

WEMOB Station

Relatório de Testes

OCPP 1.6J



WEMOB Station - Relatório de testes

OCPP 1.6J

Idioma: Português

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A informação abaixo descreve as revisões ocorridas neste documento.

Revisão	Descrição	Capítulo	Data
00	Emissão inicial.	-	16 / 02 / 2026

1. INTRODUÇÃO

Este documento apresenta a declaração pública de conformidade da linha de carregadores elétricos WEMOB Station com o protocolo Open Charge Point Protocol (OCPP) versão 1.6J.

A validação técnica foi realizada com base na especificação oficial publicada pela Open Charge Alliance (OCA), utilizando a ferramenta OCTT - Open Charge Test Tool, destinada à verificação da aderência das implementações ao padrão OCPP.

Os testes foram conduzidos considerando os perfis funcionais aplicáveis descritos na Seção 2 deste documento.

A WEG reserva-se o direito de evoluir continuamente a implementação do protocolo conforme atualizações normativas ou melhorias de produto.





2. PERFIS DE CERTIFICAÇÃO













Os resultados apresentados neste documento são válidos para:

- Linha de produto: WEMOB Station;
- Versão de firmware: v2.6.0 ou superior;
- Protocolo implementado: OCPP 1.6J.



2.1 Core







2.1.1 Authorization

Código	Título	Status
TC_023_4_CS	Start Charging Session - Authorize invalid	Aprovado 
TC_023_5_CS	Start remote Charging Session – Authorize invalid	Aprovado 
TC_061_1_CS	Clear Authorization Data in Authorization Cache - local	Aprovado 
TC_061_2_CS	Clear Authorization Data in Authorization Cache - remote	Aprovado 

TC_061_2_CS	Clear Authorization Data in Authorization Cache - Remote	Core	January 30, 2026, 6:29:04 PM	167,047 ms	PASS	  
TC_061_1_CS	Clear Authorization Data in Authorization Cache - Local	Core	January 30, 2026, 6:26:04 PM	129,995 ms	PASS	  
TC_023_5_CS	Start remote Charging Session - Authorize invalid	Core	January 30, 2026, 6:21:16 PM	117,912 ms	PASS	  
TC_023_4_CS	Start local Charging Session - Authorize invalid	Core	January 30, 2026, 6:17:33 PM	142,536 ms	PASS	  




























2.1.2 MeterValues

Código	Título	Status
TC_070_CS	Sampled Meter Values	Aprovado 
TC_071_CS	Clock-aligned Meter Values	Aprovado 

TC_071_CS	Clock-aligned Meter Values	Core	January 30, 2026, 6:47:25 PM	133,485 ms	PASS	  
TC_070_CS	Sampled Meter Values	Core	January 30, 2026, 6:45:05 PM	122,806 ms	PASS	  































2.1.3 RemoteControl

Código	Título	Status
TC_010_CS	Remote Start Charging Session - Cable Plugged in First	Aprovado ●
TC_011_1_CS	Remote Start Charging Session - Remote Start First	Aprovado ●
TC_011_2_CS	Remote Start Charging Session - Time Out	Aprovado ●
TC_012_CS	Remote Stop Charging Session	Aprovado ●
TC_017_2_CS	Unlock connector – no charging session running (Fixed cable)	Aprovado ●
TC_018_2_CS	Unlock Connector – With Charging Session (Fixed cable)	Aprovado ●
TC_026_CS	Remote Start Charging Session – Rejected	Aprovado ●
TC_028_CS	Remote Stop Transaction – Rejected	Aprovado ●
TC_031_CS	Unlock Connector – Unknown Connector	Aprovado ●

TC_017_2_CS	Unlock connector - no charging session running (Fixed cable)	Core	January 30, 2026, 8:01:17 PM	43,200 ms	PASS	  
TC_012_CS	Remote Stop Charging Session	Core	January 30, 2026, 7:57:59 PM	108,531 ms	PASS	  
TC_011_2_CS	Remote Start Charging Session - Time Out	Core	January 30, 2026, 7:48:22 PM	69,783 ms	PASS	  
TC_011_1_CS	Remote Start Charging Session - Remote Start First	Core	January 30, 2026, 7:47:45 PM	13,604 ms	PASS	  
TC_010_CS	Remote Start Charging Session - Cable Plugged in First	Core	January 30, 2026, 7:45:59 PM	62,947 ms	PASS	  
TC_031_CS	Unlock Connector - Unknown Connector	Core	January 30, 2026, 8:13:05 PM	43,903 ms	PASS	  
TC_028_CS	Remote Stop Transaction - Rejected	Core	January 30, 2026, 8:11:11 PM	70,715 ms	PASS	  
TC_026_CS	Remote Start Charging Session - Rejected	Core	January 30, 2026, 8:08:07 PM	64,727 ms	PASS	  
TC_018_2_CS	Unlock Connector - With Charging Session (Fixed cable)	Core	January 30, 2026, 8:02:30 PM	57,948 ms	PASS	  














































2.1.4 Provisioning

Código	Título	Status
TC_001_CS	Cold Boot Charge Point	Aprovado ●
TC_002_CS	Cold Boot Charge Point - Pending	Aprovado ●
TC_013_CS	Hard Reset Without transaction	Aprovado ●
TC_014_CS	Soft Reset Without Transaction	Aprovado ●
TC_015_CS	Hard Reset With Transaction	Aprovado ●
TC_016_CS	Soft Reset With Transaction	Aprovado ●
TC_019_CS	Retrieve configuration	Aprovado ●
TC_021_CS	Change/set Configuration	Aprovado ●
TC_032_2_CS	Power failure boot charging point - configured to stop transaction(s)	Aprovado ●
TC_034_CS	Power Failure with Unavailable Status	Aprovado ●

TC_034_CS	Power Failure with Unavailable Status	Core	January 30, 2026, 7:38:38 PM	255,851 ms	PASS	  
TC_032_2_CS	Power failure boot charging point-configured to stop transaction(s)	Core	January 30, 2026, 7:33:05 PM	193,958 ms	PASS	  
TC_021_CS	Change/set Configuration	Core	January 30, 2026, 7:31:53 PM	57,976 ms	PASS	  
TC_019_CS	Retrieve configuration	Core	January 30, 2026, 7:29:24 PM	88,699 ms	PASS	  
TC_016_CS	Soft Reset With Transaction	Core	January 30, 2026, 7:22:08 PM	184,781 ms	PASS	  
TC_015_CS	Hard Reset With Transaction	Core	January 30, 2026, 7:11:25 PM	173,091 ms	PASS	  
TC_014_CS	Soft Reset Without Transaction	Core	January 30, 2026, 7:08:35 PM	161,656 ms	PASS	  
TC_013_CS	Hard Reset Without transaction	Core	January 30, 2026, 7:05:34 PM	130,007 ms	PASS	  
TC_002_CS	Cold Boot Charge Point - Pending	Core	January 30, 2026, 7:02:31 PM	157,104 ms	PASS	  
TC_001_CS	Cold Boot Charge Point	Core	January 30, 2026, 6:56:25 PM	183,816 ms	PASS	  







2.1.5 Transactions

Código	Título	Status
TC_003_CS	Regular Charging Session - Plugin First	Aprovado ●
TC_004_1_CS	Regular Charging Session - Identification First	Aprovado ●
TC_004_2_CS	Regular Charging Session - Identification First - ConnectionTimeOut	Aprovado ●
TC_005_2_CS	EV Side Disconnected - stop/true - unlock/false	Aprovado ●
TC_005_3_CS	EV Side Disconnected - stop/false - unlock/false	Aprovado ●
TC_007_1_CS	Regular Start Charging Session - Cached Id	Aprovado ●
TC_007_2_CS	Regular Start Charging Session - Cached Id	Aprovado ●
TC_036_CS	Connection Loss During Transaction	Aprovado ●
TC_037_1_CS	Offline Start Transaction - Valid IdTag	Aprovado ●
TC_037_2_CS	Offline Start Transaction - Invalid IdTag - stop=false	Aprovado ●
TC_037_3_CS	Offline Start Transaction - Invalid IdTag - stop=true	Aprovado ●
TC_038_CS	Offline Stop Transaction	Aprovado ●
TC_039_CS	Offline Transaction	Aprovado ●
TC_068_CS	Stop transaction - IdTag matches	Aprovado ●
TC_069_CS	Stop transaction - ParentIdTag matches	Aprovado ●






















TC_069_CS	Stop transaction - ParentIdTag in StopTransaction matches ParentIdTag in StartTransaction	Core	February 2, 2026, 3:19:45 PM	111,107 ms	PASS	  
TC_068_CS	Stop transaction - IdTag in StopTransaction matches IdTag in StartTransaction	Core	February 2, 2026, 3:16:24 PM	180,852 ms	PASS	  
TC_039_CS	Offline Transaction	Core	February 2, 2026, 2:06:37 PM	288,620 ms	PASS	  
TC_038_CS	Offline Stop Transaction	Core	February 2, 2026, 2:04:13 PM	115,560 ms	PASS	  
TC_037_3_CS	Offline Start Transaction - Invalid IdTag - StopTransactionOnInvalidId = true	Core	February 2, 2026, 1:59:43 PM	252,655 ms	PASS	  
TC_037_2_CS	Offline Start Transaction - Invalid IdTag - StopTransactionOnInvalidId = false	Core	February 2, 2026, 1:36:44 PM	235,658 ms	PASS	  
TC_037_1_CS	Offline Start Transaction - Valid IdTag	Core	February 2, 2026, 1:19:45 PM	251,997 ms	PASS	  
TC_036_CS	Connection Loss During Transaction	Core	February 2, 2026, 12:43:25 PM	217,886 ms	PASS	  
TC_005_3_CS	EV Side Disconnected - StopTransactionOnEVSideDisconnect = false - UnlockConnectorOnEVSideDisconnect = false	Core	February 2, 2026, 12:00:35 PM	133,139 ms	PASS	  
TC_005_2_CS	EV Side Disconnected - StopTransactionOnEVSideDisconnect = true - UnlockConnectorOnEVSideDisconnect = false	Core	February 2, 2026, 11:58:12 AM	131,718 ms	PASS	  
TC_004_2_CS	Regular Charging Session - Identification First - ConnectionTimeOut	Core	February 2, 2026, 11:55:09 AM	118,666 ms	PASS	  
TC_004_1_CS	Regular Charging Session - Identification First	Core	February 2, 2026, 11:53:41 AM	60,936 ms	PASS	  
TC_003_CS	Regular Charging Session - Plugin First	Core	February 2, 2026, 11:52:11 AM	71,732 ms	PASS	  
TC_007_2_CS	Remote Start Charging Session - Cached Id	Core	February 4, 2026, 4:24:08 PM	219,998 ms	PASS	  
TC_007_1_CS	Regular Start Charging Session - Cached Id	Core	February 4, 2026, 4:21:55 PM	120,689 ms	PASS	  

2.1.6 Remote Trigger

Código	Título	Status
TC_054_CS	Trigger Message	Aprovado ●
TC_055_CS	Trigger Message - Rejected	Aprovado ●

TC_055_CS	Trigger Message - Rejected	Core	February 2, 2026, 11:10:01 AM	46,763 ms	PASS	  
TC_054_CS	Trigger Message	Core	February 2, 2026, 11:08:32 AM	75,780 ms	PASS	  




























2.1.7 LocalAuthListManagement

Código	Título	Status
TC_043_CS	Send Local Authorization List	Aprovado ●
TC_43_3_CS	Send Local Authorization List - Failed	Aprovado ●
TC_43_2_CS	Send Local Authorization List - VersionMismatch	Aprovado ●
TC_42_2CS	Get Local List Version (empty)	Aprovado ●
TC_042_1_CS	Get Local List Version (not supported)	Aprovado ●
TC_008_2_CS	Remote Start Charging Session – Id in Local Authorization List	Aprovado ●
TC_008_1_CS	Remote Start Charging Session – Id in Local Authorization List	Aprovado ●
TC_008_1_CS	Regular Start Charging Session – Id in Local Authorization List	February 6, 2026, 4:08:08 PM 85,579 ms PASS   
TC_008_2_CS	Remote Start Charging Session – Id in Local Authorization List Core	February 6, 2026, 4:06:31 PM 81,983 ms PASS   
TC_042_1_CS	Get Local List Version (not supported)	February 6, 2026, 3:34:55 PM 43,357 ms PASS   
TC_042_2_CS	Get Local List Version (empty)	February 6, 2026, 3:33:48 PM 44,425 ms PASS   
TC_043_2_CS	Send Local Authorization List - VersionMismatch	February 6, 2026, 3:32:19 PM 60,303 ms PASS   
TC_043_3_CS	Send Local Authorization List - Failed	February 6, 2026, 3:32:00 PM 4,937 ms PASS   
TC_043_CS	Send Local Authorization List	February 6, 2026, 3:29:28 PM 53,299 ms PASS   

2.1.8 DataTransfer







Código	Título	Status
TC_062_CS	Data Transfer to a Charge Point	Aprovado ●
TC_062_CS	Data Transfer to a Charge Point Core	January 30, 2026, 6:32:11 PM 33,648 ms PASS   

2.1.9 Reservation

Código	Título	Status
TC_046_1_CS	Reservation of a Connector – Local start transaction	Aprovado ●
TC_046_2_CS	Reservation of a Connector – Remote start transaction	Aprovado ●
TC_047_CS	Reservation of a Connector – Expire	Aprovado ●
TC_048_2_CS	Reservation of a Connector – Occupied	Aprovado ●
TC_048_3_CS	Reservation of a Connector – Unavailable	Aprovado ●
TC_051_CS	Cancel Reservation	Aprovado ●
TC_052_CS	Cancel Reservation – Rejected	Aprovado ●
TC_053_1_CS	Use a reserved Connector with parentIdTag - local	Aprovado ●
TC_053_2_CS	Use a reserved Connector with parentIdTag - remote	Aprovado ●
TC_053_2_CS	Use a reserved Connector with parentIdTag - Remote Core	February 2, 2026, 11:50:16 AM 82,969 ms PASS   
TC_053_1_CS	Use a reserved Connector with parentIdTag - Local Core	February 2, 2026, 11:48:38 AM 72,248 ms PASS   
TC_052_CS	Cancel Reservation - Rejected Core	February 2, 2026, 11:41:53 AM 55,232 ms PASS   
TC_051_CS	Cancel Reservation Core	February 2, 2026, 11:40:25 AM 67,995 ms PASS   
TC_048_3_CS	Reservation of a Connector - Unavailable Core	February 2, 2026, 11:38:27 AM 51,056 ms PASS   
TC_048_2_CS	Reservation of a Connector - Occupied Core	February 2, 2026, 11:37:19 AM 52,908 ms PASS   
TC_047_CS	Reservation of a Connector - Expire Core	February 2, 2026, 11:33:52 AM 187,246 ms PASS   
TC_046_2_CS	Reservation of a Connector - Remote start transaction Core	February 2, 2026, 11:32:21 AM 67,887 ms PASS   
TC_046_1_CS	Reservation of a Connector - Local start transaction Core	February 2, 2026, 11:29:33 AM 143,315 ms PASS   

2.1.10 Remote Trigger

Código	Título	Status
TC_054_CS	Trigger Message	Aprovado ●
TC_055_CS	Trigger Message - Rejected	Aprovado ●































TC_055_CS	Trigger Message - Rejected	Core	February 2, 2026, 11:10:01 AM	46,763 ms	PASS	  
TC_054_CS	Trigger Message	Core	February 2, 2026, 11:08:32 AM	75,780 ms	PASS	  

2.1.11 Security

Em desenvolvimento.

2.2 Smart Charging

Código	Título	Status
TC_056_CS	Central Smart Charging – TxDefaultProfile	Aprovado ●
TC_057_CS	Central Smart Charging – TxProfile	Aprovado ●
TC_058_1_CS	Central Smart Charging – No ongoing transaction	Aprovado ●
TC_058_2_CS	Central Smart Charging – Wrong transactionId	Aprovado ●
TC_059_CS	Remote Start Transaction with Charging Profile	Aprovado ●
TC_060_CS	Remote Start Transaction with Charging Profile – Rejected	Aprovado ●
TC_066_CS	Get Composite Schedule	Aprovado ●
TC_067_CS	Clear Charging Profile	Aprovado ●
TC_072_CS	Stacking Charging Profiles	Aprovado ●
TC_082_CS	Central Smart Charging – TxDefaultProfile – with ongoing transaction	Aprovado ●

TC_082_CS	Central Smart Charging - TxDefaultProfile - with ongoing transaction	Smart Charging	February 5, 2026, 6:07:57 PM	57,310 ms	PASS	  
TC_072_CS	Stacking Charging Profiles	Smart Charging	February 5, 2026, 6:06:52 PM	54,160 ms	PASS	  
TC_067_CS	Clear Charging Profile	Smart Charging	February 5, 2026, 6:05:15 PM	89,036 ms	PASS	  
TC_066_CS	Get Composite Schedule	Smart Charging	February 5, 2026, 6:03:43 PM	80,334 ms	PASS	  
TC_060_CS	Remote Start Transaction with Charging Profile - Rejected	Smart Charging	February 5, 2026, 6:02:10 PM	36,370 ms	PASS	  
TC_059_CS	Remote Start Transaction with Charging Profile	Smart Charging	February 5, 2026, 6:00:48 PM	50,713 ms	PASS	  
TC_058_2_CS	Central Smart Charging - Wrong transactionId	Smart Charging	February 5, 2026, 5:59:13 PM	59,177 ms	PASS	  
TC_058_1_CS	Central Smart Charging - No ongoing transaction	Smart Charging	February 5, 2026, 5:57:02 PM	122,721 ms	PASS	  
TC_057_CS	Central Smart Charging - TxProfile	Smart Charging	February 5, 2026, 5:55:54 PM	62,590 ms	PASS	  
TC_056_CS	Central Smart Charging - TxDefaultProfile	Smart Charging	February 5, 2026, 5:53:32 PM	43,805 ms	PASS	  

3. Resultados

Com base nos testes executados por meio da ferramenta OCTT, conclui-se que a implementação do protocolo OCPP 1.6J na linha WEMOB Station está em conformidade com os requisitos obrigatórios dos perfis Core e Smart Charging.

Os requisitos complementares associados ao profile Security, que integra e estende o Core Profile, encontram-se em evolução dentro do roadmap técnico do produto, como parte do aprimoramento contínuo da arquitetura de segurança.

O escopo validado assegura a interoperabilidade funcional com sistemas centrais compatíveis com OCPP 1.6J, permanecendo as evoluções atualmente restritas aos mecanismos adicionais de segurança.



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