



OCPP 2.0.1 Edition 4
Errata 2026-09

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Version History

Version	Date	Description
2026-09	2026-10-07	Includes errata for Part 2, 4, 5 and 6 of OCPP 2.0.1 Edition 4.
2026-06	2026-07-13	Includes errata for Part 2, 4, 5 and 6 of OCPP 2.0.1 Edition 4.
2026-04	2026-05-06	Includes errata for Part 2, 4, 5 and 6 of OCPP 2.0.1 Edition 4.
2026-02	2026-03-11	Includes errata for Part 2, 4, 5 and 6 of OCPP 2.0.1 Edition 4.
2025-11	2025-12-03	Includes errata for Part 1, 2, 4, 5 and 6 of OCPP 2.0.1 Edition 3.
2025-09	2025-09-30	Includes errata for Part 1, 2, 4, 5 and 6 of OCPP 2.0.1 Edition 3.
2025-06	2025-07-08	Includes errata for Part 2, 5 and 6 of OCPP 2.0.1 Edition 3.
2025-04	2025-04-30	Includes errata for Part 2, 5 and 6 of OCPP 2.0.1 Edition 3.
2025-02	2025-03-06	Includes errata for Part 2, 5 and 6 of OCPP 2.0.1 Edition 3.
2025-01	2025-01-23	Includes errata for Part 1-4 of OCPP 2.0.1 Edition 3
2024-11	2024-11-14	Includes errata for Part 5 and Part 6 of OCPP 2.0.1 Edition 3
2024-09	2024-09-25	Includes errata for Part 4, Part 5 and Part 6 of OCPP 2.0.1 Edition 3
2024-06	2024-06-27	Includes errata for Part 5 and Part 6.

Scope

This document contains errata on the OCPP 2.0.1 documentation. These errata have to be read as an addition to the release of OCPP 2.0.1 Edition 4.

The errata do not affect any schemas of OCPP messages. Certain errata do contain changes to requirements or even new requirements, but only in cases where a requirement contains an obvious error and would not or could not be implemented literally. New requirements are only added when they were already implicitly there. These changes have been discussed in or were proposed by the Technology Working Group of the Open Charge Alliance.

The appendices of the OCPP specification can be updated without requiring a new OCPP release. This mainly concerns the components and variables of the OCPP device model, which can be extended with new components or variables, as long as they are optional.

Terminology and Conventions

Bold: when needed to clarify differences, bold text might be used.

The errata entries are sorted by page number of the affected section of the specification document. When an errata entry affects multiple parts of the specification, then the various changes are grouped together with subsections referring to the pages affected by those changes.

This is version 2026-09 of the errata. The errata of this version are marked with "(2026-09)" in the section title.

In some cases the issue number by which it was reported, is added in square brackets at the end of the section title, e.g. "[349]". For retrieval of the issue in the issue tracking system prefix the number with "OCP20M", like "[OCP20M-349]".

0. Part 0

Currently no new errata for OCPP 2.0.1 Edition 4 part 0.

Chapter 1. Part 1

Currently no new errata for OCPP 2.0.1 Edition 4 part 1.

Chapter 2. Part 2

2.1. Page 12 - (2026-02) - Updated reference 17 and added new references

Special Publication 800-57 updated with latest revision

	Reference	Description	Note
Old	[17]	National Institute of Standards and Technology. Special Publication 800-57 Part 1 Rev. 4, Recommendation for Key Management. January 2016. https://csrc.nist.gov/publications/detail/sp/800-57-part-1/rev-4/final	
New	[17]	National Institute of Standards and Technology. Special Publication 800-57 Part 1 Rev. 5, Recommendation for Key Management. May 2020. https://csrc.nist.gov/pubs/sp/800/57/pt1/r5/final	

RFC 6818 defines certificate validation rules in A00.FR.308, A00.FR.403, and A00.FR.413.

Reference	Description
[26]	RFC 6818. Updates to the Internet X.509 Public Key Infrastructure Certificate and Certificate Revocation List (CRL) Profile. https://tools.ietf.org/html/rfc6818
[27]	European Cybersecurity Certification Group Sub-group on Cryptography, Agreed Cryptographic Mechanisms, Version 2.0, April 2025 https://certification.enisa.europa.eu/document/download/a845662b-ae0-484e-9191-890c4cfa7aaa_en?filename=ECCG%20Agreed%20Cryptographic%20Mechanisms%20version%202.pdf

2.2. Page 21 - (2026-02) - Inclusion of RFC 8441 for HTTP/2

No.	Type	Description
1	Name	TLS with Basic Authentication
...		
7	Remark(s)	TLS allows a number of configurations, not all of which provide sufficient security. The requirements below describe the configurations allowed for OCPP. The Charging Station should include the same header as used in Basic Auth RFC 2617, while requesting to upgrade the http connection to a websocket connection as described in RFC 6455 and RFC 8441 (HTTP/2). The server first needs to validate the Authorization header before upgrading the connection.

2.3. Page 21 - (2026-02) - A00.FR.308 - Additional requirement references

	ID	Precondition	Requirement definition	Note
Old	A00.FR.308		The Charging Station SHALL verify the certification path of the CSMS's certificate according to the path validation rules established in Section 6 of [3].	
New	A00.FR.308		The Charging Station SHALL verify the certification path of the CSMS's certificate according to the path validation rules established in Section 6 of [3] and Section 4 of [26]	

2.4. Page 23 - (2026-02) - A00.FR.403 - Additional requirement references

	ID	Precondition	Requirement definition	Note
Old	A00.FR.403		The CSMS SHALL verify the certification path of the Charging Station's certificate according to the path validation rules established in Section 6 of [3]	
New	A00.FR.403		The CSMS SHALL verify the certification path of the Charging Station's certificate according to the path validation rules established in Section 6 of [3] and Section 4 of [26]	

2.5. Page 74 - (2026-04) - B12 - Reset with ongoing transaction allows wait for cable disconnection

New requirements have been added to clarify the expected behavior when a reset is requested during an ongoing transaction, including the requirement to allow waiting for cable disconnection before performing the reset. Requirements were further updated for clarity.

New requirement

ID	Precondition	Requirement definition	Note
B12.FR.11	B12.FR.03 AND The transaction(s) on the EVSE(s) are terminated	The Charging Station MAY wait for cable disconnection before initiating a reboot	
B12.FR.12	B12.FR.07 AND The transaction on the EVSE is terminated	The Charging Station MAY wait for cable disconnection before initiating a reset of the EVSE	
B12.FR.13	B12.FR.11	The Charging Station SHALL reboot	
B12.FR.14	B12.FR.12	The Charging Station SHALL reset the EVSE	

Changed requirement

	ID	Precondition	Requirement definition	Note
Old	B12.FR.01	When the Charging Station receives a ResetRequest(OnIdle) AND a transaction is ongoing	The Charging Station SHALL respond with a ResetResponse(Scheduled) , to indicate whether the Charging Station will attempt to reset itself or EVSE after all transactions on Charging Station or EVSE have ended.	
New	B12.FR.01	When the Charging Station receives a ResetRequest(OnIdle) AND a transaction is ongoing	The Charging Station SHALL respond with a ResetResponse(Scheduled)	
Old	B12.FR.02	When the Charging Station receives a ResetRequest(Immediate) AND a transaction is ongoing	The Charging Station SHALL respond with a ResetResponse(Accepted) , to indicate whether the Charging Station will attempt to reset itself or EVSE.	
New	B12.FR.02	When the Charging Station receives a ResetRequest(Immediate) AND a transaction is ongoing	The Charging Station SHALL respond with a ResetResponse(Accepted)	

	ID	Precondition	Requirement definition	Note
Old	B12.FR.03	If no <i>evseld</i> is supplied ~~AND~~ ~~If any transaction is in progress and an OnIdle reset is received.~~	The transaction of the Charging Station SHALL be terminated normally, before the reboot, e.g. as in E06 - Stop Transaction .	
New	B12.FR.03	B12.FR.01 AND If no <i>evseld</i> is supplied	The transaction of the Charging Station SHALL be terminated normally, before the reboot, e.g. as in E06 - Stop Transaction .	
Old	B12.FR.04	If no <i>evseld</i> is supplied ~~AND~~ ~~If any transaction is in progress and an Immediate Reset is received.~~	The Charging Station SHALL attempt to terminate any transaction in progress and send a TransactionEventRequest (eventType = Ended) message with <i>triggerReason</i> = <i>ResetCommand</i> and <i>transactionInfo.stoppedReason</i> = <i>ImmediateReset</i> for each terminated transaction before performing a reboot.	
New	B12.FR.04	B12.FR.02 AND If no <i>evseld</i> is supplied	The Charging Station SHALL attempt to terminate any transaction in progress and send a TransactionEventRequest (eventType = Ended) message with <i>triggerReason</i> = <i>ResetCommand</i> and <i>transactionInfo.stoppedReason</i> = <i>ImmediateReset</i> for each terminated transaction before performing a reboot.	
Old	B12.FR.05	~~If an Immediate Reset without evseld is received and the TransactionEventResponse is not received within timeout.~~	The Charging Station SHALL queue the TransactionEventRequest , reboot and resend the TransactionEventRequest after the reboot.	
New	B12.FR.05	B12.FR.04 AND the TransactionEventResponse is not received within timeout.	The Charging Station SHALL queue the TransactionEventRequest , reboot and resend the TransactionEventRequest after the reboot.	
Old	B12.FR.07	If an <i>evseld</i> is supplied ~~AND~~ ~~If a transaction is in progress on the EVSE and an OnIdle reset is received.~~	The transaction on the EVSE SHALL be terminated normally, before the reset, e.g. as in E06 - Stop Transaction .	
New	B12.FR.07	B12.FR.01 AND If an <i>evseld</i> is supplied	The transaction on the EVSE SHALL be terminated normally, before the reset, e.g. as in E06 - Stop Transaction .	
Old	B12.FR.08	If an <i>evseld</i> is supplied ~~AND~~ ~~If a transaction is in progress on the EVSE and an Immediate Reset is received.~~	The Charging Station SHALL attempt to terminate the transaction in progress on the EVSE and send a TransactionEventRequest (eventType = Ended) message with <i>triggerReason</i> = <i>ResetCommand</i> and <i>transactionInfo.stoppedReason</i> = <i>ImmediateReset</i> before resetting the EVSE.	
New	B12.FR.08	B12.FR.02 AND If an <i>evseld</i> is supplied	The Charging Station SHALL attempt to terminate the transaction in progress on the EVSE and send a TransactionEventRequest (eventType = Ended) message with <i>triggerReason</i> = <i>ResetCommand</i> and <i>transactionInfo.stoppedReason</i> = <i>ImmediateReset</i> before resetting the EVSE.	

2.6. Page 24 - (2026-02) - A00.FR.411 - Additional requirement references

	ID	Precondition	Requirement definition	Note
Old	A00.FR.411		The Charging Station SHALL verify the certification path of the CSMS's certificate according to the path validation rules established in Section 6 of [3]. (Same as A00.FR.308)	
New	A00.FR.411		The Charging Station SHALL verify the certification path of the CSMS's certificate according to the path validation rules established in Section 6 of [3] and Section 4 of [26]. (Same as A00.FR.308)	

2.7. Page 34 - (2026-02) - A02.FR.02 - Requirement reference correction

	ID	Precondition	Requirement definition	Note
Old	A02.FR.02		The Charging Station SHALL generate a new public / private key pair using one of the key generation functions described in Section 4.2.1.3 of [16].	
New	A02.FR.02		The Charging Station SHALL generate a new public / private key pair using one of the key generation functions described in Section 8.1 of [27].	

2.8. Page 37 - (2026-02) - A03.FR.02 - Requirement reference correction

	ID	Precondition	Requirement definition	Note
Old	A03.FR.02		The Charging Station SHALL generate a new public / private key pair using one of the key generation functions described in Section 4.2.1.3 of [16].	
New	A03.FR.02		The Charging Station SHALL generate a new public / private key pair using one of the key generation functions described in Section 8.1 of [27].	

2.9. Page 35 - (2026-02) - A02.FR.19 conditions made more specific [1158]

The condition "maximum number of increments reached" in A02.FR.19 has been made more explicit by referring to CertSigningRepeatTimes configuration variable.

	ID	Precondition	Requirement definition	Note
Old	A02.FR.19	A02.FR.18 AND The maximum number of increments is reached	The Charging Station SHALL stop resending the SignCertificateRequest, until it is requested by the CSMS via a TriggerMessageRequest for SignChargingStationCertificate, SignV2GCertificate or SignCombinedCertificate.	

	ID	Precondition	Requirement definition	Note
New	A02.FR.19	A02.FR.18 AND CertSigningRepeatTimes is reached	The Charging Station SHALL stop resending the SignCertificateRequest , until it is requested by the CSMS via a TriggerMessageRequest for SignChargingStationCertificate, SignV2GCertificate or SignCombinedCertificate.	

2.10. Page 37 - (2026-02) - A03.FR.02 Only applies in security profile 3 [1167]

Creation of a new client certificate must only be done while operating with security profile 3, otherwise CSMS might refuse to sign a client certificate.

Changed requirement

	ID	Precondition	Requirement definition	Note
Old	A03.FR.02	When the Charging Station detects that the current Charging Station certificate will expire in one month.	The Charging Station SHALL generate a new public / private key pair using one of the key generation functions described in Section 4.2.1.3 of [16].	
New	A03.FR.02	When the Charging Station is connected with security profile 3 AND detects that the current Charging Station certificate will expire in one month.	The Charging Station SHALL generate a new public / private key pair using one of the key generation functions described in Section 4.2.1.3 of [16].	

2.11. Page 93 - (2026-09) - C07 Figure 26 is not binding [1343]

Use case C07 shows a sequence diagram for plug-and-charge with ISO 15118-2. This diagram is informational and not binding.

The remark of the use case has been updated to mention this. The sequence diagram has been updated with a recommended flow.

No.	Type	Description
1	Name	Authorization using Contract Certificates
2	ID	C07
	...	...
8	Remark(s)	In edition 1 of 15118, the message timeout of the PaymentDetailsReq/Res message is 5 seconds. In case certificate verification cannot be completed in that time it is possible to complete this during the AuthorizationReq/Res, which can be extended up to 60 seconds. When the Charging Station is offline, it is recommended to omit the payment option for ISO 15118 contract certificates from the ServiceDiscoveryRes and revert to External Identification Means (use case C08), because certificate status cannot be checked. Figure 26 shows a sequence diagram of a PnC authorization. These figures are informational and not binding.

2.11.1. Updated sequence diagrams for Authorization using Contract Certificates

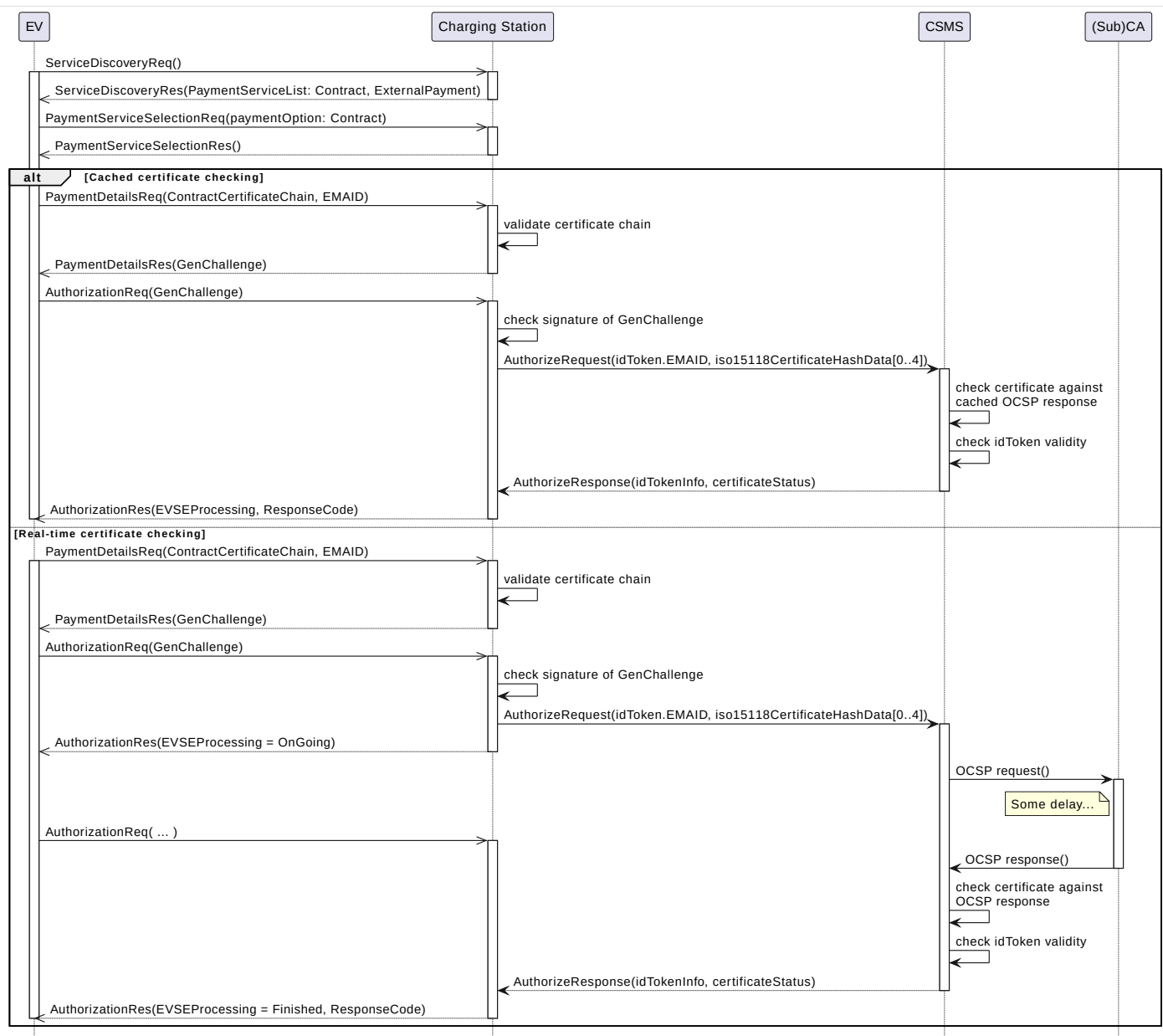


Figure 26. Authorization using Contract Certificates with ISO 15118-2

2.12. Page 123 - (2026-06) - transactionInfo.stoppedReasons mentions OCPP 2.1 use cases [1247]

The last sentence of the following paragraph is referring to K18, K19 and Q01 which are OCPP 2.1 use cases that do not exist in OCPP 2.0.1. The sentence has been removed.

transactionInfo.stoppedReason

(B12.FR.04, B12.FR.08) *stoppedReason* ImmediateReset is sent when transaction ended as result of a reset.

(C15.FR.04, C16.FR.08) *stoppedReason* DeAuthorized or MasterPass

(E03.FR.05, E05.FR.10, E06.FR.08/09, E07.FR.04/05/06, E15.FR.04, E17.FR.21/22, E18.FR.25) The *stoppedReason* must be provided in the TransactionEventRequest(eventType=Ended), unless the value is Local, in which case it may be omitted. (F02.FR.07, F03.FR.03, F04.FR.03) The above also applies to transactions that are stopped by a RequestStopTransactionRequest, however in this case the *stoppedReason* value must be Remote.

~~(K18.FR.23, K19.FR.16, Q01.FR.05) *stoppedReason* ReqEnergyTransferRejected is sent when transaction is ended, because requested energy transfer type is not granted.~~

2.13. Page 224 - (2026-02) - I06.FR.03 - added note about privacy [715]

A note has been added about protecting privacy when showing messages.

	ID.	Precondition	Requirements
Old	I06.FR.03	I06.FR.02	The Charging Station SHALL display the updated tariff information to the EV Driver.
New	I06.FR.03	I06.FR.02	The Charging Station SHALL display the updated tariff information to the EV Driver. Note: Charging Station should take measures to protect the privacy of the EV Driver, for example by ensuring that only the authenticated user can view the message.

2.14. Page 178 - (2026-06) - New F01.FR.27 and F02.FR.28 for *evseId* in RequestStartTransactionRequest [1281]

There has always been an implicit (silent) requirement that a CSMS is able to provide an EVSE ID in a RequestStartTransactionRequest. It is only for flexibility that the option was given to let the charging station decide which EVSE to use if it is able to do so. A charging station that cannot do this can reject the request. In that case CSMS will have to send a new RequestStartTransaction with an EVSE ID.

Unfortunately, due to the *evseId* being an optional field, a CSMS could be implemented that is never sending an *evseId* and still comply to the requirements. Therefore, a new requirement is added to close this gap.

New requirement

ID	Precondition	Requirement definition	Note
F01.FR.27		CSMS SHALL be able to provide an <i>evseId</i> in a RequestStartTransactionRequest for interoperability with Charging Stations that do not accept RequestStartTransactionRequest without it.	F01.FR.07 allows a charging station to reject a request without <i>evseId</i> . F01.FR.06 allows CSMS to send a request without <i>evseId</i> , but in case of F01.FR.07 it must be able to provide a <i>evseId</i> .

The same requirement is also for F02.

New requirement

ID	Precondition	Requirement definition	Note
F02.FR.28		CSMS SHALL be able to provide an <i>evseId</i> in a RequestStartTransactionRequest for interoperability with Charging Stations that do not accept RequestStartTransactionRequest without it.	(Same as F01.FR.27) F02.FR.15 allows a charging station to reject a request without <i>evseId</i> . F02.FR.14 allows CSMS to send a request without <i>evseId</i> , but in case of F02.FR.15 it must be able to provide a <i>evseId</i> .

2.15. Page 252 - (2026-09) - K01 - added missing requirement to reject ExternalConstraints from CSMS [1327]

A CSMS is forbidden to send a ChargingStationExternalConstraints profile to a charging station, but a matching requirement that Charging Station must reject it if it receives such a charging profile was missing.

New requirement

ID	Precondition	Requirement definition	Note
K01.FR.62	When a Charging Station receives a SetChargingProfileRequest from CSMS with <i>chargingProfilePurpose</i> set to <i>ChargingStationExternalConstraints</i>	Charging Station SHALL respond with a <i>status</i> = <i>Rejected</i> and optionally a <i>statusInfo.reasonCode</i> = <i>UnsupportedPurpose</i>	Purpose not allowed from CSMS.

2.16. Page 293 - (2026-04) - L01.FR.04 - removed ECSchnorr algorithm option and clarify the signature verification the Charging Station must do

	ID.	Precondition	Requirements	Note
Old	L01.FR.04	When the Charging Station has successfully downloaded the new firmware	The signature SHALL be validated, by calculating the signature over the entire firmware file using the RSA-PSS or ECSchnorr algorithm for signing, and the SHA256 algorithm for calculating hash values.	
New	L01.FR.04	When the Charging Station has successfully downloaded the new firmware	The charging station SHALL verify the signature from the UpdateFirmwareRequest with the hash over the entire received firmware file computed using the signature hash algorithm.	The RSA-PSS or ECDSA algorithm is used for signing. Please refer to section [certificate_properties] for more details about signature algorithms and computing hash values.

2.17. Page 412 - (2026-02) - Improved description of UnitOfMeasureType [670]

Field Name	Field Type	Card.	Description
unit	string[0..20]	0..1	Optional. Unit of the value. Default = "Wh" if the (default) measurand is an "Energy" type. This field SHALL use a value from the list Standardized Units of Measurements in Part 2 Appendices. If an applicable unit is available in that list, otherwise a "custom" unit might be used.
multiplier	integer	0..1	Optional. Multiplier, this value represents the exponent to base 10. I.e. multiplier 3 means 10 raised to the 3rd power. Default is 0. The <i>multiplier</i> only multiplies the value of the measurand. It does not specify a conversion between units, for example, from kW to W.

2.18. Page 460 - (2026-09) - New variable DisabledIdTokenTypes [1363]

A new optional configuration variable has been added in order to allow an operator to disable the use of certain token types for local authorization.

2.18.1. DisabledIdTokenTypes

Required	no	
Component	componentName	AuthCtrlr

Variable	variableName	DisabledIdTokenTypes	
	variableAttributes	mutability	ReadWrite
	variableCharacteristics	dataType	MemberList
		valuesList	List of IdTokenEnumType.
Description	This configuration variable is used to specifically disable certain supported idTokens. If absent, all idTokenTypes in AuthCtrl.SupportedIdTokenTypes are allowed as idToken, but when present, the idTokenTypes configured in AuthCtrl.DisabledIdTokenTypes cannot be used for local authorization . This setting does not affect the use of idTokens in RequestStartTransactionRequests . For example, to disallow MacAddress and EVCCID as idTokens for local authorization, set AuthCtrl.DisabledIdTokenTypes = "MacAddress, EVCCID".		

A new optional configuration variable has been added to allow an operator to define that the MacAddress of an EV (when available) is added to the idToken in the *additionalInfo* field if it is not used as the primary idToken. This can, for example, be used as an additional check for authorization.

2.18.2. MacAddressInAdditionalInfo

Required	no		
Component	componentName	AuthCtrlr	
Variable	variableName	MacAddressInAdditionalInfo	
	variableAttributes	mutability	ReadWrite
	variableCharacteristics	dataType	boolean
Description	When AuthCtrlr.MacAddressInAdditionalInfo = true the MacAddress of the EV (if available) will be added in the <i>additionalInfo</i> field of the idToken that is used for authorization if that idToken is not of type "MacAddress" . The MacAddress is added in <i>additionalInfo</i> as: - <i>additionalIdToken</i> with the value of the MacAddress, and - <i>type</i> = "MacAddress"		

2.18.3. Appendix: Add MacAddress to additionalInfo types

The entry has been added to Chapter 6. AdditionalInfo types

MacAddress	The MacAddress of EV can be added as <i>additionalInfo</i> to an idToken if AuthCtrlr.MacAddressInAdditionalInfo = true.
------------	--

2.19. Page 467 - (2026-09) - New configuration variable RemoteStartWithoutEvseld [1311]

Defining an optional variable indicating whether the charging station supports remote start without an EVSE ID. This is useful for CSMS to know whether it can send a RequestStartTransaction without an evseld.

2.19.1. RemoteStartWithoutEvseld

Required	no	
Component	componentName	TxCtrlr

Variable	variableName	RemoteStartWithoutEvseld	
	variableAttributes	mutability	ReadOnly
	variableCharacteristics	dataType	boolean
Description	If this variable is true, the Charging Station supports a RequestStartTransactionRequest without an <i>evseld</i> , which means that it is up to the Charging Station to select which EVSE to use.		

2.20. Page 491 - (2026-09) - New variable ISO15118Ctrlr.DisableOCSPPrefetching [1362]

Add a variable to disable OSCP response prefetching that is currently mandated by use case M06, which requires the charging station to prefetch OSCP responses so they are available when the EV checks certificate validity, rather than fetching them on demand at that point in time.

In practice, apparently an EV never actually requests these OSCP responses to verify certificate validity, likely because CharIN's ISO 15118-2 implementation guide marks this check as optional on the EV side, which is why many implementations skip it. If prefetching is truly unused, disabling it removes wasted effort.

A precondition for M06.FR.06 was missing and it did not mention to check the cache before requesting the OSCP status. This has been added. Requirements M06.FR.07 and M06.FR.10 have now become dependent on the value of ISO15118Ctrlr.DisableOCSPPrefetching.

New configuration variable

2.20.1. ISO15118DisableOCSPPrefetching

Required	no		
Component	componentName	ISO15118Ctrlr	
	evse	* (optional)	
Variable	variableName	DisableOCSPPrefetching	
	variableAttributes	mutability	ReadWrite
	variableCharacteristics	dataType	boolean
Description	When this variable is true the Charging Station will not prefetch OSCP responses anymore as it would have according to use case M06 - GetV2GChargingStation Certificate Status. By default, this variable is absent or false in which case standard M06 behaviour applies.		

2.20.2. Updated M06 requirements accordingly

Changed requirements

	ID	Precondition	Requirement definition
Old	M06.FR.06		The Charging Station SHALL request and cache the OSCP status for its V2G certificates.
New	M06.FR.06	When an EV request the OSCP status for a V2G certificate	The Charging Station SHALL check for its OSCP status in the cache first, and if no OSCP status is found or it is too old, Charging Station SHALL request and cache the OSCP status for its V2G certificates.
Old	M06.FR.07		After the Charging Station Certificate has been updated, The Charging Station SHALL refresh the cached OSCP data by sending a GetCertificateStatusRequest for the new certificate, and also for the intermediate certificates.

	ID	Precondition	Requirement definition
New	M06.FR.07	When the Charging Station's V2G certificate has been updated AND ISO15118Ctrlr.DisableOCSPrefetching is absent or false	After the Charging Station Certificate has been updated, The Charging Station SHALL refresh the cached OCSP data by sending a GetCertificateStatusRequest for the new certificate, and also for the intermediate certificates.
Old	M06.FR.10		The Charging Station SHALL refresh the cached OCSP data at least once a week.
New	M06.FR.10	If ISO15118Ctrlr.DisableOCSPrefetching is absent or false	The Charging Station SHALL refresh the cached OCSP data at least once a week.

2.21. Appendix 3.2 - (2026-06) - Added EnergyRequest to ConnectedEV [1318]

The current EnergyImport variable uses the attribute values MinSet, MaxSet and Target. However, the ISO 15118 value of EnergyRequest changes continuously during the charging session, whereas a value attribute Target is not supposed to be moving.

The variable **EnergyImport** represents **the initial values** at start of the session.

The variable **EnergyRequest** represents **the continuously changing value** of the ISO 15118 EnergyRequest. The variable EnergyRequest has three instances: Maximum, Minimum and Target.

Updated table of optional variables for ConnectedEV for ISO 15118 table

(Updated parts are highlighted)

Variable	Unit	ISO 15118-2 value	ISO 15118-20 value
Voltage and current values: (from ChargeParameterDiscoveryReq unless stated otherwise)			
ACCurrent(MinSet)	A	EVMinCurrent	-
ACCurrent(MaxSet)	A	EVMaxCurrent	-
ACVoltage(MaxSet)	V	EVMaxVoltage	-
DCCurrent(MinSet)	A	-	EVMinimumChargeCurrent
DCCurrent(MaxSet)	A	EVMaximumCurrentLimit	EVMaximumChargeCurrent
DCCurrent(Target)	A	EVTARGETCURRENT (CurrentDemandReq)	EVTARGETCURRENT (DC_ChargeLoopReq)
DCVoltage(MinSet)	V	-	EVMinimumVoltage
DCVoltage(MaxSet)	V	EVMaximumVoltageLimit	EVMaximumVoltage
DCVoltage(Target)	V	EVTARGETVOLTAGE (CurrentDemandReq)	EVTARGETVOLTAGE (DC_ChargeLoopReq)
Power, energy and time values:			
Power(MaxSet)	W	EVMaximumPowerLimit (DC)	EVMaximumChargePower (AC/DC) All phases combined.
DischargePower(Max Set)	W	-	EVMaximumDischargePower (AC/DC) Rated maximum, all phases combined (Actual discharging power is reported via EVSE)
DischargePower	W	-	EVMaximumDischargePower (AC/DC) (BPT ChargeLoopReq) Actual maximum, all phases combined
EnergyImport(MaxSet) Is set at beginning of session and is not updated during the session. It represents the initial maximum.	Wh	Initial value of EVEnergyCapacity (DC)	Initial value of EVMaximumEnergyRequest (ScheduleExchangeReq, AC/DC_ChargeLoopReq)
EnergyImport(MinSet) Is set at beginning of session and is not updated during the session. It represents the initial minimum.	Wh	-	Initial value of EVMinimumEnergyRequest (ScheduleExchangeReq, AC/DC_ChargeLoopReq)

Variable	Unit	ISO 15118-2 value	ISO 15118-20 value
EnergyImport(Target) <i>Is set at beginning of session and is not updated during the session. It represents the initial target.</i>	Wh	Initial value of EVEnergyRequest (DC) EAmount (AC)	Initial value of EVTARGETEnergyRequest (ScheduleExchangeReq, AC/DC_ChargeLoopReq)
EnergyRequest["Maximum"] <i>Instance name "Maximum"</i>	Wh	Current value of EVEnergyCapacity (DC)	Current value of EVMaximumEnergyRequest (ScheduleExchangeReq, AC/DC_ChargeLoopReq)
EnergyRequest["Minimum"] <i>Instance name "Minimum"</i>	Wh	-	Current value of EVMinimumEnergyRequest (ScheduleExchangeReq, AC/DC_ChargeLoopReq)
EnergyRequest["Target"] <i>Instance name "Target"</i>	Wh	Current value of EVEnergyRequest (DC) EAmount (AC)	Current value of EVTARGETEnergyRequest (ScheduleExchangeReq, AC/DC_ChargeLoopReq)
BatteryCapacity	Wh	EVEnergyCapacity (DC)	BatteryCapacity (AC/DC_ChargeLoopReq.DisplayParameters)
DepartureTime	dateTime	DepartureTime <i>Provided as seconds since message receipt. Converted to absolute time.</i>	DepartureTime (ScheduleExchangeReq, AC/DC_ChargeLoopReq) <i>Provided as seconds since message receipt. Converted to absolute time.</i>
RemainingTimeBulk	s	RemainingTimeToBulkSoC (CurrentDemandReq)	-
RemainingTimeFull(MaxSet)	s	-	-
RemainingTimeFull	s	RemainingTimeToFullSoc (CurrentDemandReq)	RemainingTimeToMaximumSOC (AC/DC_ChargeLoopReq.DisplayParameters)
StateOfChargeBulk	%	BulkSoC	-
StateOfCharge(MaxSet)	%	FullSoC	MaximumSOC (AC/DC_ChargeLoopReq.DisplayParameters)
StateOfCharge	%	DC_EVStatus.EVRESSOC	PresentSOC (AC/DC_ChargeLoopReq.DisplayParameters)
StateOfCharge["Minimum"] <i>Instance name "Minimum"</i>	%	-	MinimumSOC (AC/DC_ChargeLoopReq.DisplayParameters)
StateOfCharge["Target"] <i>Instance name "Target"</i>	%	-	TargetSOC (AC/DC_ChargeLoopReq.DisplayParameters)
ChargingCompleteBulk	boolean	BulkChargingComplete	-
ChargingCompleteFull	boolean	ChargingComplete	ChargingComplete (AC/DC_ChargeLoopReq.DisplayParameters)
Error status values:			
ChargingState <i>with a memberlist consisting of the following values:</i>			
* BatteryOvervoltage	-		<EVTerminationCode>
* BatteryUndervoltage	-		...
* ChargingCurrentDeviation		FAILED_ChargingCurrentDifferential	...
* BatteryTemperature		FAILED_RESSTemperatureInhibit	...
* VoltageDeviation		FAILED_ChargingVoltageOutOfRange	...
* ChargingSystemError		FAILED_EVRESSMalfunction	...
* VehicleShiftPosition		FAILED_EVShiftPosition	...
* VehicleChargingEnabled	-		...

Variable	Unit	ISO 15118-2 value	ISO 15118-20 value
* <i>ChargingSystemIncompatibility</i>		FAILED_ChargingSystemIncompatibility	...
* <i>ChargerConnectorLockFault</i>		FAILED_ChargerConnectorLockFault	...
NOTE 1: ChargingState variable reports an error status and is not related to the <i>chargingState</i> in a TransactionEventRequest. NOTE 2: ISO 15118-20 uses the EVTerminationCode from the SessionStopReq message to signal what has caused the session to end. Future revisions of ISO 15118-20 will introduce concrete EVTerminationCode values (e.g. urn:iso:std:iso:15118:-20:EVTerminationCode:ChargerConnectorLockFault).			

Chapter 3. Part 3

Currently no new errata for OCPP 2.0.1 part 3.

Chapter 4. Part 4

4.1. Page 10 - (2026-02) - Update handling of unknown message type [1163]

The sentence about ignoring unknown message types has been improved slightly. It mentioned to ignore the message payload, but the intention was to ignore the entire message.

Old paragraph	When a system receives a message with a Message Type Number not in this list, it SHALL ignore the message payload. Each message type may have additional required fields.
New paragraph	When a system receives a message with a Message Type Number not in this list, it SHALL ignore the message ~~payload~~ . Each message type may have additional required fields.

4.2. Page 16 - (2026-02) - MessageTypeNotSupported is deprecated [1161]

As of OCPP 2.1 a message type number that is not supported is silently ignored, as described in section 4.4. This is therefore no longer a valid error code.

Valid Error Codes

ErrorCode	Description
...	...
MessageTypeNotSupported	(deprecated) A message with a Message Type Number that is not supported by this implementation.
...	...

4.3. Page 16 - (2026-02) - Section 4.4 Extension fallback mechanism removed [1163]

Section 4.4 "Extension fallback mechanism" is contradictory to section 4.1, which states to ignore unknown message types. It has therefore been removed.

Chapter 5. Part 5

5.1. Page 25 - (2026-06) - TC_E_39_CS - Only applicable for TxStopPoint Authorized

We already have two other testcases testing the EVConnectionTimeout; TC_E_05_CS for Local and TC_F_04_CS for Remote. TC_E_39_CS was specifically meant to test it in combination with TxStopPoint Authorized.

		Stop transaction options					
Old	TC_E_39	Deauthorized - timeout	M	M			
New	TC_E_39	Deauthorized - timeout	C	M		C-10.2	

Chapter 6. Part 6

6.1. General

Currently no errata for Part 6 General.

6.2. Charging Station

6.2.1. Page 23 - (2026-02) - TC_A_20_CS - Added note that the testcase will end when the SetNetworkProfile is rejected

Test case name	Upgrade Charging Station Security Profile - No valid CSMSRootCertificate installed
Test case Id	TC_A_20_CS
...	

Main (Test scenario)	
Charging Station	CSMS
2. The Charging Station responds with a SetNetworkProfileResponse	1. The Test System sends a SetNetworkProfileRequest with - configurationSlot is <Configured configurationSlot2> or <Configured configurationSlot> (the one currently not used for the active connection) - connectionData.messageTimeout <Configured messageTimeout2> - connectionData.ocppCsmsUrl <ocppCsmsUrl that is not currently active> - connectionData.ocppInterface <Configured ocppInterface2> - connectionData.ocppVersion OCPP20 - connectionData.securityProfile <Configured securityProfile2>
Note: <i>If the Charging Station responds with a SetNetworkProfileResponse with status Rejected, then step 3/4 will not be executed.</i>	
4. The Charging Station responds with a SetVariablesResponse	3. The Test System sends a SetVariablesRequest with variable.name is "NetworkConfigurationPriority" component.name is "OCPPCommCtrlr" attributeValue is <configurationSlot set at step 1>,<previous configurationSlot>

6.2.2. Page 57 - (2026-04) - TC_B_21_CS - Clarification of charging station reboot behaviour with ongoing transactions

The test case has been updated to provide clarity on when the charging station is allowed to reboot. The charging station is expected to reboot either after the transaction has ended or if the transaction ends before the cable is disconnected, once the cable is disconnected.

Test case name	Reset Charging Station - With Ongoing Transaction - OnIdle
Test case Id	TC_B_21_CS

Before (Preparations)
Configuration State: N/a
Memory State: N/a
Reusable State(s): State is <i>EnergyTransferStarted</i>

Main (Test scenario)	
Charging Station	CSMS
2. The Charging Station responds with a ResetResponse	1. The Test System sends a ResetRequest with type <i>OnIdle</i>
3. Execute Reusable State <i>StopAuthorized</i>	

Main (Test scenario)
Notes(s): If the TxStopPoint contains EnergyTransfer, PowerPathClosed, or Authorized: The test system will wait the <Configured Long Operation Time Out> to determine if the charging station resets because the transaction has ended. If the charging station resets proceed to step 7. Else proceed with step 4. 4. Execute Reusable State <i>EVConnectedPostSession</i> 5. Execute Reusable State <i>EVDisconnected</i> Notes(s): Steps 4 and 5 will only be executed if TxStartPoint does not contain: EnergyTransferStarted, DataSigned, PowerPathClosed, or Authorized Notes(s): Step 6 will only be executed if TxStartPoint does not contain: EnergyTransferStarted, DataSigned, PowerPathClosed, Authorized, or EVConnected is ParkingBayOccupancy ...

Tool validations
* Step 2: Message ResetResponse - status Scheduled * Step 7: Message BootNotificationRequest - reason ScheduledReset * Step 9: Message: StatusNotificationRequest - If the transaction was stopped charging station reset at step 3, then – for the connector involved in the transaction: connectorStatus Occupied – for other connectors of this EVSE: connectorStatus Available or Unavailable Else connectorStatus Available Message: NotifyEventRequest - eventData[0].trigger Delta - eventData[0].component.name "Connector" - eventData[0].variable.name "AvailabilityState" - If the transaction was stopped charging station reset at step 3, then – for the connector involved in the transaction: eventData[0].actualValue Occupied – for other connectors of this EVSE: eventData[0].actualValue Available or Unavailable - Else eventData[0].actualValue "Available" * Step 11: Message: SecurityEventNotificationRequest - type StartupOfTheDevice or ResetOrReboot Post scenario validations: - A message to report the state of a connector has been received for all connectors.

6.2.3. Page 65 - (2026-04) - TC_B_41_CS - Clarification of charging station reboot behaviour with ongoing transactions

The test case has been updated to provide clarity on when the charging station is allowed to reboot. The charging station is expected to reboot either after the transaction has ended or if the transaction ends before the cable is disconnected, once the cable is disconnected.

Test case name	Reset Charging Station - With multiple ongoing transactions - OnIdle
Test case Id	TC_B_41_CS

Main (Test scenario)	
Charging Station	CSMS

Main (Test scenario)	
2. The Charging Station responds with a ResetResponse	1. The Test System sends a ResetRequest with type OnIdle
3. Execute Reusable State StopAuthorized for EVSE.id = 1	
4. Execute Reusable State EVConnectedPostSession for EVSE.id = 1	
5. Execute Reusable State EVDisconnected for EVSE.id = 1	
6. Execute Reusable State ParkingBayUnoccupied for EVSE.id = 1	
Notes(s): The test system will wait the configured max timeout period to ensure the charging station does not reboot at this point.	
7. Execute Reusable State StopAuthorized for EVSE.id = 2	
Notes(s): If the TxStopPoint contains EnergyTransfer, PowerPathClosed, or Authorized: The test system will wait the <Configured Long Operation Time Out> to determine if the charging station resets because the transaction has ended.	
If the charging station resets proceed to step 11. Else proceed with step 8.	
8. Execute Reusable State EVConnectedPostSession for EVSE.id = 2	
Note(s): If TxStopPoint contains one of the following values; Authorized, EnergyTransfer, PowerPathClosed, DataSigned. Then the transaction will have ended at the EVConnectedPostSession state AND the Charging Station will proceed with resetting itself. Proceed to step 11. Else proceed with step 9.	
9. Execute Reusable State EVDisconnected for EVSE.id = 2	
Note(s): If TxStopPoint contains the value EVConnected. Then the transaction will have ended at the EVDisconnected state AND the Charging Station will proceed with resetting itself. Proceed to step 11. Else proceed with step 10.	
10. Execute Reusable State ParkingBayUnoccupied for EVSE.id = 2	
Note(s): The transaction will end at this state, if it was not ended at an earlier state. Proceed to step 11.	
Notes(s): Step 10 will only be executed if TxStopPoint is ParkingBayOccupancy	
11. The Charging Station sends a BootNotificationRequest	12. The Test System responds with a BootNotificationResponse
13. The Charging Station notifies the CSMS about the current state of all connectors.	14. The Test System responds accordingly.

Tool validations
* Step 2: Message ResetResponse - status <i>Scheduled</i> * Step 11: Message BootNotificationRequest - reason <i>ScheduledReset</i> * Step 13: Message: StatusNotificationRequest - If the ~~transaction was stopped~~ charging station reset at step 3 7, then – for the connector involved in the transaction: connectorStatus <i>Occupied</i> – for other connectors of this EVSE: connectorStatus <i>Available</i> or <i>Unavailable</i> - Else connectorStatus <i>Available</i> Message: NotifyEventRequest - eventData[0].trigger <i>Delta</i> - eventData[0].component.name <i>"Connector"</i> - eventData[0].variable.name <i>"AvailabilityState"</i> - If the ~~transaction was stopped~~ charging station reset at step 3 7, then – for the connector involved in the transaction: eventData[0].actualValue <i>Occupied</i> – for other connectors of this EVSE: eventData[0].actualValue <i>Available</i> or <i>Unavailable</i> - Else eventData[0].actualValue <i>"Available"</i>
Post scenario validations: - A message to report the state of a connector has been received for all connectors.

6.2.4. Page 102 - (2026-02) - TC_C_14_CS - Clarifications and Additional tool validations

Test case name	Authorization through authorization cache - GroupID equal to MasterPassGroupId.
Test case Id	TC_C_14_CS
...	

Main (Test scenario)	
Charging Station	CSMS
...	
<u>Note(s)</u> : Step 3, 4, and 5 are only executed if the transaction is still running as determined by the <Configured TxStopPoint> .	

Tool validations
* Step 2: Message TransactionEventRequest - triggerReason <i>StopAuthorized</i> - idToken.idToken <i><Configured masterPass idToken></i> - idToken.type <i><Configured masterPass idTokenType></i> If eventType <i>Ended</i>, then: - transactionInfo.stoppedReason <i>MasterPass</i> * Step 3, 4, 5: Message TransactionEventRequest If eventType <i>Ended</i>, then: - transactionInfo.stoppedReason <i>MasterPass</i>
Post scenario validations: - N/a

6.2.5. Page 107 - (2026-02) - TC_C_17_CS - Corrected wrong triggerReason [1113]

Wrong mention of triggerReason in step 5 has been changed to chargingState. Tool validation steps clarified.

Main (Test scenario)	
Charging Station	CSMS
1. The Test System closes the WebSocket connection AND does not accept a reconnect.	
<u>Manual Action</u> : Present valid idToken which is already configured in the Authorization Cache	
<u>Note(s)</u> : The Test System will wait for 5 seconds	
2. The Test System accepts reconnection attempt from the Charging Station.	
<u>Note(s)</u> : ~~The Charging Station will empty its Transaction message queue. This will contain one or more TransactionEventRequest messages~~	
3. The Charging Station sends a TransactionEventRequest	4. The Test System responds with a TransactionEventResponse with idTokenInfo.status Invalid (if idToken is not omitted)
3. The Charging Stations empties its Transaction message queue: TransactionEventRequest	4. The Test System responds with a TransactionEventResponse
<u>Note(s)</u> : - This will contain one or more TransactionEventRequest messages	<u>Note(s)</u> : - The Test System will respond to the TransactionEventRequest containing the idToken, with idtokenInfo.status Invalid
5. The Charging Station sends a TransactionEventRequest with triggerReason SuspendedEVSE transactionInfo.chargingState SuspendedEVSE	6. The Test System responds with a TransactionEventResponse
<u>Note(s)</u> : Steps 5 & 6 can occur before or during the sending of messages from the offline queue (steps 3 & 4).	

Tool validations
* Step 5: Step 3: Message TransactionEventRequest A message with: All Message(s): TransactionEventRequest - offline must be true One of the Message(s): TransactionEventRequest - triggerReason Authorized - idToken.idToken <Configured valid_idtoken_idtoken> - idToken.type <Configured valid_idtoken_type> - offline ~~True~~ true * Step 5: A message with: - offline false or omitted - transactionInfo.chargingState SuspendedEVSE - triggerReason ChargingStateChanged

6.2.6. Page 96 - 138 - (2026-04) - C Test cases - Updated configuration state

An additional **Configuration State** setting **AuthorizeRemoteStart** to **true** was added to the following test cases:

TC_C_32, TC_C_33, TC_C_34, TC_C_36, TC_C_46, TC_C_37, TC_C_08, TC_C_09, TC_C_12, TC_C_10, TC_C_11, TC_C_13, TC_C_57, TC_C_27, TC_C_28, TC_C_31, TC_C_29, TC_C_30, TC_C_58

This ensures that the test case does not skip the authorization step when executed with a remote **RequestStartTransactionRequest**.

Before (Preparations)
Configuration State: ... AuthorizeRemoteStart is <i>true</i> (If ReadWrite) ...

6.2.7. Page 102 - 143 - (2026-04) - TC_C_14_CS/TC_C_45_CS/TC_C_47_CS/TC_C_48_CS/TC_C_49_CS - Removed configuration variable masterPassGroupId

The <Configured MasterPassGroupId> variable has been removed from the OCTT. The MasterPassGroupId can be generated by the OCTT when the <Configured masterpass_idtoken_idtoken> is received and returned to the charging station as part of the standard **AuthorizeResponse**.

Configuration states have been updated to ensure the Masterpass idToken is configured when necessary.

Before (Preparations)
Configuration State: TxCtrlr.TxStartPoint should contain <i>Authorized</i> or <i>PowerPathClosed</i> and not contain <i>ParkingBayOccupancy</i> or <i>EVConnected</i> ~~AuthCtrlr.MasterPassGroupId is <Configured MasterPassGroupId>~~ Masterpass idToken is configured.

Where applicable the **AuthorizeResponse** and **TransactionEventResponse** have been updated to return the Generated masterPassGroupId.

Main (Test scenario)	
	2. The Test System responds with an AuthorizeResponse with - idTokenInfo.groupIdToken.idToken <Configured masterPassGroupId> <Generated masterPassGroupId>
	4. The Test System responds with a TransactionEventResponse with idTokenInfo.groupIdToken.idToken <Configured masterPassGroupId> <Generated masterPassGroupId>

6.2.8. Page 124 - (2026-02) - TC_C_38_CS - Removed memory state IdTokenCached [1164]

There is no need to call memory state IdTokenCached if the Authorization Cache has been disabled. This has therefore been removed.

Test case name	Clear Authorization Data in Authorization Cache - Rejected
Test case Id	TC_C_38_CS
...	

Before (Preparations)
Configuration State: AuthCacheEnabled is <i>false</i> (If implemented)
Memory State: ~~IdTokenCached for <Configured valid IdToken fields>~~
Reusable State(s): N/a

[...]

NOTE: If the Charging Station supports ISO15118, this testcase needs to be executed using EIM.

6.2.9. Page 150/151 - (2026-02) - TC_C_26_CS - Clarification of main test and tool validation steps.

Main (Test scenario)	
Charging Station	CSMS
1. The Charging Station notifies the CSMS about the current state of all connectors.	2. The Test System responds accordingly.
3. The Charging Station sends a TransactionEventRequest . The Charging Station empties its Transaction message queue: TransactionEventRequest <u>Note(s):</u> - ~~The Charging Station will empty its Transaction message queue.~~ This will contain one or more TransactionEventRequest messages	4. The Test System responds with a TransactionEventResponse <u>Note(s):</u> - The Test System will respond to the TransactionEventRequest containing the idToken, with idtokenInfo.status Invalid
5. The Charging Station sends a TransactionEventRequest <u>Note(s):</u> - This will contain chargingState SuspendedEVSE	6. The Test System responds with a TransactionEventResponse
<u>Note(s):</u> Steps 5 & 6 can occur before or during the sending of messages from the offline queue (steps 3 & 4).	
7. Execute Reusable State <i>StopAuthorized</i>	
8. Execute Reusable State <i>EVConnectedPostSession</i>	
9. Execute Reusable State <i>EVDisconnected</i>	

Tool validations
* Step 1: Message: StatusNotificationRequest - connectorStatus must be <i>Occupied</i> Message: NotifyEventRequest - eventData[0].trigger must be <i>Delta</i> - eventData[0].actualValue must be <i>Occupied</i> - eventData[0].component.name must be <i>Connector</i> - eventData[0].variable.name must be <i>AvailabilityState</i> * Step 3: All Message(s): TransactionEventRequest - offline must be <i>true</i> One of the Message(s): TransactionEventRequest - chargingState must be <i>Charging</i> * Step 4: One of the Message(s): TransactionEventRequest - chargingState must be <i>SuspendedEVSE</i> * Step 5: TransactionEventRequest - chargingState must be <i>SuspendedEVSE</i> Post scenario validations: N/a

6.2.10. Page 162 - (2026-09) - TC_C_127_CS - Test case removed

This testcase was accidentally added to OCPP 2.0.1 part 6, instead of OCPP 2.1 part 6.

6.2.11. Page 159 - (2026-02) - TC_C_55_CS - Explicit mention of offline transactions only

Test case name	Authorization using Contract Certificates 15118 - Offline - ContractValidationOffline is false
Test case Id	TC_C_55_CS
...	

Main (Test scenario)	
Charging Station	CSMS
1. The Test System closes the WebSocket connection AND does not accept a reconnect.	
<u>Manual Action</u> : Drive EV into parking bay.	
<u>Manual Action</u> : Connect the EV and EVSE.	
<u>Note(s)</u> : The tool will wait for ~~<Configured Transaction Duration>~~ 61 seconds (ISO15118-2 timeout).	
2. The Test System accepts the reconnection attempt from the Charging Station after ~~<Configured Transaction Duration>~~ 61 seconds (ISO15118-2 timeout).	
...	

Tool validations
...
Post scenario validations: EV is not authorized and shall not charge: Charging Station does not send ~~TransactionEventRequest~~ with: While offline, the EV is not authorized and shall not charge: Charging Station does not send an TransactionEventRequest with: - offline = true - triggerReason = Authorized or chargingState = Charging

6.2.12. Page 222 - (2026-06) - TC_E_41_CS, TC_E_42_CS, TC_E_50_CS and TC_E_51_CS - retry mechanism applied to TransactionEventRequest after suspending energy transfer on EV side

Due to the complexity of having different TxStartPoints and Charging Station manufacturers also have the option to combine TransactionEvent triggers in some specific cases, it has been decided that it would be easier to test this testcase by using the TransactionEventRequest after suspending energy transfer on EV side.

All:

Before (Preparations)
...
Reusable State(s): ~~State is Authorized~~ ~~State is EVConnectedPreSession~~ State is EnergyTransferStarted
Main (Test scenario)
...

Tool validations
* Step 1: ~~-triggerReason SignedDataReceived~~ * Step 3: ~~-triggerReason ChargingStateChanged~~ ~~-chargingState SuspendedEVSE~~ * Step 5: - Needs to be sent a number of times equal to <Configured message_attempts_transaction_event> with an interval of (<Configured message_attempts_transaction_event_interval> * the number of preceding transmissions of this same message) + OCPPCommCtrlr.MessageTimeout.Default. - The Test System waits an additional MessageAttemptsTransactionEvent iteration where the interval is multiplied again, to validate if the Charging Station stops resending the TransactionRequest message(s).
Post scenario validations: N/a

TC_E_41_CS:

Main (Test scenario)	
Charging Station	CSMS
Manual Action: <i>The EV suspends the energy transfer.</i>	
Note(s): <i>Step 1 is repeated for the configured number of times</i>	
1. The Charging Stations sends a TransactionEventRequest	

TC_E_42_CS:

Main (Test scenario)	
Charging Station	CSMS
Manual Action: <i>The EV suspends the energy transfer.</i>	
Note(s): <i>The tool will ignore the first TransactionEventRequest and respond to the second TransactionEventRequest</i>	
1. The Charging Stations sends a TransactionEventRequest	2. The Test System responds with a TransactionEventResponse

TC_E_50_CS:

Main (Test scenario)	
Charging Station	CSMS
Manual Action: <i>The EV suspends the energy transfer.</i>	
Note(s): <i>Step 1 and 2 is repeated for the configured number of times</i>	
1. The Charging Stations sends a TransactionEventRequest	2. The Test System responds with a CallError with errorCode InternalError

TC_E_51_CS:

Main (Test scenario)	
Charging Station	CSMS
Manual Action: <i>The EV suspends the energy transfer.</i>	
Note(s): <i>The tool will send a CallError with errorCode InternalError to the first TransactionEventRequest and respond to the second TransactionEventRequest with a TransactionEventResponse .</i>	
1. The Charging Stations sends a TransactionEventRequest	2. The Test System responds with a TransactionEventResponse

6.2.13. Page 265 - (2026-04) - TC_G_11_CS - Clarity provided regarding sending status notifications of connectors not in use

Additional note and optional test case steps were added to provide clarity regarding when status notifications of the connectors not in use can be sent.

Test case name	Change Availability EVSE - With ongoing transaction
Test case Id	TC_G_11_CS

Main (Test scenario)	
Charging Station	CSMS
2. The Charging Station responds with a ChangeAvailabilityResponse	1. The Test System sends a ChangeAvailabilityRequest with operationalStatus Inoperative and evse.id <Configured evseld>
3. The Charging Station notifies the CSMS about the current state of the connectors of the configured evse, that are NOT in use.	4. The Test System responds accordingly.
Note(s) : Step 3 and 4 are optional and can be sent by the charging station if it chooses to immediately report the status of connectors of the same EVSE that are NOT in use .	
Note(s): ~~Wait for <Configured Transaction Duration>~~	
5. ~~3.~~ Execute Reusable State <i>StopAuthorized</i>	
6. ~~4.~~ The Charging Station notifies the CSMS about the current state of the connectors of the configured evse.	7. ~~5.~~ The Test System responds accordingly.
8. ~~6.~~ Execute Reusable State <i>EVConnectedPostSession</i>	
9. ~~7.~~ The Charging Station notifies the CSMS about the current state of the connectors of the configured evse.	10. ~~8.~~ The Test System responds accordingly.
11. ~~9.~~ Execute Reusable State <i>EVDisconnected</i>	
12. ~~10.~~ The Charging Station notifies the CSMS about the current state of the connectors of the configured evse.	13. ~~11.~~ The Test System responds accordingly.
14. ~~12.~~ Execute Reusable State <i>ParkingBayUnoccupied</i>	
15. ~~13.~~ The Charging Station notifies the CSMS about the current state of the connectors of the configured evse.	16. ~~14.~~ The Test System responds accordingly.
Note(s): Steps 4, 5, 7, 8, 10, 11, 13, and 14 ~~6, 7, 9, 10, 12, 13, 15, and 16~~ will only be executed if the previous step ended the transaction	
17. The test system will wait the <configured max timeout period>	
Note(s) : If all connectors of the configured evse have not yet reported their status, the test system will wait for the configured max timeout period to receive them.	

Tool validations

* Step 2:

Message **ChangeAvailabilityResponse**

- **status** *Scheduled*

* Step 3:

For all connectorId's of the Configured evseld not in use:

Message: **StatusNotificationRequest**

- **connectorStatus** *Unavailable*

- **evseld** *<Configured evseld>*

- **connectorId** Not *<Configured connectorId>*

Message: **NotifyEventRequest**

- **eventData[0].trigger** *Delta*

- **eventData[0].actualValue** *"Unavailable"*

- **eventData[0].component.name** *"Connector"*

- **eventData[0].variable.name** *"AvailabilityState"*

- **eventData[0].component.evse.id** *<Configured evseld>*

- **eventData[0].component.evse.connectorId** Not *<Configured connectorId>*

* Step 6, 9, 12, 15: ~~Step 4, 7, 10, 13:~~

Message: **StatusNotificationRequest**

- **connectorStatus** *Unavailable*

- **evseld** *<Configured evseld>*

- ~~**connectorId** *<Configured connectorId>*~~

- ~~when applicable this is also sent for other connectors of the same EVSE~~

Message: **NotifyEventRequest**

- **eventData[0].trigger** *Delta*

- **eventData[0].actualValue** *"Unavailable"*

- **eventData[0].component.name** *"Connector"*

- **eventData[0].variable.name** *"AvailabilityState"*

- **eventData[0].component.evse.id** *<Configured evseld>*

- ~~**eventData[0].component.evse.connectorId** *<Configured connectorId>*~~

- ~~when applicable this is also sent for other connectors of the same EVSE~~

Post scenario validations:

- A message to report the state of a connector has been received for all connectors *of the configured EVSE*.

6.2.14. Page 269 - (2026-04) - TC_G_14_CS - Clarity provided regarding sending status notifications of connectors not in use

Additional note added to provide clarity regarding when status notifications of the connectors not in use can be sent.

Test case name	Change Availability Charging Station - Operative to operative
Test case Id	TC_G_12_CS

Main (Test scenario)	
Charging Station	CSMS
2. The Charging Station responds with a ChangeAvailabilityResponse	1. The Test System sends a ChangeAvailabilityRequest with operationalStatus <i>Inoperative</i>
3. The Charging Station notifies the CSMS about the current state of the connectors of the EVSEs that do not have an active transaction.	4. The Test System responds accordingly.
Note(s): <i>Step 3 and 4 are optional and can be sent by the charging station if it chooses to immediately report the status of connectors of the EVSEs that are NOT in use.</i>	
Note(s): <i>Wait for ~~<Configured Transaction Duration>~~</i>	
5. Execute Reusable State <i>StopAuthorized</i>	

Main (Test scenario)
...
Note(s): Steps 6, 7, 9, 10, 12, 13, 15, and 16 will only be executed if the previous step ended the transaction
17. The test system will wait the <configured max timeout period>
Note(s): If all connectors of the configured evse have not yet reported their status, the test system will wait for the configured max timeout period to receive them.

Tool validations
* Step 2: Message ChangeAvailabilityResponse - status <i>Scheduled</i> * Step 3: For all connectorId's and evseld's not in use: Message: StatusNotificationRequest - connectorStatus <i>Unavailable</i> - evseld Not <configured evseld> AND connectorId Not <configured connectorId> Message: NotifyEventRequest - eventData[0].trigger <i>Delta</i> - eventData[0].actualValue <i>"Unavailable"</i> - eventData[0].component.name <i>"Connector"</i> - eventData[0].variable.name <i>"AvailabilityState"</i> - eventData[0].component.evse.id Not <configured evseld> AND eventData[0].component.evse.connectorId Not <configured connectorId> * Step 7, 10, 13, 16: Message: StatusNotificationRequest - connectorStatus <i>Unavailable</i> - evseld not 0 - connectorId not 0 Message: NotifyEventRequest - eventData[0].trigger <i>Delta</i> - eventData[0].actualValue <i>"Unavailable"</i> - eventData[0].component.name <i>"Connector"</i> - eventData[0].variable.name <i>"AvailabilityState"</i>

6.2.15. Page 274 - (2026-06) - TC_G_17_CS - Updated tool and post scenario validations

The post scenario validation is not applicable for change availability at a connector level and has therefore been removed.

Step 7 validations for other status notifications on the same EVSE have been removed. The charging station will **not** report *Unavailable* for the other connectors of the same EVSE, when a specific connector receives a change availability request.

Test case name	Change Availability Connector - With ongoing transaction
Test case Id	TC_G_17_CS
...	

Tool validations * Step 2: Message ChangeAvailabilityResponse - status <i>Scheduled</i> * Step 7: Message: StatusNotificationRequest - connectorStatus <i>Unavailable</i> - evseld <i><Configured evseld></i> - connectorId <i><Configured connectorId></i> - ~~when applicable this is also sent for other connectors of the same EVSE~~ Message: NotifyEventRequest - eventData[0].trigger <i>Delta</i> - eventData[0].actualValue <i>"Unavailable"</i> - eventData[0].component.name <i>"Connector"</i> - eventData[0].component.evse <i>not omit</i> - eventData[0].component.evse.id <i><Configured evseld></i> - eventData[0].component.evse.connectorId <i><Configured connectorId></i> - eventData[0].variable.name <i>"AvailabilityState"</i> - ~~when applicable this is also sent for other connectors of the same EVSE~~ Post scenario validations: - A message to report the state of a connector has been received for all connectors. N/a

6.2.16. Page 401 - (2026-02) - TC_L_07_CS - Path to non-existent firmware updated

Test case name	Secure Firmware Update - DownloadFailed
Test case Id	TC_L_07_CS
...	

Main (Test scenario)	
Charging Station	CSMS
2. The Charging Station responds with a UpdateFirmwareResponse	1. The Test System sends a UpdateFirmwareRequest with firmware.installDateTime <i><Current DateTime - 2 hours></i> firmware.location <i>"does_not_exist_download" + <Configured firmware location> + "_does_not_exist"</i> firmware.retrieveDateTime <i><Current DateTime - 2 hours></i> firmware.signingCertificate <i><Configured signingCertificate></i> firmware.signature <i><Configured signature></i> <u>Note(s) :</u> - The firmware location is mutated such that "does_not_exist_download" is pre-appended to the file path.
...	

6.2.17. Page 337 - 384 - (2026-06) - Renamed Configuration variable

The configuration variable *<Configured max time deviation>* was renamed to *<Configured max clock deviation>*.

The following test cases were updated:

TC_K_09_CS, TC_K_21_CS, TC_K_22_CS, TC_K_23_CS, TC_K_28_CS, TC_K_39_CS, TC_K_40_CS, TC_K_41_CS, TC_K_56_CS

6.2.18. Page 737 - (2026-02) - TC_N_52_CS - NotifyEvent steps added

Test case name	Set Variable Monitoring - Removing a VariableMonitor
Test case Id	TC_N_52_CS
...	

Main (Test scenario)	
Charging Station	CSMS
1. Execute Reusable State <i>EnergyTransferStarted</i> or manually trigger the monitor. <i>Notes: If componentVariable is set to "Power" or "Current" EnergyTransferStarted will trigger the monitor. If another componentVariable is chosen a manual action is needed to trigger the monitor.</i>	
2. Charging Station sends a NotifyEventRequest	3. Test System responds with a NotifyEventResponse
3. 5. The Charging Station responds with a ClearVariableMonitoringResponse	2. 4. The Test System sends a ClearVariableMonitoringRequest with id <monitoringId of monitor set in Memory State>
5. 7. The Charging Station responds with a GetMonitoringReportResponse	4. 6. The Test System sends a GetMonitoringReportRequest with componentVariable.component <Configured threshold monitor component variable> componentVariable.variable <Configured threshold monitor component variable> monitoringCriteria ThresholdMonitoring
8. Execute Reusable State <i>StopAuthorized</i> or manually trigger the monitor. <i>Notes: If componentVariable is set to "Power" or "Current" EnergyTransferStarted will trigger the monitor. If another componentVariable is chosen a manual action is needed to trigger the monitor.</i>	
<u>Note:</u> The Charging Station should not send a request NotifyEventRequest for the cleared monitor	

Tool validations
* Step 1: Step 2: Message NotifyEventRequest - eventData[0].trigger Alerting - eventData[0].component <Configured threshold monitor component variable> - eventData[0].variable <Configured threshold monitor component variable> - eventData[0].variableMonitoringId <monitoringId of monitor set in Memory State>
* Step 3: Step 5: Message ClearVariableMonitoringResponse - clearMonitoringResult[0].status Accepted AND - clearMonitoringResult[0].id <monitoringId of monitor set in Memory State>
* Step 5: Step 7: Message GetMonitoringReportResponse - getMonitoringResult[0].status EmptyResultSet

6.2.19. Page 449 - (2026-02) - TC_M_24_CS - GetCertificateStatusRequest is not intended to be sent for the V2G leaf certificate

Updated note

	Text
Old	<u>Note(s)</u> : Step 1/2 are repeated for the V2G Charging Station (leaf), the subCA1 and subCA2 certificates.
New	<u>Note(s)</u> : - Step 1/2 are executed for both subCA1 and subCA2. - Step 1/2 are not intended to be executed for the V2G Charging Station (leaf), but it is not disallowed.

6.2.20. Page 552 - (2026-02) - TC_O_24_CS - Additions to tool validations

Test case name	Set Display Message - Second Alwaysfront priority
Test case Id	TC_O_24_CS
...	

Main (Test scenario)	
Charging Station	CSMS
2. The Charging Station responds with a SetDisplayMessageResponse	1. The Test System sends a SetDisplayMessageRequest with message.id <Generated displayMessageId> message.priority AlwaysFront
4. The Charging Station responds with a SetDisplayMessageResponse	3. The Test System sends a SetDisplayMessageRequest with message.id <Configured displayMessage2Id> message.priority AlwaysFront
6. The Charging Station responds with a GetDisplayMessagesResponse	5. The Test System sends a GetDisplayMessagesRequest with id <Configured displayMessageId>
6- 8. The Charging Station responds with a GetDisplayMessagesResponse	5- 7. The Test System sends a GetDisplayMessagesRequest with id <Configured displayMessage2Id>
7- 9. The Charging Station sends a NotifyDisplayMessagesRequest	8- 10. The Test System responds with a NotifyDisplayMessagesResponse .
Note(s): - If tbc is True at Step 7 9 then step 7 9 and 8 10 will be repeated - The message from step 1 is NOT displayed anymore and is replaced by the message from step 5 7.	

Tool validations
* Step 2: Message SetDisplayMessageResponse - status Accepted * Step 4: Message SetDisplayMessageResponse - status Accepted * Step 6: Message GetDisplayMessagesResponse - status Unknown * Step 6: Step 8: Message GetDisplayMessagesResponse - status Accepted * Step 7: Step 9: Message NotifyDisplayMessagesRequest - requestId <Generated requestId>
Post scenario validations: - N/a

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6.2.21. Page 585 - (2026-02) - Reusable state Booted now accepts StatusNotification Unavailable [1162]

Booted

State	Booted
System under test	Charging Station

State	Booted
Description	This state will reset or power cycle the Charging Station, depending on the testcase. The charging station ends in a state where it is booted back up and is in idle mode.

Before (Preparations)	
Configuration State:	N/a
Memory State:	N/a
Reusable State(s):	N/a

Main (Test scenario)	
Charging Station	CSMS
Manual Action: Power cycle the Charging Station. OR execute step 1 and 2, depending on the testcase.	
2. The Charging Station responds with a ResetResponse with status Accepted	1. The Test System sends a ResetRequest
3. The Charging Station notifies the CSMS about the unavailability of all connectors. <u>Note:</u> This step is optional.	4. The Test System responds accordingly.
5. The Charging Station sends a BootNotificationRequest	6. The Test System responds with a BootNotificationResponse with status Accepted
7. The Charging Station notifies the CSMS about the current state of all connectors.	8. The Test System responds accordingly.
9 The Charging Station sends a SecurityEventNotificationRequest	10 The Test System responds with a SecurityEventNotificationResponse

Tool validations

* Step 2:

Message: **ResetResponse**

- **status** *Accepted*

* Step 3:

Message: **StatusNotificationRequest**

- **connectorStatus** *Unavailable*

- **evseld** not 0

- **connectorId** not 0

Message: **NotifyEventRequest**

- **eventData[0].trigger** *Delta*

- **eventData[0].actualValue** *"Unavailable"*

- **eventData[0].component.name** *"Connector"*

- **eventData[0].variable.name** *"AvailabilityState"*

* Step 7:

Message: **StatusNotificationRequest**

- **connectorStatus** *Available*

- **evseld** not 0

- **connectorId** not 0

Message: **NotifyEventRequest**

- **eventData[0].trigger** *Delta*

- **eventData[0].actualValue** *"Available"*

- **eventData[0].component.name** *"Connector"*

- **eventData[0].variable.name** *"AvailabilityState"*

* Step 9:

Message: **SecurityEventNotificationRequest**

- **type** must be *StartupOfTheDevice* OR *ResetOrReboot*

Post scenario validations:

State is *Booted*

6.3. CSMS

6.3.1. Page 668 - 670 - (2026-04) -

TC_C_47_CSMS/TC_C_48_CSMS/TC_C_49_CSMS - Removed configuration variable masterPassGroupld

The <Configured MasterPassGroupld> variable has been removed from the OCTT. The MasterPassGroupld can be provided to the OCTT by the CSMS through a **SetVariableRequest**.

Main (Test scenario)	
Charging Station	CSMS
Manual action : trigger CSMS to set the masterPassGroupld	
2. The Charging Station responds with SetVariablesResponse with attributeStatus = Accepted	1. Test System sends SetVariablesRequest with: - variable.name = "MasterPassGroupld" - component.name = "AuthCtrlr" - attributeValue = <Specified masterPassGroupld>

Where applicable tool validations mentioning <Configured masterPassGroupld> were replace with the masterPassGroupld specified through the **SetVariablesRequest**

Tool validations
* Step 4: Message AuthorizeResponse - idTokenInfo.groupIdToken.idToken <Configured masterPassGroupld> <masterPassGroupld from step 1>
* Step 6: Message TransactionEventResponse - idTokenInfo.groupIdToken.idToken <Configured masterPassGroupld> <masterPassGroupld from step 1>
Post scenario validations: - N/a

6.3.2. Page 672 - (2026-06) - TC_C_51_CSMS - Corrected OSCP response and removed post scenario validations

The OSCP response was previously incorrectly marked as valid, this has now been corrected to indicate a revoked status.

Post-scenario validations have been removed, as they are not applicable to the CSMS.

Test case name	Authorization using Contract Certificates 15118 - Online - Local contract certificate validation - Rejected
Test case Id	TC_C_51_CSMS
...	

Main (Test scenario)	
Charging Station	CSMS
1. The Test System sends an AuthorizeRequest With idToken.idToken <Configured valid_idtoken_idtoken> idToken.type <Configured valid_idtoken_type> iso15118CertificateHashData contains <hashes from configured (V2G) certificate chain	2. The CSMS sends an OSCP request to responder URL of iso15118CertificateHashData to check validity
3. The Test System OSCP service responds that certificate is valid revoked .	4. The CSMS responds with a AuthorizeResponse

Tool validations
...

Tool validations
Post scenario validations: EV is not authorized and shall not charge: Charging Station does not send ~~TransactionEventRequest~~ with: ~~-triggerReason = Authorized or -chargingState = Charging~~ N/a

6.3.3. Page 842/843 - (2026-09) - TC_M_26_CSMS / TC_M_28_CSMS - Included iso15118SchemaVersion information

Test case Id	TC_M_26_CSMS / TC_M_28_CSMS
...	

Main (Test scenario)	
Charging Station	CSMS
1. The Test System sends a Get15118EVCertificateRequest With action <i>Update</i> iso15118SchemaVersion urn:iso:15118:2:2013:MsgDef	2. The CSMS responds with a Get15118EVCertificateResponse