# (normative) Protocol Implementation Conformance Statements (PICS) proforma for IEEE Std 1609.2.1-2020

## Instructions for completing the PICS proforma

### General structure of the PICS proforma

The first parts of the PICS proforma, Implementation identification and Protocol summary, are to be completed as indicated with the information necessary to identify fully both the supplier and the implementation.

The main part of the PICS proforma is a fixed questionnaire, divided into subclauses, each containing several individual items. Answers to the questionnaire items are to be provided in the rightmost column, either by simply marking an answer to indicate a restricted choice (usually Yes or No) or by entering a value or a set or a range of values. If there are items where two or more choices from a set of possible answers may apply, all relevant choices are to be marked.

Each item is identified by an item reference in the first column. The second column contains the question to be answered. The third column contains the reference or references to the material that specifies the item in the main body of this document. The remaining columns record the status of each item, that is, whether support is mandatory, optional, or conditional, and provide the space for the answers. Marking an item as supported is to be interpreted as a statement that all relevant requirements of the subclauses and normative annexes, cited in the References column for the item, are met by the implementation.

A supplier may also provide, or be required to provide, further information, categorized as either Additional Information or Exception Information. When present, each kind of further information is to be provided in a further subclause of items labeled A<I> or X<I>, respectively, for cross-referencing purposes, where <I> is any unambiguous identification for the item (e.g., simply a numeral). There are no other restrictions on its format or presentation.

A completed PICS proforma, including any Additional Information and Exception Information, is the PICS for the implementation in question.

NOTE—Where an implementation is capable of being configured in more than one way, a single PICS may be able to describe all such configurations. However, the supplier has the choice of providing more than one PICS, each covering some subset of the implementation’s capabilities, if this makes for easier and clearer presentation of the information.

### Additional information

Items of Additional Information allow a supplier to provide further information intended to assist in the interpretation of the PICS. It is not intended or expected that a large quantity of information will be supplied, and a PICS can be considered complete without any such information. Examples of such Additional Information might be an outline of the ways in which an (single) implementation can be set up to operate in a variety of environments and configurations, or information about aspects of the implementation that are outside the scope of this document and have a bearing upon the answers to some items.

References to items of Additional Information may be entered next to any answer in the questionnaire and may be included in items of Exception Information.

### Exception information

It may happen occasionally that a supplier may wish to answer an item with mandatory status (after any conditions have been applied) in a way that conflicts with the indicated requirement. No preprinted answer will be found in the Support column for this. Instead, the supplier shall write the missing answer into the Support column, together with an X<I> reference to an item of Exception Information, and shall provide the appropriate rationale in the Exception Information item itself.

An implementation for which an Exception Information item is required in this way does not conform to this document.

NOTE—A possible reason for the situation described above is that a defect in this document has been reported, a correction for which is expected to change the requirement not met by the implementation.

### Conditional status

The PICS proforma contains several conditional items. These are items for which both the applicability of the item itself, and its status if it does apply, mandatory or optional, are dependent upon whether or not certain other items are supported.

A conditional symbol is of the form “<pred>:<S>”, where “<pred>” is a predicate as specified below, and “<S>” is one of the status symbols C, M, or O.

If the value of the predicate is true, the conditional item is applicable, and its status is given by S, then the support column is to be completed in the usual way. Otherwise, the conditional item is not relevant.

A predicate is one of the following:

* An item-reference for an item in the PICS proforma: The value of the predicate is true if the item is marked as supported, and is false otherwise.
* A Boolean expression constructed by combining item-references using the boolean operator OR: The value of the predicate is true if one or more of the items is marked as supported, and is false otherwise. For compactness, item-references combined with a comma are considered to be combined with the OR operator.
* An item-reference or combination of item references as described in the previous two dashed items, followed by “<rel> <num>”, such that:
* The relationship “<rel>” is “<”, “”, or “>”, indicating “less than”, “equal to”, or “greater than” <num>.
* The number “<num>” is an integer.
* The predicate is true if the item-reference is true as defined above and the value defined in the item body matches the numeric relationship indicated by “<rel> <num>”, and the predicate is false if either the item-reference is not true as defined above or the value defined in the item body does not match the numeric relationship indicated by “<rel> <num>.
* A status of C<n> indicates a mutual conditionality such that support of one and one only of the items that have the same predicate and status C<n> is mandatory.

A status of O<n> indicates a mutual conditionality such that the feature is optional and that support of at least one of the items that have the same predicate and status O<n> is mandatory.

A status of M indicates that the feature is mandatory.

A status of O indicates that the feature is optional.

## PICS proforma—IEEE Std 1609.2.1[[1]](#footnote-1)

### Identification

Only the first three items are required for all implementations. Other information may be completed as appropriate in meeting the requirement for full identification.

The terms *name* and *version* should be interpreted appropriately to correspond with a supplier’s terminology (e.g., type, series, and model).

|  |  |
| --- | --- |
| Supplier |  |
| Contact point for queries about the PICS |  |
| Implementation name(s) and version(s) |  |
| Other information necessary for full identification, for example, name(s) and version(s) of the machines and/or operating systems(s), system names |  |

### Protocol summary

|  |  |
| --- | --- |
| Identification of protocol standard | IEEE Std 1609.2.1 |
| Identification of amendments and corrigenda to this PICS proforma that have been completed as part of this PICS | Amd.: Corr.:  Amd.: Corr.: |
| Have any exception items been required? (See A.1.3; the answer *Yes* means that the implementation does not conform to IEEE Std 1609.2.1) | □Yes □No |
| Date of statement (dd/mm/yy) |  |

### Conformance statement

#### Security services

This table presents a list of the security functionality that an implementation may claim to support.

| Item | Security configuration  (top-level) | Reference | Status | Support |
| --- | --- | --- | --- | --- |
| S1 | Support certificate management |  | O | □Yes □No |
| ECA – EE interface | | | | |
| S1.1 | Support the ECA – EE interface | 6.3.4 | S1: O1 | □Yes □No |
| S1.1.1 | Support enrollment certificate request and download | 6.3.4.2 | S1.1: M | □Yes □No |
| S1.1.1.1 | Support session level parameters | 4.3.3 | S1.1.1: M | □Yes □No |
| S1.1.1.1.1 | ECA authentication | Table 2 | S1.1.1.1: M | □Yes □No |
| S1.1.1.1.1.1 | Using ISO/TS 21177  (session-scmsAuth = iso21177) | Table 2 | S1.1.1.1.1: O2 | □Yes □No |
| S1.1.1.1.1.2 | Using physically secure environment (session-scmsAuth = physical) | Table 2 | S1.1.1.1.1: O2 | □Yes □No |
| S1.1.1.1.1.3 | Using TLS 1.2  (session-scmsAuth = tls1.2) | Table 2 | S1.1.1.1.1: O2 | □Yes □No |
| S1.1.1.1.1.4 | Using TLS 1.3  (session-scmsAuth = tls1.3) | Table 2 | S1.1.1.1.1: O2 | □Yes □No |
| S1.1.1.1.1.5 | Using another method not specified here | 4.3.3 | S1.1.1.1.1: O2 | Reference to the used method: ( text ) |
| S1.1.1.1.2 | EE authentication | Table 2 | S1.1.1.1: O | □Yes □No |
| S1.1.1.1.2.1 | Using physically secure environment (session-eeAuth = physical) | Table 2 | S1.1.1.1.2: O3 | □Yes □No |
| S1.1.1.1.2.2 | Using another method not specified here | 4.3.3 | S1.1.1.1.2: O3 | Reference to the used method: ( text ) |
| S1.1.1.2 | Support Web API level parameters | 4.3.4 | S1.1.1: M | □Yes □No |
| S1.1.1.2.1 | Web API name | Table 3 | S1.1.1.2: M | □Yes □No |
| S1.1.1.2.1.1 | Support the SCMS REST API v2 (webApi-name = scmsV2) | Table 3 | S1.1.1.2.1: O4 | □Yes □No |
| S1.1.1.2.1.2 | Support another API not specified here | 4.3.4 | S1.1.1.2.1: O4 | Reference to the API specification: ( text ) |
| S1.1.1.2.2 | EE authentication | Table 3 | S1.1.1.2: O | □Yes □No |
| S1.1.1.2.2.1 | Using OAuth 2.0 bearer authorization (webApi-eeAuth = oAuth2.0) | Table 3 | S1.1.1.2.2: O3 | □Yes □No |
| S1.1.1.2.2.2 | Using another method not specified here | 4.3.4 | S1.1.1.2.2: O3 | Reference to the used method: ( text ) |
| S1.1.1.3 | Support SCMS REST API v2-specific parameters | 4.3.5 | S1.1.1.2.1.1: M | □Yes □No |
| S1.1.1.3.1 | EE authentication | Table 4 | S1.1.1.3: O | □Yes □No |
| S1.1.1.3.1.1 | Using a valid canonical key  (scmsV2-eeAuth = canonical) | Table 4 | S1.1.1.3.1: O3 | □Yes □No |
| S1.1.1.3.1.2 | Using another method not specified here | 4.3.5 | S1.1.1.3.1: O3 | Reference to the used method: ( text ) |
| S1.1.1.3.2 | Error | Table 4 | S1.1.1.3: M | □Yes □No |
| S1.1.1.3.2.1 | Errors returned are coarse-grained, that is, HTTP 500 (scmsV2-error = coarse) | Table 4 | S1.1.1.3.2: O5 | □Yes □No |
| S1.1.1.3.2.2 | Errors returned are fine-grained, that is, specific to error condition  (scmsV2-error = fine) | Table 4 | S1.1.1.3.2: O5 | □Yes □No |
| S1.1.1.3.2.3 | Another variant not specified here | 4.3.5 | S1.1.1.3.2: O5 | Reference to the used variant: ( text ) |
| S1.1.1.3.3 | HTTP optional headers | Table 4 | S1.1.1.3: O | □Yes □No |
| S1.1.1.3.3.1 | Support If-Unmodifed-Since | 4.3.5 | S1.1.1.3.3: O | □Yes □No |
| S1.1.1.3.3.2 | Support Range | 4.3.5 | S1.1.1.3.3: O | □Yes □No |
| S1.1.1.3.3.3 | Support other headers not listed here | 4.3.5 | S1.1.1.3.3: O | Reference to the used headers: ( text ) |
| S1.1.1.4 | Generate enrollment certificate request | 6.3.4.2 | S1.1.1: O6 | □Yes □No |
| S1.1.1.4.1 | Create EeEcaCertRequestSpdu | 7.4.9 | S1.1.1.4: O7 | □Yes □No |
| S1.1.1.4.1.1 | With the field canonicalId in EeEcaCertRequest absent | 7.3.26 | S1.1.1.4.1: O8, S1.1.1.1.2.1: M | □Yes □No |
| S1.1.1.4.1.2 | With the field canonicalId in EeEcaCertRequest present | 7.3.26 | S1.1.1.4.1: O8, S1.1.1.3.1.1: M | □Yes □No |
| S1.1.1.4.2 | Create another PDU not specified here | 7 | S1.1.1.4: O7 | Reference to the created PDU: ( text ) |
| S1.1.1.5 | Receive enrollment certificate request | 6.3.4.2 | S1.1.1: O6 | □Yes □No |
| S1.1.1.5.1 | Specify the values of ECA request parameters | Table 5 | S1.1.1.5: M | □Yes □No |
| S1.1.1.5.1.1 | Value of eca-maxAge | Table 5 | S1.1.1.5.1: M | □Yes □No |
| S1.1.1.5.1.2 | Value of eca-maxReqs | Table 5 | S1.1.1.5.1: M | □Yes □No |
| S1.1.1.5.1.3 | Value of eca-maxWait | Table 5 | S1.1.1.5.1: M | □Yes □No |
| S1.1.1.5.1.4 | Value of eca-minWait | Table 5 | S1.1.1.5.1: M | □Yes □No |
| S1.1.1.5.1.5 | Value of other parameters not listed here | 4.3.6 | S1.1.1.5.1: O | Reference to the parameters: ( text ) |
| S1.1.1.5.2 | Verify EeEcaCertRequestSpdu | 7.4.9 | S1.1.1.5: O9 | □Yes □No |
| S1.1.1.5.3 | Verify the PDU in S1.1.1.4.2 |  | S1.1.1.5: O9 | □Yes □No |
| S1.1.1.6 | Generate enrollment certificate response | 6.3.4.2 | S1.1.1.5: M | □Yes □No |
| S1.1.1.6.1 | Create EcaEeCertResponseSpdu | 7.4.8 | S1.1.1.6: O10 | □Yes □No |
| S1.1.1.6.2 | Create another PDU not specified here | 7 | S1.1.1.6: O10 | Reference to the created PDU: ( text ) |
| S1.1.1.7 | Receive enrollment certificate response | 6.3.4.2 | S1.1.1.4: M | □Yes □No |
| S1.1.1.7.1 | Verify EcaEeCertResponseSpdu | 7.4.8 | S1.1.1.7: O11 | □Yes □No |
| S1.1.1.7.2 | Verify the PDU in S1.1.1.6.2 | 7 | S1.1.1.7: O11 | □Yes □No |
| EE – RA interface | | | | |
| S1.2 | Support the EE – RA interface | 6.3.5 | S1: O1 | □Yes □No |
| EE – RA: authorization certificate request | | | | |
| S1.2.1 | Support authorization certificate request | 6.3.5.2 | S1.2: O20 | □Yes □No |
| S1.2.1.1 | Support session level parameters | 4.3.3 | S1.2.1: M | □Yes □No |
| S1.2.1.1.1 | RA authentication | Table 2 | S1.2.1.1: M | □Yes □No |
| S1.2.1.1.1.1 | Using ISO/TS 21177  (session-scmsAuth = iso21177) | Table 2 | S1.2.1.1.1: O21 | □Yes □No |
| S1.2.1.1.1.2 | Using TLS 1.2  (session-scmsAuth = tls1.2) | Table 2 | S1.2.1.1.1: O21 | □Yes □No |
| S1.2.1.1.1.3 | Using TLS 1.3  (session-scmsAuth = tls1.3) | Table 2 | S1.2.1.1.1: O21 | □Yes □No |
| S1.2.1.1.1.4 | Using another method not specified here | 4.3.3 | S1.2.1.1.1: O21 | Reference to the used method: ( text ) |
| S1.2.1.1.2 | EE authentication | Table 2 | S1.2.1.1: O | □Yes □No |
| S1.2.1.1.2.1 | Using a valid IEEE 1609.2 enrollment certificate (session-eeAuth = iso21177-enrollment) | Table 2 | S1.2.1.1.2: O | □Yes □No |
| S1.2.1.1.2.2 | Using a valid ITU-T X.509 certificate (session-eeAuth = tls1.2-x.509) | Table 2 | S1.2.1.1.2: O | □Yes □No |
| S1.2.1.1.2.3 | Using a valid ITU-T X.509 certificate (session-eeAuth = tls1.3-x.509) | Table 2 | S1.2.1.1.2: O | □Yes □No |
| S1.2.1.1.2.4 | Using another method not specified here | 4.3.3 | S1.2.1.1.2: O | Reference to the used method: ( text ) |
| S1.2.1.2 | Support Web API level parameters | 4.3.4 | S1.2.1: M | □Yes □No |
| S1.2.1.2.1 | Web API name | Table 3 | S1.2.1.2: M | □Yes □No |
| S1.2.1.2.1.1 | Support the SCMS REST API v2 (webApi-name = scmsV2) | Table 3 | S1.2.1.2.1: O22 | □Yes □No |
| S1.2.1.2.1.2 | Support another API not specified here | 4.3.4 | S1.2.1.2.1: O22 | Reference to the API specification: ( text ) |
| S1.2.1.2.2 | EE authentication | Table 3 | S1.2.1.2: O | □Yes □No |
| S1.2.1.2.2.1 | Using OAuth 2.0 bearer authorization (webApi-eeAuth = oAuth2.0) | Table 3 | S1.2.1.2.2: O | □Yes □No |
| S1.2.1.2.2.2 | Using another method not specified here | 4.3.4 | S1.2.1.2.2: O | Reference to the used method: ( text ) |
| S1.2.1.3 | Support SCMS REST API v2-specific parameters | 4.3.5 | S1.2.1.2.1.1: M | □Yes □No |
| S1.2.1.3.1 | EE authentication | Table 4 | S1.2.1.3: M | □Yes □No |
| S1.2.1.3.1.1 | Using a valid IEEE 1609.2 enrollment certificate (scmsV2-eeAuth = enrollment) | Table 4 | S1.2.1.3.1: O23 | □Yes □No |
| S1.2.1.3.1.2 | Using a valid ITU-T X.509 certificate (scmsV2-eeAuth = x.509) | Table 4 | S1.2.1.3.1: O23 | □Yes □No |
| S1.2.1.3.1.3 | Using another method not specified here | 4.3.5 | S1.2.1.3.1: O23 | Reference to the used method: ( text ) |
| S1.2.1.3.2 | Error | Table 4 | S1.2.1.3: M | □Yes □No |
| S1.2.1.3.2.1 | Errors returned are coarse-grained, that is, HTTP 500 (scmsV2-error = coarse) | Table 4 | S1.2.1.3.2: O24 | □Yes □No |
| S1.2.1.3.2.2 | Errors returned are fine-grained, that is, specific to error condition  (scmsV2-error = fine) | Table 4 | S1.2.1.3.2: O24 | □Yes □No |
| S1.2.1.3.2.3 | Another variant not specified here | 4.3.5 | S1.2.1.3.2: O24 | Reference to the used variant: ( text ) |
| S1.2.1.3.3 | HTTP optional headers | Table 4 | S1.2.1.3: O | □Yes □No |
| S1.2.1.3.3.1 | Support If-Unmodifed-Since | 4.3.5 | S1.2.1.3.3: O | □Yes □No |
| S1.2.1.3.3.2 | Support Range | 4.3.5 | S1.2.1.3.3: O | □Yes □No |
| S1.2.1.3.3.3 | Support other headers not listed here | 4.3.5 | S1.2.1.3.3: O | Reference to the used headers: ( text ) |
| S1.2.1.4 | Generate authorization certificate request | 6.3.5.2 | S1.2.1: O25 | □Yes □No |
| S1.2.1.4.1 | Create EeRaCertRequestSpdu | 7.4.10 | S1.2.1.4: O26 | □Yes □No |
| S1.2.1.4.1.1 | With the field addtionalParams in EeRaCertRequest absent | 7.3.30 | S1.2.1.4.1: O27 | □Yes □No |
| S1.2.1.4.1.2 | With the field addtionalParams.original in EeRaCertRequest present | 7.3.30 | S1.2.1.4.1: O27 | □Yes □No |
| S1.2.1.4.1.3 | With the field addtionalParams.unified in EeRaCertRequest present | 7.3.30 | S1.2.1.4.1: O27 | □Yes □No |
| S1.2.1.4.1.4 | With the field addtionalParams.compactUnified in EeRaCertRequest present | 7.3.30 | S1.2.1.4.1: O27 | □Yes □No |
| S1.2.1.4.1.5 | With the field addtionalParams.encryptionKey in EeRaCertRequest present | 7.3.30 | S1.2.1.4.1: O27 | □Yes □No |
| S1.2.1.4.2 | Create another PDU not specified here | 7 | S1.2.1.4: O26 | Reference to the created PDU: ( text ) |
| S1.2.1.5 | Receive authorization certificate request | 6.3.5.2 | S1.2.1: O25 | □Yes □No |
| S1.2.1.5.1 | Specify the values of RA request parameters | Table 6 | S1.2.1.5: M | □Yes □No |
| S1.2.1.5.1.1 | Value of ra-acpcSupport | Table 6 | S1.2.1.5.1: M | □Yes □No |
| S1.2.1.5.1.2 | Value of ra-butterflyType | Table 6 | S1.2.1.5.1: M | □Yes □No |
| S1.2.1.5.1.3 | Value of ra-maxAge | Table 6 | S1.2.1.5.1: M | □Yes □No |
| S1.2.1.5.1.4 | Value of ra-maxGenDelay | Table 6 | S1.2.1.5.1: M | □Yes □No |
| S1.2.1.5.1.5 | Value of ra-maxReqs | Table 6 | S1.2.1.5.1: M | □Yes □No |
| S1.2.1.5.1.6 | Value of ra-maxOverlap | Table 6 | S1.2.1.5.1: M | □Yes □No |
| S1.2.1.5.1.7 | Value of ra-maxPreloadTime | Table 6 | S1.2.1.5.1: M | □Yes □No |
| S1.2.1.5.1.8 | Value of ra-minWait | Table 6 | S1.2.1.5.1: M | □Yes □No |
| S1.2.1.5.1.9 | Value of other parameters not listed here | 4.3.6 | S1.2.1.5.1: O | Reference to the parameters: ( text ) |
| S1.2.1.5.2 | Verify EeRaCertRequestSpdu | 7.4.10 | S1.2.1.5: O28 | □Yes □No |
| S1.2.1.5.3 | Verify the PDU in S1.2.1.4.2 |  | S1.2.1.5: O28 | □Yes □No |
| S1.2.1.6 | Generate authorization certificate request acknowledgment | 6.3.5.2 | S1.2.1.5: M | □Yes □No |
| S1.2.1.6.1 | Create RaEeCertAckSpdu | 7.4.17 | S1.2.1.6: O29 | □Yes □No |
| S1.2.1.6.2 | Create another PDU not specified here | 7 | S1.2.1.6: O29 | Reference to the created PDU: ( text ) |
| S1.2.1.7 | Receive authorization certificate request acknowledgment | 6.3.5.2 | S1.2.1.4: M | □Yes □No |
| S1.2.1.7.1 | Verify RaEeCertAckSpdu | 7.4.17 | S1.2.1.5: O30 | □Yes □No |
| S1.2.1.7.2 | Verify the PDU in S1.2.1.6.2 | 7 | S1.2.1.5: O30 | □Yes □No |
| EE – RA: authorization certificate download | | | | |
| S1.2.2 | Support authorization certificate download | 6.3.5.3 | S1.2.1: M | □Yes □No |
| S1.2.2.1 | Authorization certificate download without filename in URL | 6.3.5.3.1 | S1.2.2: O40 | □Yes □No |
| S1.2.2.2 | Authorization certificate download with filename in URL | 6.3.5.3.2 | S1.2.2: O40 | □Yes □No |
| S1.2.2.3 | Support session level parameters | 4.3.3 | S1.2.2: M | □Yes □No |
| S1.2.2.3.1 | RA authentication | Table 2 | S1.2.2.3: M | □Yes □No |
| S1.2.2.3.1.1 | Using ISO/TS 21177 (session-scmsAuth = iso21177) | Table 2 | S1.2.2.3.1: O41 | □Yes □No |
| S1.2.2.3.1.2 | Using TLS 1.2 (session-scmsAuth = tls1.2) | Table 2 | S1.2.2.3.1: O41 | □Yes □No |
| S1.2.2.3.1.3 | Using TLS 1.3 (session-scmsAuth = tls1.3) | Table 2 | S1.2.2.3.1: O41 | □Yes □No |
| S1.2.2.3.1.4 | Using another method not specified here | 4.3.3 | S1.2.2.3.1: O41 | Reference to the used method: ( text ) |
| S1.2.2.3.2 | EE authentication | Table 2 | S1.2.2.3: O | □Yes □No |
| S1.2.2.3.2.1 | Using a valid IEEE 1609.2 enrollment certificate (session-eeAuth = iso21177-enrollment) | Table 2 | S1.2.2.3.2: O42 | □Yes □No |
| S1.2.2.3.2.2 | Using a valid ITU-T X.509 certificate (session-eeAuth = tls1.2-x.509) | Table 2 | S1.2.2.3.2: O42 | □Yes □No |
| S1.2.2.3.2.3 | Using a valid ITU-T X.509 certificate (session-eeAuth = tls1.3-x.509) | Table 2 | S1.2.2.3.2: O42 | □Yes □No |
| S1.2.2.3.2.4 | Using another method not specified here | 4.3.3 | S1.2.2.3.2: O42 | Reference to the used method: ( text ) |
| S1.2.2.4 | Support Web API level parameters | 4.3.4 | S1.2.2: M | □Yes □No |
| S1.2.2.4.1 | Web API name | Table 3 | S1.2.2.4: M | □Yes □No |
| S1.2.2.4.1.1 | Support the SCMS REST API v2 (webApi-name = scmsV2) | Table 3 | S1.2.2.4.1: O43 | □Yes □No |
| S1.2.2.4.1.2 | Support another API not specified here | 4.3.4 | S1.2.2.4.1: O43 | Reference to the API specification: ( text ) |
| S1.2.2.4.2 | EE authentication | Table 3 | S1.2.2.4: O | □Yes □No |
| S1.2.2.4.2.1 | Using OAuth 2.0 bearer authorization (webApi-eeAuth = oAuth2.0) | Table 3 | S1.2.2.4.2: O42 | □Yes □No |
| S1.2.2.4.2.2 | Using another method not specified here | 4.3.4 | S1.2.2.4.2: O42 | Reference to the used method: ( text ) |
| S1.2.2.5 | Support SCMS REST API v2-specific parameters | 4.3.5 | S1.2.2.4.1.1: M | □Yes □No |
| S1.2.2.5.1 | EE authentication | Table 4 | S1.2.2.5: O | □Yes □No |
| S1.2.2.5.1.1 | Using a valid IEEE 1609.2 enrollment certificate (scmsV2-eeAuth = enrollment) | Table 4 | S1.2.2.5.1: O42 | □Yes □No |
| S1.2.2.5.1.2 | Using another method not specified here | 4.3.5 | S1.2.2.5.1: O42 | Reference to the used method: ( text ) |
| S1.2.2.5.2 | Error | Table 4 | S1.2.2.5: M | □Yes □No |
| S1.2.2.5.2.1 | Errors returned are coarse-grained, that is, HTTP 500 (scmsV2-error = coarse) | Table 4 | S1.2.2.5.2: O44 | □Yes □No |
| S1.2.2.5.2.2 | Errors returned are fine-grained, that is, specific to error condition (scmsV2-error = fine) | Table 4 | S1.2.2.5.2: O44 | □Yes □No |
| S1.2.2.5.2.3 | Another variant not specified here | 4.3.5 | S1.2.2.5.2: O44 | Reference to the used variant: ( text ) |
| S1.2.2.5.3 | HTTP optional headers | Table 4 | S1.2.2.5: O | □Yes □No |
| S1.2.2.5.3.1 | Support If-Unmodifed-Since | 4.3.5 | S1.2.2.5.3: O | □Yes □No |
| S1.2.2.5.3.2 | Support Range | 4.3.5 | S1.2.2.5.3: O | □Yes □No |
| S1.2.2.5.3.3 | Support other headers not listed here | 4.3.5 | S1.2.2.5.3: O | Reference to the used headers: ( text ) |
| S1.2.2.6 | Generate authorization certificate download request | 6.3.5.3 | S1.2.2: O45 | □Yes □No |
| S1.2.2.6.1 | Create EeRaDownloadRequestSpdu | 7.4.14 | S1.2.2.6: O46 | □Yes □No |
| S1.2.2.6.2 | Create another PDU not specified here | 7 | S1.2.2.6: O46 | Reference to the created PDU: ( text ) |
| S1.2.2.7 | Receive authorization certificate download request | 6.3.5.3 | S1.2.2: O45 | □Yes □No |
| S1.2.2.7.1 | Specify the values of download request parameters | Table 7 | S1.2.2.7: M | □Yes □No |
| S1.2.2.7.1.1 | Value of download-maxAge | Table 7 | S1.2.2.7.1: M | □Yes □No |
| S1.2.2.7.1.2 | Value of download-maxReqs | Table 7 | S1.2.2.7.1: M | □Yes □No |
| S1.2.2.7.1.3 | Value of download-minWait | Table 7 | S1.2.2.7.1: M | □Yes □No |
| S1.2.2.7.1.4 | Value of other parameters not listed here | 4.3.6 | S1.2.2.7.1: O | Reference to the parameters: ( text ) |
| S1.2.2.7.2 | Verify EeRaDownloadRequestSpdu | 7.4.14 | S1.2.2.7: O47 | □Yes □No |
| S1.2.2.7.3 | Verify the PDU in S1.2.1.4.2 | 7 | S1.2.2.7: O47 | □Yes □No |
| S1.2.2.8 | Generate authorization certificate response | 6.3.5.3, 8.2 | S1.2.2.7: M | □Yes □No |
| S1.2.2.9 | Receive authorization certificate response | 6.3.5.3, 8.2 | S1.2.2.6: M | □Yes □No |
| EE – RA: successor enrollment certificate request | | | | |
| S1.2.3 | Support successor enrollment certificate request | 6.3.5.4 | S1.2: O20 | □Yes □No |
| S1.2.3.1 | Support session level parameters | 4.3.3 | S1.2.3: M | □Yes □No |
| S1.2.3.1.1 | RA authentication | Table 2 | S1.2.3.1: M | □Yes □No |
| S1.2.3.1.1.1 | Using ISO/TS 21177 (session-scmsAuth = iso21177) | Table 2 | S1.2.3.1.1: O50 | □Yes □No |
| S1.2.3.1.1.2 | Using TLS 1.2 (session-scmsAuth = tls1.2) | Table 2 | S1.2.3.1.1: O50 | □Yes □No |
| S1.2.3.1.1.3 | Using TLS 1.3 (session-scmsAuth = tls1.3) | Table 2 | S1.2.3.1.1: O50 | □Yes □No |
| S1.2.3.1.1.4 | Using another method not specified here | 4.3.3 | S1.2.3.1.1: O50 | Reference to the used method: ( text ) |
| S1.2.3.1.2 | EE authentication | Table 2 | S1.2.3.1: O | □Yes □No |
| S1.2.3.1.2.1 | Using a valid IEEE 1609.2 enrollment certificate (session-eeAuth = iso21177-enrollment) | Table 2 | S1.2.3.1.2: O | □Yes □No |
| S1.2.3.1.2.2 | Using a valid ITU-T X.509 certificate (session-eeAuth = tls1.2-x.509) | Table 2 | S1.2.3.1.2: O | □Yes □No |
| S1.2.3.1.2.3 | Using a valid ITU-T X.509 certificate (session-eeAuth = tls1.3-x.509) | Table 2 | S1.2.3.1.2: O | □Yes □No |
| S1.2.3.1.2.4 | Using another method not specified here | 4.3.3 | S1.2.3.1.2: O | Reference to the used method: ( text ) |
| S1.2.3.2 | Support Web API level parameters | 4.3.4 | S1.2.3: M | □Yes □No |
| S1.2.3.2.1 | Web API name | Table 3 | S1.2.3.2: M | □Yes □No |
| S1.2.3.2.1.1 | Support the SCMS REST API v2 (webApi-name = scmsV2) | Table 3 | S1.2.3.2.1: O51 | □Yes □No |
| S1.2.3.2.1.2 | Support another API not specified here | 4.3.4 | S1.2.3.2.1: O51 | Reference to the API specification: ( text ) |
| S1.2.3.2.2 | EE authentication | Table 3 | S1.2.3.2: O | □Yes □No |
| S1.2.3.2.2.1 | Using OAuth 2.0 bearer authorization (webApi-eeAuth = oAuth2.0) | Table 3 | S1.2.3.2.2: O | □Yes □No |
| S1.2.3.2.2.2 | Using another method not specified here | 4.3.4 | S1.2.3.2.2: O | Reference to the used method: ( text ) |
| S1.2.3.3 | Support SCMS REST API v2-specific parameters | 4.3.5 | S1.2.3.2.1.1: M | □Yes □No |
| S1.2.3.3.1 | EE authentication | Table 4 | S1.2.3.3: M | □Yes □No |
| S1.2.3.3.1.1 | Using a valid IEEE 1609.2 enrollment certificate (scmsV2-eeAuth = enrollment) | Table 4 | S1.2.3.3.1: O52 | □Yes □No |
| S1.2.3.3.1.2 | Using another method not specified here | 4.3.5 | S1.2.3.3.1: O52 | Reference to the used method: ( text ) |
| S1.2.3.3.2 | Error | Table 4 | S1.2.3.3: M | □Yes □No |
| S1.2.3.3.2.1 | Errors returned are coarse-grained, that is, HTTP 500 (scmsV2-error = coarse) | Table 4 | S1.2.3.3.2: O53 | □Yes □No |
| S1.2.3.3.2.2 | Errors returned are fine-grained, that is, specific to error condition  (scmsV2-error = fine) | Table 4 | S1.2.3.3.2: O53 | □Yes □No |
| S1.2.3.3.2.3 | Another variant not specified here | 4.3.5 | S1.2.3.3.2: O53 | Reference to the used variant: ( text ) |
| S1.2.3.3.3 | HTTP optional headers | Table 4 | S1.2.3.3: O | □Yes □No |
| S1.2.3.3.3.1 | Support If-Unmodifed-Since | 4.3.5 | S1.2.3.3.3: O | □Yes □No |
| S1.2.3.3.3.2 | Support Range | 4.3.5 | S1.2.3.3.3: O | □Yes □No |
| S1.2.3.3.3.3 | Support other headers not listed here | 4.3.5 | S1.2.3.3.3: O | Reference to the used headers: ( text ) |
| S1.2.3.4 | Generate successor enrollment certificate request | 6.3.5.4 | S1.2.3: O54 | □Yes □No |
| S1.2.3.4.1 | Create EeRaSuccessorEnrollmentCert RequestSpdu | 7.4.15 | S1.2.3.4: O55 | □Yes □No |
| S1.2.3.4.2 | Create another PDU not specified here | 7 | S1.2.3.4: O55 | Reference to the created PDU: ( text ) |
| S1.2.3.5 | Receive successor enrollment certificate request | 6.3.5.4 | S1.2.3: O54 | □Yes □No |
| S1.2.3.5.1 | Specify the values of RA request parameters | Table 6 | S1.2.3.5: M | □Yes □No |
| S1.2.3.5.1.1 | Value of ra-minWait | Table 6 | S1.2.3.5.1: M | □Yes □No |
| S1.2.3.5.1.2 | Value of other parameters not listed here | 4.3.6 | S1.2.3.5.1: O | Reference to the parameters: ( text ) |
| S1.2.3.5.2 | Verify EeRaSuccessorEnrollmentCert RequestSpdu | 7.4.15 | S1.2.3.5: O56 | □Yes □No |
| S1.2.3.5.3 | Verify the PDU in S1.2.3.4.2 | 7 | S1.2.3.5: O56 | □Yes □No |
| S1.2.3.6 | Generate successor enrollment certificate request acknowledgment | 6.3.5.4 | S1.2.3.5: M | □Yes □No |
| S1.2.3.6.1 | Create RaEeEnrollmentCertAckSpdu | 7.4.20 | S1.2.3.6: O57 | □Yes □No |
| S1.2.3.6.2 | Create another PDU not specified here | 7 | S1.2.3.6: O57 | Reference to the created PDU: ( text ) |
| S1.2.3.7 | Receive successor enrollment certificate request acknowledgment | 6.3.5.4 | S1.2.3.4: M | □Yes □No |
| S1.2.3.7.1 | Verify RaEeEnrollmentCertAckSpdu | 7.4.20 | S1.2.3.5: O58 | □Yes □No |
| S1.2.3.7.2 | Verify the PDU in S1.2.3.6.2 | 7 | S1.2.3.5: O58 | □Yes □No |
| EE – RA: successor enrollment certificate download | | | | |
| S1.2.4 | Support successor enrollment certificate download | 6.3.5.5 | S1.2.3: M | □Yes □No |
| S1.2.4.1 | Support session level parameters | 4.3.3 | S1.2.4: M | □Yes □No |
| S1.2.4.1.1 | RA authentication | Table 2 | S1.2.4.1: M | □Yes □No |
| S1.2.4.1.1.1 | Using ISO/TS 21177  (session-scmsAuth = iso21177) | Table 2 | S1.2.4.1.1: O60 | □Yes □No |
| S1.2.4.1.1.2 | Using TLS 1.2 (session-scmsAuth = tls1.2) | Table 2 | S1.2.4.1.1: O60 | □Yes □No |
| S1.2.4.1.1.3 | Using TLS 1.3 (session-scmsAuth = tls1.3) | Table 2 | S1.2.4.1.1: O60 | □Yes □No |
| S1.2.4.1.1.4 | Using another method not specified here | 4.3.3 | S1.2.4.1.1: O60 | Reference to the used method: ( text ) |
| S1.2.4.1.2 | EE authentication | Table 2 | S1.2.4.1: O | □Yes □No |
| S1.2.4.1.2.1 | Using a valid IEEE 1609.2 enrollment certificate (session-eeAuth = iso21177-enrollment) | Table 2 | S1.2.4.1.2: O61 | □Yes □No |
| S1.2.4.1.2.2 | Using a valid ITU-T X.509 certificate (session-eeAuth = tls1.2-x.509) | Table 2 | S1.2.4.1.2: O61 | □Yes □No |
| S1.2.4.1.2.3 | Using a valid ITU-T X.509 certificate (session-eeAuth = tls1.3-x.509) | Table 2 | S1.2.4.1.2: O61 | □Yes □No |
| S1.2.4.1.2.4 | Using another method not specified here | 4.3.3 | S1.2.4.1.2: O61 | Reference to the used method: ( text ) |
| S1.2.4.2 | Support Web API level parameters | 4.3.4 | S1.2.4: M | □Yes □No |
| S1.2.4.2.1 | Web API name | Table 3 | S1.2.4.2: M | □Yes □No |
| S1.2.4.2.1.1 | Support the SCMS REST API v2 (webApi-name = scmsV2) | Table 3 | S1.2.4.2.1: O62 | □Yes □No |
| S1.2.4.2.1.2 | Support another API not specified here | 4.3.4 | S1.2.4.2.1: O62 | Reference to the API specification: ( text ) |
| S1.2.4.2.2 | EE authentication | Table 3 | S1.2.4.2: O | □Yes □No |
| S1.2.4.2.2.1 | Using OAuth 2.0 bearer authorization (webApi-eeAuth = oAuth2.0) | Table 3 | S1.2.4.2.2: O61 | □Yes □No |
| S1.2.4.2.2.2 | Using another method not specified here | 4.3.4 | S1.2.4.2.2: O61 | Reference to the used method: ( text ) |
| S1.2.4.3 | Support SCMS REST API v2-specific parameters | 4.3.5 | S1.2.4.2.1.1: M | □Yes □No |
| S1.2.4.3.1 | EE authentication | Table 4 | S1.2.4.3: O | □Yes □No |
| S1.2.4.3.1.1 | Using a valid IEEE 1609.2 enrollment certificate (scmsV2-eeAuth = enrollment) | Table 4 | S1.2.4.3.1: O61 | □Yes □No |
| S1.2.4.3.1.2 | Using another method not specified here | 4.3.5 | S1.2.4.3.1: O61 | Reference to the used method: ( text ) |
| S1.2.4.3.2 | Error | Table 4 | S1.2.4.3: M | □Yes □No |
| S1.2.4.3.2.1 | Errors returned are coarse-grained, that is, HTTP 500 (scmsV2-error = coarse) | Table 4 | S1.2.4.3.2: O63 | □Yes □No |
| S1.2.4.3.2.2 | Errors returned are fine-grained, that is, specific to error condition (scmsV2-error = fine) | Table 4 | S1.2.4.3.2: O63 | □Yes □No |
| S1.2.4.3.2.3 | Another variant not specified here | 4.3.5 | S1.2.4.3.2: O63 | Reference to the used variant: ( text ) |
| S1.2.4.3.3 | HTTP optional headers | Table 4 | S1.2.4.3: O | □Yes □No |
| S1.2.4.3.3.1 | Support If-Unmodifed-Since | 4.3.5 | S1.2.4.3.3: O | □Yes □No |
| S1.2.4.3.3.2 | Support Range | 4.3.5 | S1.2.4.3.3: O | □Yes □No |
| S1.2.4.3.3.3 | Support other headers not listed here | 4.3.5 | S1.2.4.3.3: O | Reference to the used headers: ( text ) |
| S1.2.4.4 | Generate successor enrollment certificate download request | 6.3.5.5 | S1.2.4: O64 | □Yes □No |
| S1.2.4.4.1 | Create EeRaDownloadRequestSpdu | 7.4.14 | S1.2.4.4: O65 | □Yes □No |
| S1.2.4.4.2 | Create another PDU not specified here | 7 | S1.2.4.4: O65 | Reference to the created PDU: ( text ) |
| S1.2.4.5 | Receive successor enrollment certificate download request | 6.3.5.5 | S1.2.4: O64 | □Yes □No |
| S1.2.4.5.1 | Specify the values of download request parameters | Table 7 | S1.2.4.5: M | □Yes □No |
| S1.2.4.5.1.1 | Value of download-maxAge | Table 7 | S1.2.4.5.1: M | □Yes □No |
| S1.2.4.5.1.2 | Value of download-maxReqs | Table 7 | S1.2.4.5.1: M | □Yes □No |
| S1.2.4.5.1.3 | Value of download-minWait | Table 7 | S1.2.4.5.1: M | □Yes □No |
| S1.2.4.5.1.4 | Value of other parameters not listed here | 4.3.6 | S1.2.4.5.1: O | Reference to the parameters: ( text ) |
| S1.2.4.5.2 | Verify EeRaDownloadRequestSpdu | 7.4.14 | S1.2.4.5: O66 | □Yes □No |
| S1.2.4.5.3 | Verify the PDU in S1.2.1.4.2 | 7 | S1.2.4.5: O66 | □Yes □No |
| S1.2.4.6 | Generate successor enrollment certificate response | 6.3.5.5, 8.3 | S1.2.4.5: M | □Yes □No |
| S1.2.4.7 | Receive successor enrollment certificate response | 6.3.5.5, 8.3 | S1.2.4.4: M | □Yes □No |
| EE – RA: misbehavior report submission | | | | |
| S1.2.5 | Support misbehavior report submission | 6.3.5.6 | S1.2: O20 | □Yes □No |
| S1.2.5.1 | Support session level parameters | 4.3.3 | S1.2.5: M | □Yes □No |
| S1.2.5.1.1 | RA authentication | Table 2 | S1.2.5.1: M | □Yes □No |
| S1.2.5.1.1.1 | Using ISO/TS 21177  (session-scmsAuth = iso21177) | Table 2 | S1.2.5.1.1: O70 | □Yes □No |
| S1.2.5.1.1.2 | Using TLS 1.2  (session-scmsAuth = tls1.2) | Table 2 | S1.2.5.1.1: O70 | □Yes □No |
| S1.2.5.1.1.3 | Using TLS 1.3  (session-scmsAuth = tls1.3) | Table 2 | S1.2.5.1.1: O70 | □Yes □No |
| S1.2.5.1.1.4 | Using another method not specified here | 4.3.3 | S1.2.5.1.1: O70 | Reference to the used method: ( text ) |
| S1.2.5.1.2 | EE authentication | Table 2 | S1.2.5.1: O | □Yes □No |
| S1.2.5.1.2.1 | Using a valid IEEE 1609.2 authorization certificate  (session-eeAuth = iso21177-authorization) | Table 2 | S1.2.5.1.2: O71 | □Yes □No |
| S1.2.5.1.2.2 | Using another method not specified here | 4.3.3 | S1.2.5.1.2: O71 | Reference to the used method: ( text ) |
| S1.2.5.2 | Support Web API level parameters | 4.3.4 | S1.2.5: M | □Yes □No |
| S1.2.5.2.1 | Web API name | Table 3 | S1.2.5.2: M | □Yes □No |
| S1.2.5.2.1.1 | Support the SCMS REST API v2 (webApi-name = scmsV2) | Table 3 | S1.2.5.2.1: O72 | □Yes □No |
| S1.2.5.2.1.2 | Support another API not specified here | 4.3.4 | S1.2.5.2.1: O72 | Reference to the API specification: ( text ) |
| S1.2.5.2.2 | EE authentication | Table 3 | S1.2.5.2: O | □Yes □No |
| S1.2.5.2.2.1 | Using OAuth 2.0 bearer authorization (webApi-eeAuth = oAuth2.0) | Table 3 | S1.2.5.2.2: O71 | □Yes □No |
| S1.2.5.2.2.2 | Using another method not specified here | 4.3.4 | S1.2.5.2.2: O71 | Reference to the used method: ( text ) |
| S1.2.5.3 | Support SCMS REST API v2-specific parameters | 4.3.5 | S1.2.5.2.1.1: M | □Yes □No |
| S1.2.5.3.1 | EE authentication | Table 4 | S1.2.5.3: O | □Yes □No |
| S1.2.5.3.1.1 | Using a valid IEEE 1609.2 enrollment certificate (scmsV2-eeAuth = enrollment) | Table 4 | S1.2.5.3.1: O71 | □Yes □No |
| S1.2.5.3.1.2 | Using another method not specified here | 4.3.5 | S1.2.5.3.1: O71 | Reference to the used method: ( text ) |
| S1.2.5.3.2 | Error | Table 4 | S1.2.5.3: M | □Yes □No |
| S1.2.5.3.2.1 | Errors returned are coarse-grained, that is, HTTP 500 (scmsV2-error = coarse) | Table 4 | S1.2.5.3.2: O73 | □Yes □No |
| S1.2.5.3.2.2 | Errors returned are fine-grained, that is, specific to error condition (scmsV2-error = fine) | Table 4 | S1.2.5.3.2: O73 | □Yes □No |
| S1.2.5.3.2.3 | Another variant not specified here | 4.3.5 | S1.2.5.3.2: O73 | Reference to the used variant: ( text ) |
| S1.2.5.3.3 | HTTP optional headers | Table 4 | S1.2.5.3: O | □Yes □No |
| S1.2.5.3.3.1 | Support If-Unmodifed-Since | 4.3.5 | S1.2.5.3.3: O | □Yes □No |
| S1.2.5.3.3.2 | Support Range | 4.3.5 | S1.2.5.3.3: O | □Yes □No |
| S1.2.5.3.3.3 | Support other headers not listed here | 4.3.5 | S1.2.5.3.3: O | Reference to the used headers: ( text ) |
| S1.2.5.4 | Generate misbehavior report | 6.3.5.6 | S1.2.5: O74 | □Yes □No |
| S1.2.5.4.1 | Create EeRaEncryptedSigned­­Misbehavior­ReportSpdu | 7.6.3 | S1.2.5.4: O75,  S1.2.5.3.1.1: M | □Yes □No |
| S1.2.5.4.2 | Create EeRaEncrypted­Misbehavior­ReportSpdu | 7.6.4 | S1.2.5.4: O75 | □Yes □No |
| S1.2.5.4.3 | Create another PDU not specified here | 7 | S1.2.5.4: O75 | Reference to the created PDU: ( text ) |
| S1.2.5.5 | Receive misbehavior request | 6.3.5.6 | S1.2.5: O74 | □Yes □No |
| S1.2.5.5.1 | Specify the values of RA request parameters | Table 6 | S1.2.5.5: O | □Yes □No |
| S1.2.5.5.1.1 | Value of other parameters not listed here | 4.3.6 | S1.2.3.5.1: O | Reference to the parameters: ( text ) |
| S1.2.5.5.2 | Verify EeRaEncryptedSigned­­Misbehavior­ReportSpdu | 7.6.3 | S1.2.3.5: O76 | □Yes □No |
| S1.2.5.5.3 | Verify EeRaEncrypted­Misbehavior­ReportSpdu | 7.6.4 | S1.2.3.5: O76 | □Yes □No |
| S1.2.5.5.4 | Verify the PDU in S1.2.3.4.3 | 7 | S1.2.3.5: O76 | □Yes □No |
| EE – RA: CCF-CTL download | | | | |
| S1.2.6 | Support CCF including CTL download | 6.3.5.7 | S1.2: O20 | □Yes □No |
| S1.2.6.1 | Support session level parameters | 4.3.3 | S1.2.6: M | □Yes □No |
| S1.2.6.1.1 | RA authentication | Table 2 | S1.2.6.1: M | □Yes □No |
| S1.2.6.1.1.1 | Using ISO/TS 21177  (session-scmsAuth = iso21177) | Table 2 | S1.2.6.1.1: O80 | □Yes □No |
| S1.2.6.1.1.2 | Using TLS 1.2  (session-scmsAuth = tls1.2) | Table 2 | S1.2.6.1.1: O80 | □Yes □No |
| S1.2.6.1.1.3 | Using TLS 1.3  (session-scmsAuth = tls1.3) | Table 2 | S1.2.6.1.1: O80 | □Yes □No |
| S1.2.6.1.1.4 | Using another method not specified here | 4.3.3 | S1.2.6.1.1: O80 | Reference to the used method: ( text ) |
| S1.2.6.1.2 | EE authentication | Table 2 | S1.2.6.1: O | □Yes □No |
| S1.2.6.1.2.1 | Using a valid IEEE 1609.2 enrollment certificate  (session-eeAuth = iso21177-enrollment) | Table 2 | S1.2.6.1.2: O | □Yes □No |
| S1.2.6.1.2.2 | Using a valid ITU-T X.509 certificate (session-eeAuth = tls1.2-x.509) | Table 2 | S1.2.6.1.2: O | □Yes □No |
| S1.2.6.1.2.3 | Using a valid ITU-T X.509 certificate (session-eeAuth = tls1.3-x.509) | Table 2 | S1.2.6.1.2: O | □Yes □No |
| S1.2.6.1.2.4 | Using another method not specified here | 4.3.3 | S1.2.6.1.2: O | Reference to the used method: ( text ) |
| S1.2.6.2 | Support Web API level parameters | 4.3.4 | S1.2.6: M | □Yes □No |
| S1.2.6.2.1 | Web API name | Table 3 | S1.2.6.2: M | □Yes □No |
| S1.2.6.2.1.1 | Support the SCMS REST API v2 (webApi-name = scmsV2) | Table 3 | S1.2.6.2.1: O81 | □Yes □No |
| S1.2.6.2.1.2 | Support another API not specified here | 4.3.4 | S1.2.6.2.1: O81 | Reference to the API specification: ( text ) |
| S1.2.6.2.2 | EE authentication | Table 3 | S1.2.6.2: O | □Yes □No |
| S1.2.6.2.2.1 | Using OAuth 2.0 bearer authorization (webApi-eeAuth = oAuth2.0) | Table 3 | S1.2.6.2.2: O | □Yes □No |
| S1.2.6.2.2.2 | Using another method not specified here | 4.3.4 | S1.2.6.2.2: O | Reference to the used method: ( text ) |
| S1.2.6.3 | Support SCMS REST API v2-specific parameters | 4.3.5 | S1.2.6.2.1.1: M | □Yes □No |
| S1.2.6.3.1 | EE authentication | Table 4 | S1.2.6.3: O | □Yes □No |
| S1.2.6.3.1.1 | Using another method not specified here | 4.3.5 | S1.2.6.3.1: O | Reference to the used method: ( text ) |
| S1.2.6.3.2 | Error | Table 4 | S1.2.6.3: M | □Yes □No |
| S1.2.6.3.2.1 | Errors returned are coarse-grained, that is, HTTP 500 (scmsV2-error = coarse) | Table 4 | S1.2.6.3.2: O82 | □Yes □No |
| S1.2.6.3.2.2 | Errors returned are fine-grained, that is, specific to error condition (scmsV2-error = fine) | Table 4 | S1.2.6.3.2: O82 | □Yes □No |
| S1.2.6.3.2.3 | Another variant not specified here | 4.3.5 | S1.2.6.3.2: O82 | Reference to the used variant: ( text ) |
| S1.2.6.3.3 | HTTP optional headers | Table 4 | S1.2.6.3: O | □Yes □No |
| S1.2.6.3.3.1 | Support If-Unmodifed-Since | 4.3.5 | S1.2.6.3.3: O | □Yes □No |
| S1.2.6.3.3.2 | Support Range | 4.3.5 | S1.2.6.3.3: O | □Yes □No |
| S1.2.6.3.3.3 | Support other headers not listed here | 4.3.5 | S1.2.6.3.3: O | Reference to the used headers: ( text ) |
| S1.2.6.4 | Generate CCF including CTL download request | 6.3.5.7 | S1.2.6: O83 | □Yes □No |
| S1.2.6.5 | Receive CCF including CTL download request | 6.3.5.7 | S1.2.6: O83 | □Yes □No |
| S1.2.6.5.1 | Specify the values of download request parameters | Table 7 | S1.2.6.5: M | □Yes □No |
| S1.2.6.5.1.1 | Value of download-maxAge | Table 7 | S1.2.6.5.1: O | □Yes □No |
| S1.2.6.5.1.2 | Value of download-maxReqs | Table 7 | S1.2.6.5.1: O | □Yes □No |
| S1.2.6.5.1.3 | Value of download-minWait | Table 7 | S1.2.6.5.1: M | □Yes □No |
| S1.2.6.5.1.4 | Value of other parameters not listed here | 4.3.6 | S1.2.6.5.1: O | Reference to the parameters: ( text ) |
| S1.2.6.6 | Generate CCF-CTL response | 6.3.5.7, 8.4 | S1.2.6.5: M | □Yes □No |
| S1.2.6.7 | Receive CCF-CTL response | 6.3.5.7, 8.4 | S1.2.6.4: M | □Yes □No |
| EE – RA: composite CRL-CTL download | | | | |
| S1.2.7 | Support composite CRL including CTL download | 6.3.5.8 | S1.2: O20 | □Yes □No |
| S1.2.7.1 | Support session level parameters | 4.3.3 | S1.2.7: M | □Yes □No |
| S1.2.7.1.1 | RA authentication | Table 2 | S1.2.7.1: M | □Yes □No |
| S1.2.7.1.1.1 | Using ISO/TS 21177  (session-scmsAuth = iso21177) | Table 2 | S1.2.7.1.1: O90 | □Yes □No |
| S1.2.7.1.1.2 | Using TLS 1.2  (session-scmsAuth = tls1.2) | Table 2 | S1.2.7.1.1: O90 | □Yes □No |
| S1.2.7.1.1.3 | Using TLS 1.3  (session-scmsAuth = tls1.3) | Table 2 | S1.2.7.1.1: O90 | □Yes □No |
| S1.2.7.1.1.4 | Using another method not specified here | 4.3.3 | S1.2.7.1.1: O90 | Reference to the used method: ( text ) |
| S1.2.7.1.2 | EE authentication | Table 2 | S1.2.7.1: O | □Yes □No |
| S1.2.7.1.2.1 | Using a valid IEEE 1609.2 enrollment certificate  (session-eeAuth = iso21177-enrollment) | Table 2 | S1.2.7.1.2: O | □Yes □No |
| S1.2.7.1.2.2 | Using a valid ITU-T X.509 certificate (session-eeAuth = tls1.2-x.509) | Table 2 | S1.2.7.1.2: O | □Yes □No |
| S1.2.7.1.2.3 | Using a valid ITU-T X.509 certificate (session-eeAuth = tls1.3-x.509) | Table 2 | S1.2.7.1.2: O | □Yes □No |
| S1.2.7.1.2.4 | Using another method not specified here | 4.3.3 | S1.2.7.1.2: O | Reference to the used method: ( text ) |
| S1.2.7.2 | Support Web API level parameters | 4.3.4 | S1.2.7: M | □Yes □No |
| S1.2.7.2.1 | Web API name | Table 3 | S1.2.7.2: M | □Yes □No |
| S1.2.7.2.1.1 | Support the SCMS REST API v2 (webApi-name = scmsV2) | Table 3 | S1.2.7.2.1: O91 | □Yes □No |
| S1.2.7.2.1.2 | Support another API not specified here | 4.3.4 | S1.2.7.2.1: O91 | Reference to the API specification: ( text ) |
| S1.2.7.2.2 | EE authentication | Table 3 | S1.2.7.2: O | □Yes □No |
| S1.2.7.2.2.1 | Using OAuth 2.0 bearer authorization (webApi-eeAuth = oAuth2.0) | Table 3 | S1.2.7.2.2: O | □Yes □No |
| S1.2.7.2.2.2 | Using another method not specified here | 4.3.4 | S1.2.7.2.2: O | Reference to the used method: ( text ) |
| S1.2.7.3 | Support SCMS REST API v2-specific parameters | 4.3.5 | S1.2.7.2.1.1: M | □Yes □No |
| S1.2.7.3.1 | EE authentication | Table 4 | S1.2.7.3: O | □Yes □No |
| S1.2.7.3.1.1 | Using another method not specified here | 4.3.5 | S1.2.7.3.1: O | Reference to the used method: ( text ) |
| S1.2.7.3.2 | Error | Table 4 | S1.2.7.3: M | □Yes □No |
| S1.2.7.3.2.1 | Errors returned are coarse-grained, that is, HTTP 500 (scmsV2-error = coarse) | Table 4 | S1.2.7.3.2: O92 | □Yes □No |
| S1.2.7.3.2.2 | Errors returned are fine-grained, that is, specific to error condition  (scmsV2-error = fine) | Table 4 | S1.2.7.3.2: O92 | □Yes □No |
| S1.2.7.3.2.3 | Another variant not specified here | 4.3.5 | S1.2.7.3.2: O92 | Reference to the used variant: ( text ) |
| S1.2.7.3.3 | HTTP optional headers | Table 4 | S1.2.7.3: O | □Yes □No |
| S1.2.7.3.3.1 | Support If-Unmodifed-Since | 4.3.5 | S1.2.7.3.3: O | □Yes □No |
| S1.2.7.3.3.2 | Support Range | 4.3.5 | S1.2.7.3.3: O | □Yes □No |
| S1.2.7.3.3.3 | Support other headers not listed here | 4.3.5 | S1.2.7.3.3: O | Reference to the used headers: ( text ) |
| S1.2.7.4 | Generate composite CRL including CTL download request | 6.3.5.8 | S1.2.7: O93 | □Yes □No |
| S1.2.7.5 | Receive composite CRL including CTL download request | 6.3.5.8 | S1.2.7: O93 | □Yes □No |
| S1.2.7.5.1 | Specify the values of download request parameters | Table 7 | S1.2.7.5: M | □Yes □No |
| S1.2.7.5.1.1 | Value of download-maxAge | Table 7 | S1.2.7.5.1: O | □Yes □No |
| S1.2.7.5.1.2 | Value of download-maxReqs | Table 7 | S1.2.7.5.1: O | □Yes □No |
| S1.2.7.5.1.3 | Value of download-minWait | Table 7 | S1.2.7.5.1: M | □Yes □No |
| S1.2.7.5.1.4 | Value of other parameters not listed here | 4.3.6 | S1.2.7.5.1: O | Reference to the parameters: ( text ) |
| S1.2.7.6 | Generate composite CRL-CTL response | 6.3.5.8, 8.5 | S1.2.7.5: M | □Yes □No |
| S1.2.7.7 | Receive composite CRL-CTL response | 6.3.5.8, 8.5 | S1.2.7.4: M | □Yes □No |
| EE – RA: CA certificate download | | | | |
| S1.2.8 | Support individual CA certificate download | 6.3.5.9 | S1.2: O20 | □Yes □No |
| S1.2.8.1 | Support session level parameters | 4.3.3 | S1.2.8: M | □Yes □No |
| S1.2.8.1.1 | RA authentication | Table 2 | S1.2.8.1: M | □Yes □No |
| S1.2.8.1.1.1 | Using ISO/TS 21177  (session-scmsAuth = iso21177) | Table 2 | S1.2.8.1.1: O100 | □Yes □No |
| S1.2.8.1.1.2 | Using TLS 1.2  (session-scmsAuth = tls1.2) | Table 2 | S1.2.8.1.1: O100 | □Yes □No |
| S1.2.8.1.1.3 | Using TLS 1.3  (session-scmsAuth = tls1.3) | Table 2 | S1.2.8.1.1: O100 | □Yes □No |
| S1.2.8.1.1.4 | Using another method not specified here | 4.3.3 | S1.2.8.1.1: O100 | Reference to the used method: ( text ) |
| S1.2.8.1.2 | EE authentication | Table 2 | S1.2.8.1: O | □Yes □No |
| S1.2.8.1.2.1 | Using a valid IEEE 1609.2 enrollment certificate  (session-eeAuth = iso21177-enrollment) | Table 2 | S1.2.8.1.2: O | □Yes □No |
| S1.2.8.1.2.2 | Using a valid ITU-T X.509 certificate (session-eeAuth = tls1.2-x.509) | Table 2 | S1.2.8.1.2: O | □Yes □No |
| S1.2.8.1.2.3 | Using a valid ITU-T X.509 certificate (session-eeAuth = tls1.3-x.509) | Table 2 | S1.2.8.1.2: O | □Yes □No |
| S1.2.8.1.2.4 | Using another method not specified here | 4.3.3 | S1.2.8.1.2: O | Reference to the used method: ( text ) |
| S1.2.8.2 | Support Web API level parameters | 4.3.4 | S1.2.8: M | □Yes □No |
| S1.2.8.2.1 | Web API name | Table 3 | S1.2.8.2: M | □Yes □No |
| S1.2.8.2.1.1 | Support the SCMS REST API v2 (webApi-name = scmsV2) | Table 3 | S1.2.8.2.1: O101 | □Yes □No |
| S1.2.8.2.1.2 | Support another API not specified here | 4.3.4 | S1.2.8.2.1: O101 | Reference to the API specification: ( text ) |
| S1.2.8.2.2 | EE authentication | Table 3 | S1.2.8.2: O | □Yes □No |
| S1.2.8.2.2.1 | Using OAuth 2.0 bearer authorization (webApi-eeAuth = oAuth2.0) | Table 3 | S1.2.8.2.2: O | □Yes □No |
| S1.2.8.2.2.2 | Using another method not specified here | 4.3.4 | S1.2.8.2.2: O | Reference to the used method: ( text ) |
| S1.2.8.3 | Support SCMS REST API v2-specific parameters | 4.3.5 | S1.2.8.2.1.1: M | □Yes □No |
| S1.2.8.3.1 | EE authentication | Table 4 | S1.2.8.3: O | □Yes □No |
| S1.2.8.3.1.1 | Using another method not specified here | 4.3.5 | S1.2.8.3.1: O | Reference to the used method: ( text ) |
| S1.2.8.3.2 | Error | Table 4 | S1.2.8.3: M | □Yes □No |
| S1.2.8.3.2.1 | Errors returned are coarse-grained, that is, HTTP 500 (scmsV2-error = coarse) | Table 4 | S1.2.8.3.2: O102 | □Yes □No |
| S1.2.8.3.2.2 | Errors returned are fine-grained, that is, specific to error condition  (scmsV2-error = fine) | Table 4 | S1.2.8.3.2: O102 | □Yes □No |
| S1.2.8.3.2.3 | Another variant not specified here | 4.3.5 | S1.2.8.3.2: O102 | Reference to the used variant: ( text ) |
| S1.2.8.3.3 | HTTP optional headers | Table 4 | S1.2.8.3: O | □Yes □No |
| S1.2.8.3.3.1 | Support If-Unmodifed-Since | 4.3.5 | S1.2.8.3.3: O | □Yes □No |
| S1.2.8.3.3.2 | Support Range | 4.3.5 | S1.2.8.3.3: O | □Yes □No |
| S1.2.8.3.3.3 | Support other headers not listed here | 4.3.5 | S1.2.8.3.3: O | Reference to the used headers: ( text ) |
| S1.2.8.4 | Generate individual CA certificate request | 6.3.5.9 | S1.2.8: O103 | □Yes □No |
| S1.2.8.5 | Receive individual CA certificate request | 6.3.5.9 | S1.2.8: O103 | □Yes □No |
| S1.2.8.5.1 | Specify the values of download request parameters | Table 7 | S1.2.8.5: M | □Yes □No |
| S1.2.8.5.1.1 | Value of download-maxAge | Table 7 | S1.2.8.5.1: O | □Yes □No |
| S1.2.8.5.1.2 | Value of download-maxReqs | Table 7 | S1.2.8.5.1: O | □Yes □No |
| S1.2.8.5.1.3 | Value of download-minWait | Table 7 | S1.2.8.5.1: M | □Yes □No |
| S1.2.8.5.1.4 | Value of other parameters not listed here | 4.3.6 | S1.2.8.5.1: O | Reference to the parameters: ( text ) |
| S1.2.8.6 | Generate individual CA certificate response | 6.3.5.9, 7.2.5 | S1.2.8.5: M | □Yes □No |
| S1.2.8.7 | Receive individual CA certificate response | 6.3.5.9, 7.2.5 | S1.2.8.4: M | □Yes □No |
| EE – RA: individual CRL download | | | | |
| S1.2.9 | Support individual CRL download | 6.3.5.10 | S1.2: O20 | □Yes □No |
| S1.2.9.1 | Support session level parameters | 4.3.3 | S1.2.9: M | □Yes □No |
| S1.2.9.1.1 | RA authentication | Table 2 | S1.2.9.1: M | □Yes □No |
| S1.2.9.1.1.1 | Using ISO/TS 21177  (session-scmsAuth = iso21177) | Table 2 | S1.2.9.1.1: O110 | □Yes □No |
| S1.2.9.1.1.2 | Using TLS 1.2 (session-scmsAuth = tls1.2) | Table 2 | S1.2.9.1.1: O110 | □Yes □No |
| S1.2.9.1.1.3 | Using TLS 1.3  (session-scmsAuth = tls1.3) | Table 2 | S1.2.9.1.1: O110 | □Yes □No |
| S1.2.9.1.1.4 | Using another method not specified here | 4.3.3 | S1.2.9.1.1: O110 | Reference to the used method: ( text ) |
| S1.2.9.1.2 | EE authentication | Table 2 | S1.2.9.1: O | □Yes □No |
| S1.2.9.1.2.1 | Using a valid IEEE 1609.2 enrollment certificate  (session-eeAuth = iso21177-enrollment) | Table 2 | S1.2.9.1.2: O | □Yes □No |
| S1.2.9.1.2.2 | Using a valid ITU-T X.509 certificate (session-eeAuth = tls1.2-x.509) | Table 2 | S1.2.9.1.2: O | □Yes □No |
| S1.2.9.1.2.3 | Using a valid ITU-T X.509 certificate (session-eeAuth = tls1.3-x.509) | Table 2 | S1.2.9.1.2: O | □Yes □No |
| S1.2.9.1.2.4 | Using another method not specified here | 4.3.3 | S1.2.9.1.2: O | Reference to the used method: ( text ) |
| S1.2.9.2 | Support Web API level parameters | 4.3.4 | S1.2.9: M | □Yes □No |
| S1.2.9.2.1 | Web API name | Table 3 | S1.2.9.2: M | □Yes □No |
| S1.2.9.2.1.1 | Support the SCMS REST API v2 (webApi-name = scmsV2) | Table 3 | S1.2.9.2.1: O111 | □Yes □No |
| S1.2.9.2.1.2 | Support another API not specified here | 4.3.4 | S1.2.9.2.1: O111 | Reference to the API specification: ( text ) |
| S1.2.9.2.2 | EE authentication | Table 3 | S1.2.9.2: O | □Yes □No |
| S1.2.9.2.2.1 | Using OAuth 2.0 bearer authorization (webApi-eeAuth = oAuth2.0) | Table 3 | S1.2.9.2.2: O | □Yes □No |
| S1.2.9.2.2.2 | Using another method not specified here | 4.3.4 | S1.2.9.2.2: O | Reference to the used method: ( text ) |
| S1.2.9.3 | Support SCMS REST API v2-specific parameters | 4.3.5 | S1.2.9.2.1.1: M | □Yes □No |
| S1.2.9.3.1 | EE authentication | Table 4 | S1.2.9.3: O | □Yes □No |
| S1.2.9.3.1.1 | Using another method not specified here | 4.3.5 | S1.2.9.3.1: O | Reference to the used method: ( text ) |
| S1.2.9.3.2 | Error | Table 4 | S1.2.9.3: M | □Yes □No |
| S1.2.9.3.2.1 | Errors returned are coarse-grained, that is, HTTP 500 (scmsV2-error = coarse) | Table 4 | S1.2.9.3.2: O112 | □Yes □No |
| S1.2.9.3.2.2 | Errors returned are fine-grained, that is, specific to error condition  (scmsV2-error = fine) | Table 4 | S1.2.9.3.2: O112 | □Yes □No |
| S1.2.9.3.2.3 | Another variant not specified here | 4.3.5 | S1.2.9.3.2: O112 | Reference to the used variant: ( text ) |
| S1.2.9.3.3 | HTTP optional headers | Table 4 | S1.2.9.3: O | □Yes □No |
| S1.2.9.3.3.1 | Support If-Unmodifed-Since | 4.3.5 | S1.2.9.3.3: O | □Yes □No |
| S1.2.9.3.3.2 | Support Range | 4.3.5 | S1.2.9.3.3: O | □Yes □No |
| S1.2.9.3.3.3 | Support other headers not listed here | 4.3.5 | S1.2.9.3.3: O | Reference to the used headers: ( text ) |
| S1.2.9.4 | Generate individual CRL request | 6.3.5.10 | S1.2.9: O113 | □Yes □No |
| S1.2.9.5 | Receive individual CRL request | 6.3.5.10 | S1.2.9: O113 | □Yes □No |
| S1.2.9.5.1 | Specify the values of download request parameters | Table 7 | S1.2.9.5: M | □Yes □No |
| S1.2.9.5.1.1 | Value of download-maxAge | Table 7 | S1.2.9.5.1: O | □Yes □No |
| S1.2.9.5.1.2 | Value of download-maxReqs | Table 7 | S1.2.9.5.1: O | □Yes □No |
| S1.2.9.5.1.3 | Value of download-minWait | Table 7 | S1.2.9.5.1: M | □Yes □No |
| S1.2.9.5.1.4 | Value of other parameters not listed here | 4.3.6 | S1.2.9.5.1: O | Reference to the parameters: ( text ) |
| S1.2.9.6 | Generate individual CRL response | 6.3.5.10, 7.2.30 | S1.2.9.5: M | □Yes □No |
| S1.2.9.7 | Receive individual CRL response | 6.3.5.10, 7.2.30 | S1.2.9.4: M | □Yes □No |
| EE – RA: CTL download | | | | |
| S1.2.10 | Support CTL download | 6.3.5.11 | S1.2: O20 | □Yes □No |
| S1.2.10.1 | Support session level parameters | 4.3.3 | S1.2.10: M | □Yes □No |
| S1.2.10.1.1 | RA authentication | Table 2 | S1.2.10.1: M | □Yes □No |
| S1.2.10.1.1.1 | Using ISO/TS 21177  (session-scmsAuth = iso21177) | Table 2 | S1.2.10.1.1: O120 | □Yes □No |
| S1.2.10.1.1.2 | Using TLS 1.2  (session-scmsAuth = tls1.2) | Table 2 | S1.2.10.1.1: O120 | □Yes □No |
| S1.2.10.1.1.3 | Using TLS 1.3  (session-scmsAuth = tls1.3) | Table 2 | S1.2.10.1.1: O120 | □Yes □No |
| S1.2.10.1.1.4 | Using another method not specified here | 4.3.3 | S1.2.10.1.1: O120 | Reference to the used method: ( text ) |
| S1.2.10.1.2 | EE authentication | Table 2 | S1.2.10.1: O | □Yes □No |
| S1.2.10.1.2.1 | Using a valid IEEE 1609.2 enrollment certificate  (session-eeAuth = iso21177-enrollment) | Table 2 | S1.2.10.1.2: O | □Yes □No |
| S1.2.10.1.2.2 | Using a valid ITU-T X.509 certificate (session-eeAuth = tls1.2-x.509) | Table 2 | S1.2.10.1.2: O | □Yes □No |
| S1.2.10.1.2.3 | Using a valid ITU-T X.509 certificate (session-eeAuth = tls1.3-x.509) | Table 2 | S1.2.10.1.2: O | □Yes □No |
| S1.2.10.1.2.4 | Using another method not specified here | 4.3.3 | S1.2.10.1.2: O | Reference to the used method: ( text ) |
| S1.2.10.2 | Support Web API level parameters | 4.3.4 | S1.2.10: M | □Yes □No |
| S1.2.10.2.1 | Web API name | Table 3 | S1.2.10.2: M | □Yes □No |
| S1.2.10.2.1.1 | Support the SCMS REST API v2 (webApi-name = scmsV2) | Table 3 | S1.2.10.2.1: O121 | □Yes □No |
| S1.2.10.2.1.2 | Support another API not specified here | 4.3.4 | S1.2.10.2.1: O121 | Reference to the API specification: ( text ) |
| S1.2.10.2.2 | EE authentication | Table 3 | S1.2.10.2: O | □Yes □No |
| S1.2.10.2.2.1 | Using OAuth 2.0 bearer authorization (webApi-eeAuth = oAuth2.0) | Table 3 | S1.2.10.2.2: O | □Yes □No |
| S1.2.10.2.2.2 | Using another method not specified here | 4.3.4 | S1.2.10.2.2: O | Reference to the used method: ( text ) |
| S1.2.10.3 | Support SCMS REST API v2-specific parameters | 4.3.5 | S1.2.10.2.1.1: M | □Yes □No |
| S1.2.10.3.1 | EE authentication | Table 4 | S1.2.10.3: O | □Yes □No |
| S1.2.10.3.1.1 | Using another method not specified here | 4.3.5 | S1.2.10.3.1: O | Reference to the used method: ( text ) |
| S1.2.10.3.2 | Error | Table 4 | S1.2.10.3: M | □Yes □No |
| S1.2.10.3.2.1 | Errors returned are coarse-grained, that is, HTTP 500 (scmsV2-error = coarse) | Table 4 | S1.2.10.3.2: O122 | □Yes □No |
| S1.2.10.3.2.2 | Errors returned are fine-grained, that is, specific to error condition  (scmsV2-error = fine) | Table 4 | S1.2.10.3.2: O122 | □Yes □No |
| S1.2.10.3.2.3 | Another variant not specified here | 4.3.5 | S1.2.10.3.2: O122 | Reference to the used variant: ( text ) |
| S1.2.10.3.3 | HTTP optional headers | Table 4 | S1.2.10.3: O | □Yes □No |
| S1.2.10.3.3.1 | Support If-Unmodifed-Since | 4.3.5 | S1.2.10.3.3: O | □Yes □No |
| S1.2.10.3.3.2 | Support Range | 4.3.5 | S1.2.10.3.3: O | □Yes □No |
| S1.2.10.3.3.3 | Support other headers not listed here | 4.3.5 | S1.2.10.3.3: O | Reference to the used headers: ( text ) |
| S1.2.10.4 | Generate CTL request | 6.3.5.11 | S1.2.10: O123 | □Yes □No |
| S1.2.10.5 | Receive CTL request | 6.3.5.11 | S1.2.10: O123 | □Yes □No |
| S1.2.10.5.1 | Specify the values of download request parameters | Table 7 | S1.2.10.5: M | □Yes □No |
| S1.2.10.5.1.1 | Value of download-maxAge | Table 7 | S1.2.10.5.1: O | □Yes □No |
| S1.2.10.5.1.2 | Value of download-maxReqs | Table 7 | S1.2.10.5.1: O | □Yes □No |
| S1.2.10.5.1.3 | Value of download-minWait | Table 7 | S1.2.10.5.1: M | □Yes □No |
| S1.2.10.5.1.4 | Value of other parameters not listed here | 4.3.6 | S1.2.10.5.1: O | Reference to the parameters: ( text ) |
| S1.2.10.6 | Generate CTL | 6.3.5.11 | S1.2.10.5: M | □Yes □No |
| S1.2.10.7 | Receive CTL | 6.3.5.11 | S1.2.10.4: M | □Yes □No |
| S1.2.10.8 | Request CTL if a CTL is received whose sequenceNumber does not sequentially follow the value in the currently stored CTL | 10.2 | S1.2.10.4: M | □Yes □No |
| EE – RA: RA certificate download | | | | |
| S1.2.11 | Support RA certificate download | 6.3.5.12 | S1.2: O20 | □Yes □No |
| S1.2.11.1 | Support session level parameters | 4.3.3 | S1.2.11: M | □Yes □No |
| S1.2.11.1.1 | RA authentication | Table 2 | S1.2.11.1: M | □Yes □No |
| S1.2.11.1.1.1 | Using ISO/TS 21177  (session-scmsAuth = iso21177) | Table 2 | S1.2.11.1.1: O130 | □Yes □No |
| S1.2.11.1.1.2 | Using TLS 1.2  (session-scmsAuth = tls1.2) | Table 2 | S1.2.11.1.1: O130 | □Yes □No |
| S1.2.11.1.1.3 | Using TLS 1.3  (session-scmsAuth = tls1.3) | Table 2 | S1.2.11.1.1: O130 | □Yes □No |
| S1.2.11.1.1.4 | Using another method not specified here | 4.3.3 | S1.2.11.1.1: O130 | Reference to the used method: ( text ) |
| S1.2.11.1.2 | EE authentication | Table 2 | S1.2.11.1: O | □Yes □No |
| S1.2.11.1.2.1 | Using a valid IEEE 1609.2 enrollment certificate  (session-eeAuth = iso21177-enrollment) | Table 2 | S1.2.11.1.2: O | □Yes □No |
| S1.2.11.1.2.2 | Using a valid ITU-T X.509 certificate (session-eeAuth = tls1.2-x.509) | Table 2 | S1.2.11.1.2: O | □Yes □No |
| S1.2.11.1.2.3 | Using a valid ITU-T X.509 certificate (session-eeAuth = tls1.3-x.509) | Table 2 | S1.2.11.1.2: O | □Yes □No |
| S1.2.11.1.2.4 | Using another method not specified here | 4.3.3 | S1.2.11.1.2: O | Reference to the used method: ( text ) |
| S1.2.11.2 | Support Web API level parameters | 4.3.4 | S1.2.11: M | □Yes □No |
| S1.2.11.2.1 | Web API name | Table 3 | S1.2.11.2: M | □Yes □No |
| S1.2.11.2.1.1 | Support the SCMS REST API v2 (webApi-name = scmsV2) | Table 3 | S1.2.11.2.1: O131 | □Yes □No |
| S1.2.11.2.1.2 | Support another API not specified here | 4.3.4 | S1.2.11.2.1: O131 | Reference to the API specification: ( text ) |
| S1.2.11.2.2 | EE authentication | Table 3 | S1.2.11.2: O | □Yes □No |
| S1.2.11.2.2.1 | Using OAuth 2.0 bearer authorization (webApi-eeAuth = oAuth2.0) | Table 3 | S1.2.11.2.2: O | □Yes □No |
| S1.2.11.2.2.2 | Using another method not specified here | 4.3.4 | S1.2.11.2.2: O | Reference to the used method: ( text ) |
| S1.2.11.3 | Support SCMS REST API v2-specific parameters | 4.3.5 | S1.2.11.2.1.1: M | □Yes □No |
| S1.2.11.3.1 | EE authentication | Table 4 | S1.2.11.3: O | □Yes □No |
| S1.2.11.3.1.1 | Using another method not specified here | 4.3.5 | S1.2.11.3.1: O | Reference to the used method: ( text ) |
| S1.2.11.3.2 | Error | Table 4 | S1.2.11.3: M | □Yes □No |
| S1.2.11.3.2.1 | Errors returned are coarse-grained, that is, HTTP 500 (scmsV2-error = coarse) | Table 4 | S1.2.11.3.2: O132 | □Yes □No |
| S1.2.11.3.2.2 | Errors returned are fine-grained, that is, specific to error condition  (scmsV2-error = fine) | Table 4 | S1.2.11.3.2: O132 | □Yes □No |
| S1.2.11.3.2.3 | Another variant not specified here | 4.3.5 | S1.2.11.3.2: O132 | Reference to the used variant: ( text ) |
| S1.2.11.3.3 | HTTP optional headers | Table 4 | S1.2.11.3: O | □Yes □No |
| S1.2.11.3.3.1 | Support If-Unmodifed-Since | 4.3.5 | S1.2.11.3.3: O | □Yes □No |
| S1.2.11.3.3.2 | Support Range | 4.3.5 | S1.2.11.3.3: O | □Yes □No |
| S1.2.11.3.3.3 | Support other headers not listed here | 4.3.5 | S1.2.11.3.3: O | Reference to the used headers: ( text ) |
| S1.2.11.4 | Generate RA certificate request | 6.3.5.12 | S1.2.11: O133 | □Yes □No |
| S1.2.11.5 | Receive RA certificate request | 6.3.5.12 | S1.2.11: O133 | □Yes □No |
| S1.2.11.5.1 | Specify the values of download request parameters | Table 7 | S1.2.11.5: M | □Yes □No |
| S1.2.11.5.1.1 | Value of download-maxAge | Table 7 | S1.2.11.5.1: O | □Yes □No |
| S1.2.11.5.1.2 | Value of download-maxReqs | Table 7 | S1.2.11.5.1: O | □Yes □No |
| S1.2.11.5.1.3 | Value of download-minWait | Table 7 | S1.2.11.5.1: M | □Yes □No |
| S1.2.11.5.1.4 | Value of other parameters not listed here | 4.3.6 | S1.2.11.5.1: O | Reference to the parameters: ( text ) |
| S1.2.11.6 | Generate RA certificate | 6.3.5.12, 7.2.5 | S1.2.11.5: M | □Yes □No |
| S1.2.11.7 | Receive RA certificate | 6.3.5.12, 7.2.5 | S1.2.11.4: M | □Yes □No |
| EE – RA: MA certificate download | | | | |
| S1.2.12 | Support MA certificate download | 6.3.5.13 | S1.2: O20 | □Yes □No |
| S1.2.12.1 | Support session level parameters | 4.3.3 | S1.2.12: M | □Yes □No |
| S1.2.12.1.1 | RA authentication | Table 2 | S1.2.12.1: M | □Yes □No |
| S1.2.12.1.1.1 | Using ISO/TS 21177  (session-scmsAuth = iso21177) | Table 2 | S1.2.12.1.1: O140 | □Yes □No |
| S1.2.12.1.1.2 | Using TLS 1.2  (session-scmsAuth = tls1.2) | Table 2 | S1.2.12.1.1: O140 | □Yes □No |
| S1.2.12.1.1.3 | Using TLS 1.3  (session-scmsAuth = tls1.3) | Table 2 | S1.2.12.1.1: O140 | □Yes □No |
| S1.2.12.1.1.4 | Using another method not specified here | 4.3.3 | S1.2.12.1.1: O140 | Reference to the used method: ( text ) |
| S1.2.12.1.2 | EE authentication | Table 2 | S1.2.12.1: O | □Yes □No |
| S1.2.12.1.2.1 | Using a valid IEEE 1609.2 enrollment certificate  (session-eeAuth = iso21177-enrollment) | Table 2 | S1.2.12.1.2: O | □Yes □No |
| S1.2.12.1.2.2 | Using a valid ITU-T X.509 certificate (session-eeAuth = tls1.2-x.509) | Table 2 | S1.2.12.1.2: O | □Yes □No |
| S1.2.12.1.2.3 | Using a valid ITU-T X.509 certificate (session-eeAuth = tls1.3-x.509) | Table 2 | S1.2.12.1.2: O | □Yes □No |
| S1.2.12.1.2.4 | Using another method not specified here | 4.3.3 | S1.2.12.1.2: O | Reference to the used method: ( text ) |
| S1.2.12.2 | Support Web API level parameters | 4.3.4 | S1.2.12: M | □Yes □No |
| S1.2.12.2.1 | Web API name | Table 3 | S1.2.12.2: M | □Yes □No |
| S1.2.12.2.1.1 | Support the SCMS REST API v2 (webApi-name = scmsV2) | Table 3 | S1.2.12.2.1: O141 | □Yes □No |
| S1.2.12.2.1.2 | Support another API not specified here | 4.3.4 | S1.2.12.2.1: O141 | Reference to the API specification: ( text ) |
| S1.2.12.2.2 | EE authentication | Table 3 | S1.2.12.2: O | □Yes □No |
| S1.2.12.2.2.1 | Using OAuth 2.0 bearer authorization (webApi-eeAuth = oAuth2.0) | Table 3 | S1.2.12.2.2: O | □Yes □No |
| S1.2.12.2.2.2 | Using another method not specified here | 4.3.4 | S1.2.12.2.2: O | Reference to the used method: ( text ) |
| S1.2.12.3 | Support SCMS REST API v2-specific parameters | 4.3.5 | S1.2.12.2.1.1: M | □Yes □No |
| S1.2.12.3.1 | EE authentication | Table 4 | S1.2.12.3: O | □Yes □No |
| S1.2.12.3.1.1 | Using another method not specified here | 4.3.5 | S1.2.12.3.1: O | Reference to the used method: ( text ) |
| S1.2.12.3.2 | Error | Table 4 | S1.2.12.3: M | □Yes □No |
| S1.2.12.3.2.1 | Errors returned are coarse-grained, that is, HTTP 500 (scmsV2-error = coarse) | Table 4 | S1.2.12.3.2: O142 | □Yes □No |
| S1.2.12.3.2.2 | Errors returned are fine-grained, that is, specific to error condition  (scmsV2-error = fine) | Table 4 | S1.2.12.3.2: O142 | □Yes □No |
| S1.2.12.3.2.3 | Another variant not specified here | 4.3.5 | S1.2.12.3.2: O142 | Reference to the used variant: ( text ) |
| S1.2.12.3.3 | HTTP optional headers | Table 4 | S1.2.12.3: M | □Yes □No |
| S1.2.12.3.3.1 | Support If-Unmodifed-Since | 4.3.5 | S1.2.12.3.3: O | □Yes □No |
| S1.2.12.3.3.2 | Support Range | 4.3.5 | S1.2.12.3.3: O | □Yes □No |
| S1.2.12.3.3.3 | Support other headers not listed here | 4.3.5 | S1.2.12.3.3: O | Reference to the used headers: ( text ) |
| S1.2.12.4 | Generate MA certificate request | 6.3.5.13 | S1.2.12: O143 | □Yes □No |
| S1.2.12.5 | Receive MA certificate request | 6.3.5.13 | S1.2.12: O143 | □Yes □No |
| S1.2.12.5.1 | Specify the values of download request parameters | Table 7 | S1.2.12.5: M | □Yes □No |
| S1.2.12.5.1.1 | Value of download-maxAge | Table 7 | S1.2.12.5.1: O | □Yes □No |
| S1.2.12.5.1.2 | Value of download-maxReqs | Table 7 | S1.2.12.5.1: O | □Yes □No |
| S1.2.12.5.1.3 | Value of download-minWait | Table 7 | S1.2.12.5.1: M | □Yes □No |
| S1.2.12.5.1.4 | Value of other parameters not listed here | 4.3.6 | S1.2.12.5.1: O | Reference to the parameters: ( text ) |
| S1.2.12.6 | Generate MA certificate response | 6.3.5.13, 7.2.5 | S1.2.12.5: M | □Yes □No |
| S1.2.12.7 | Receive MA certificate response | 6.3.5.13, 7.2.5 | S1.2.12.4: M | □Yes □No |
| EE – RA: Management information status download | | | | |
| S1.2.13 | Support management information status download | 6.3.5.14 | S1.2: O20 | □Yes □No |
| S1.2.13.1 | Support session level parameters | 4.3.3 | S1.2.13: M | □Yes □No |
| S1.2.13.1.1 | RA authentication | Table 2 | S1.2.13.1: M | □Yes □No |
| S1.2.13.1.1.1 | Using ISO/TS 21177  (session-scmsAuth = iso21177) | Table 2 | S1.2.13.1.1: O150 | □Yes □No |
| S1.2.13.1.1.2 | Using TLS 1.2  (session-scmsAuth = tls1.2) | Table 2 | S1.2.13.1.1: O150 | □Yes □No |
| S1.2.13.1.1.3 | Using TLS 1.3  (session-scmsAuth = tls1.3) | Table 2 | S1.2.13.1.1: O150 | □Yes □No |
| S1.2.13.1.1.4 | Using another method not specified here | 4.3.3 | S1.2.13.1.1: O150 | Reference to the used method: ( text ) |
| S1.2.13.1.2 | EE authentication | Table 2 | S1.2.13.1: O | □Yes □No |
| S1.2.13.1.2.1 | Using a valid IEEE 1609.2 enrollment certificate  (session-eeAuth = iso21177-enrollment) | Table 2 | S1.2.13.1.2: O | □Yes □No |
| S1.2.13.1.2.2 | Using a valid ITU-T X.509 certificate (session-eeAuth = tls1.2-x.509) | Table 2 | S1.2.13.1.2: O | □Yes □No |
| S1.2.13.1.2.3 | Using a valid ITU-T X.509 certificate (session-eeAuth = tls1.3-x.509) | Table 2 | S1.2.13.1.2: O | □Yes □No |
| S1.2.13.1.2.4 | Using another method not specified here | 4.3.3 | S1.2.13.1.2: O | Reference to the used method: ( text ) |
| S1.2.13.2 | Support Web API level parameters | 4.3.4 | S1.2.13: M | □Yes □No |
| S1.2.13.2.1 | Web API name | Table 3 | S1.2.13.2: M | □Yes □No |
| S1.2.13.2.1.1 | Support the SCMS REST API v2 (webApi-name = scmsV2) | Table 3 | S1.2.13.2.1: O151 | □Yes □No |
| S1.2.13.2.1.2 | Support another API not specified here | 4.3.4 | S1.2.13.2.1: O151 | Reference to the API specification: ( text ) |
| S1.2.13.2.2 | EE authentication | Table 3 | S1.2.13.2: O | □Yes □No |
| S1.2.13.2.2.1 | Using OAuth 2.0 bearer authorization (webApi-eeAuth = oAuth2.0) | Table 3 | S1.2.13.2.2: O | □Yes □No |
| S1.2.13.2.2.2 | Using another method not specified here | 4.3.4 | S1.2.13.2.2: O | Reference to the used method: ( text ) |
| S1.2.13.3 | Support SCMS REST API v2-specific parameters | 4.3.5 | S1.2.13.2.1.1: M | □Yes □No |
| S1.2.13.3.1 | EE authentication | Table 4 | S1.2.13.3: O | □Yes □No |
| S1.2.13.3.1.1 | Using another method not specified here | 4.3.5 | S1.2.13.3.1: O | Reference to the used method: ( text ) |
| S1.2.13.3.2 | Error | Table 4 | S1.2.13.3: M | □Yes □No |
| S1.2.13.3.2.1 | Errors returned are coarse-grained, that is, HTTP 500 (scmsV2-error = coarse) | Table 4 | S1.2.13.3.2: O152 | □Yes □No |
| S1.2.13.3.2.2 | Errors returned are fine-grained, that is, specific to error condition  (scmsV2-error = fine) | Table 4 | S1.2.13.3.2: O152 | □Yes □No |
| S1.2.13.3.2.3 | Another variant not specified here | 4.3.5 | S1.2.13.3.2: O152 | Reference to the used variant: ( text ) |
| S1.2.13.3.3 | HTTP optional headers | Table 4 | S1.2.13.3: O | □Yes □No |
| S1.2.13.3.3.1 | Support If-Unmodifed-Since | 4.3.5 | S1.2.13.3.3: O | □Yes □No |
| S1.2.13.3.3.2 | Support Range | 4.3.5 | S1.2.13.3.3: O | □Yes □No |
| S1.2.13.3.3.3 | Support other headers not listed here | 4.3.5 | S1.2.13.3.3: O | Reference to the used headers: ( text ) |
| S1.2.13.4 | Generate management information status request | 6.3.5.14 | S1.2.13: O153 | □Yes □No |
| S1.2.13.5 | Receive management information status request | 6.3.5.14 | S1.2.13: O153 | □Yes □No |
| S1.2.13.5.1 | Specify the values of download request parameters | Table 7 | S1.2.13.5: M | □Yes □No |
| S1.2.13.5.1.1 | Value of download-maxAge | Table 7 | S1.2.13.5.1: O | □Yes □No |
| S1.2.13.5.1.2 | Value of download-maxReqs | Table 7 | S1.2.13.5.1: O | □Yes □No |
| S1.2.13.5.1.3 | Value of download-minWait | Table 7 | S1.2.13.5.1: M | □Yes □No |
| S1.2.13.5.1.4 | Value of other parameters not listed here | 4.3.6 | S1.2.13.5.1: O | Reference to the parameters: ( text ) |
| S1.2.13.6 | Generate management information status response | 6.3.5.14, 7.2.5 | S1.2.13.5: M | □Yes □No |
| S1.2.13.7 | Receive management information status response | 6.3.5.14, 7.2.5 | S1.2.13.4: M | □Yes □No |

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