop, timestamp, transactionId		
5.9	StatusNotification (Plug) (If any)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
5.10	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6	Abnormal operating Condition			
6.1	Remote Start (Unplug)			
6.1.1	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.1.2	RemoteStartTransaction	Include : status (Rejected)		
6.2	Invalid Card			
6.2.1	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.2.2	StatusNotification (plug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.2.3	Authorize (invalid Card)	Include : IdTag		
6.2.4	Authorize (Valid Card)	Include : IdTag		
6.2.5	StartTransaction	Include : connectorId, idTag, meterStart, timestamp		
6.2.6	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		

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NO.	Message	MEA OCPP Sever Required	Result - Remark	Verdict
6.2.7	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
6.2.8	Authorize (invalid Card)			
6.2.9	StopTransaction (Valid Card)	Include : idTag, meterStop, timestamp, transactionId		
6.2.10	StatusNotification (Plug) (If any)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.2.11	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.3	Power outage condition			
6.3.1	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.3.2	StatusNotification (plug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.3.3	RemoteStartTransaction	Include : status (Accepted)		
6.3.4	StartTransaction	Include : connectorId, idTag, meterStart, timestamp		
6.3.5	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.3.6	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
6.3.7	StopTransaction (Power off)	Include : idTag, meterStop, timestamp, transactionId		
6.3.8	BootNotification	Include : chargePointModel, chargePointVendor, firmwareVersion		

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NO.	Message	MEA OCPP Sever Required	Result - Remark	Verdict
6.3.9	StatusNotification (plug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.3.10	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.4	Reservation for unavailable unit			
6.4.1	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.4.2	StatusNotification (plug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.4.3	ReserveNow	Include : status (Reject)		
6.4.4	RemoteStartTransaction	Include : status (Accepted)		
6.4.5	StartTransaction	Include : connectorId, idTag, meterStart, timestamp, reservId		
6.4.6	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.4.7	MeterValues (1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
6.4.8	ReserveNow	Include : status (Reject)		
6.4.9	RemoteStopTransaction	Include : status		
6.4.10	StopTransaction	Include : idTag, meterStop, timestamp, transactionId		
6.4.11	StatusNotification (plug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.4.12	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		



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NO.	Message	MEA OCPP Sever Required	Result - Remark	Verdict
6.5	Fault condition			
6.5.1	StatusNotification (Unplug)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
6.5.2	StatusNotification (Open the door)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status (Faulted), timestamp, vendorId		
6.5.3	StatusNotification (Close the door)	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		

Checked By :

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Tested by :

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Approved By :

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Approved By :

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Approved By :

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TEST RESULT

NO.	Message	MEA OCPP Sever Required	Result - Remark	Verdict
7.	Summary			
7.1	Authorize	Include : IdTag (Accepted)		
7.2	BootNotification	Include : chargePointModel, chargePointVendor, firmwareVersion		
7.3	DataTransfer			
7.4	Heartbeat (Interval 60 min)	Include :		
7.5	MeterValues (Interval 1 min)	Include : connectorId, transactionId, meterValue {timestamp, sampledValue {measurand (Voltage, Current.Import, Energy.Active.Import.Register, Power.Active.Import, SoC, Current.Offered or Power.Offered), value, unit, context, location}}		
7.6	RemoteStartTransaction	Include : status (Accepted or Rejected (if Unplug))		
7.7	RemoteStopTransaction	Include : status		
7.8	Reset	Include : status		
7.9	StartTransaction	Include : connectorId, idTag, meterStart, timestamp		
7.10	StatusNotification	Include : connectorId (All Connector ID [0,1,2,3,...] if status change), errorCode, status, timestamp, vendorId		
7.11	StopTransaction	Include : idTag, meterStop, timestamp, transactionId		
7.12	CancelReservation	Include : status		
7.13	ReserveNow	Include : status		
7.14	SetChargingProfile	Include : status		
7.15	Auto Charge	Include : IdTag (Accepted)		
8.	Other condition			
8.1	LAN Disconnected	Handshaking in min (< 1 min)		
8.2	Server Disconnected	Time / Hour, Handshaking in min (< 1 min)		

****End of test report****

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