

***VALID CERTIFICATE AUTHORITY  
CERTIFICATION PRACTICE STATEMENT***

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## 1. INTRODUCTION

This document is VALID CA Certification Practice Statement (VALID CA CPS). It states the practices that VALID CA employs in providing certification services that include, but are not limited to, issuing, managing, revoking, and renewing certificates in accordance with the specific requirements of VALID CA Certificate Policies ("CTN CP").

This document is targeted at:

- ✓ VALID CA PKI service providers who have to operate in terms of their own Certificate Practices (CP) that complies with the requirements laid down by the CPS.
- ✓ VALID CA certificate Subscribers who need to understand how they are authenticated and what their obligations are as VALID CA subscribers and how they are protected under VALID CA.
- ✓ Relying parties who need to understand how much trust to place in a VALID CA certificate, or a digital signature using that certificate.

This CPS conforms to the Internet Engineering Task Force (IETF) RFC 3647 for Certificate Policy and Certification Practice Statement construction.

VALID CA conforms to the current version of:

- a) CA/Browser Forum - Baseline Requirements Certificate Policy for the Issuance and Management of Publicly-Trusted Certificates- version 1.4.8 (available at <https://cabforum.org/baseline-requirements-documents/>);
- b) CA/Browser Forum - Guidelines For The Issuance And Management Of Extended Validation Certificates – version 1.6.5 (available at <https://cabforum.org/extended-validation/>); and
- c) CA/Browser Forum - Guidelines For The Issuance And Management Of Extended Validation Code Signing Certificates – version 1.4 (available at <https://cabforum.org/ev-code-signing-certificate-guidelines/>) In the event of any inconsistency between this document and those Guidelines, those Guidelines take precedence over this document.

### 1.1 Overview

This CPS is applicable to VALID CA.

VALID Subordinates CAs operate as CAs under VALID CA CP, issuing end-user subscriber certificates.

Registration Authorities (RAs) are entities that authenticate certificate requests under VALID CA.

VALID and Affiliates act as RAs for certificates they issue. VALID and Affiliates also enter into contractual relationships with Enterprises who wish to manage their own certificate requests. These enterprise customers act as RAs, authenticating certificate requests for themselves and their affiliated individuals. VALID or the Affiliate will then issue these authenticated certificate requests.

Depending on the type of certificate, Digital Certificates MAY be used by Subscribers to secure websites, digitally sign code or other content, digitally sign documents and/or e-mails. The person who ultimately receives a signed document or communication, or accesses a secured website is referred to as a relying party, i.e., he/she is relying on the certificate and has to make a decision on whether to trust it.

A Relying Party MUST rely on a certificate in terms of the relevant Relying Party Agreement listed in VALID CA website.

### 1.2 Document Name and Identification

This document is VALID CA certification practice statement (VALID CA CPS).

### 1.3 PKI Participants

2 As described at VALID CA CP, Section 1.3.

### 2.1 Certificate Usage

VALID CA issues certificate to be used by Subscribers to secure websites

### 2.2 Policy Administration

## 2.2.1 Organization Administering the Document

VALID CERTIFICADORA DIGITAL

1000, Paulista Avenue – Ground floor – Bela Vista – São Paulo/SP – CEP 01310-100 – Brasil

## 2.2.2 Contact Person

VALID CERTIFICADORA DIGITAL

NORMAS & COMPLIANCE

1000, Paulista Avenue – Ground floor – Bela Vista – São Paulo/SP – CEP 01310-100 – Brasil

(55 - 11 - 2575-6800) / [pki.compliance@valid.com](mailto:pki.compliance@valid.com)

## 2.2.3 Person Determining CP Suitability for the Policy

VALID CA Policy Management Department (PMD), named as “Normas e Compliance” determines the suitability and applicability of this CPS.

## 2.2.4 CPS Approval Procedure

Approval of this CPS and subsequent amendments SHALL be made by the PMD. Amendments SHALL either be in the form of a document containing an amended form of the CPS or an update notice. Amended versions or updates SHALL be linked to the Practices Updates and Notices section of the VALID Repository located at: <http://global.validcertificadora.com.br/ca-valid/cps-valid.pdf>

Updates supersede any designated or conflicting provisions of the referenced version of this CPS.

## 2.3 Definitions and Acronyms

### 2.3.1 Definitions

See Appendix A for a table of definitions.

### 2.3.2 Acronyms

See Appendix A for a table of acronyms.

### 2.3.3 References

See Appendix B for a list of References.

### 2.3.4 Conventions

The key words “MUST”, “MUST NOT”, “REQUIRED”, “SHALL”, “SHALL NOT”, “SHOULD”, “SHOULD NOT”, “RECOMMENDED”, “MAY”, and “OPTIONAL” in these Requirements SHALL be interpreted in accordance with RFC 2119.

## 2. PUBLICATION AND REPOSITORY RESPONSIBILITIES

### 2.1 Repositories

VALID is responsible for maintaining a publicly accessible online repository, as well as revocation information concerning Certificates it issues.

### 2.2 Publication of Certificate Information

VALID maintains a web-based repository that permits Relying Parties to make online inquiries regarding revocation and other Certificate status information. Any exception to this SHALL be approved by the PMD on a case by case basis and MUST be documented in the appropriate CP. VALID and Affiliates provide Relying Parties with information on how to find the appropriate repository to check Certificate status and, if OCSP (Online Certificate Status Protocol) is available, how to find the right OCSP responder.

VALID publishes the Certificates it issues on behalf of its own CAs, and the CAs in their Sub-domain. Upon revocation of an end-user Subscriber’s Certificate, VALID publishes notice of such revocation in the repository. In addition, VALID issues Certificate Revocation Lists (CRLs) and, if available, provide OCSP services (Online Certificate Status Protocol) for its own CAs and the CAs within their respective Sub-domains.

VALID will at all times publish a current version of the following documents in its repositories:

- ✓ This VALID CA CPS,
- ✓ VALID ROOT CA CPS
- ✓ VALID CA CP and CPS,
- ✓ Subscriber Agreements,
- ✓ Relying Party Agreements

VALID guarantees that its repository is accessible online on a 24x7 basis and that its CP and/or CPS disclose its VALID CA business practices as required by WebTrust for CAs and ETSI TS 102 042 and ETSI EN 319 411-1.

**2.3 Time or Frequency of Publication**

As described at VALID CA CP, Section 2.3.

**2.4 Access Controls on Repositories**

As described at VALID CA CP.

**3. NAMING**

Names appearing in Certificates issued under VALID CA are authenticated.

**3.1 Type of Names**

VALID ROOT CA Certificates contains:

- ✓ an X.501 Distinguished Name (DN) in the Subject name field and in the Issuer Name field,
- ✓ MAY contain multiple OU attributes,
- ✓ its DN is formed as below:

Attribute	Value
Country (C) =	2-letter ISO country code or not used.
Organization (O) =	<organization name>
Organizational Unit (OU) =	<organization unit>
State or Province (ST) =	Indicates the Subscriber's State or Province (OPTIONAL)
Locality (L) =	Indicates the Subscriber's Locality (Locality is not a REQUIRED field in certificates issued to individuals). (Optional)
Common Name (CN) =	. OCSP Responder Name (for OCSP Responder Certificates) . Domain name (for web server Certificates)

**Table 2 - Distinguished Name Attributes in End User Subscriber Certificates**

**3.1.1 CABF Naming Requirements**

Not applicable.

**3.1.1.1 CABF Naming Requirements for EV**

Not applicable.

**3.1.2 Need for Names to be Meaningful**

VALID CA End-user Subscriber Certificates shall contain names with commonly understood semantics permitting the determination of the identity of the individual or organization that is the Subject of the Certificate.

**3.1.3 Anonymity or Pseudonymity of Subscribers**

Subscribers are not permitted to use pseudonyms (names other than a Subscriber's true personal or organizational name). Each request for anonymity in a certificate will be evaluated on its merits by the PMD and, if allowed the certificate will indicate that identity has been authenticated but is protected. Uniqueness of Names.

**3.1.4 Rules for Interpreting Various Name Forms**

No stipulation.

**3.1.5 Uniqueness of Names**

VALID ensures that Subject Distinguished Name (DN) of the Subscriber is unique within the domain of a specific CA through automated components of the Subscriber enrollment process.

It is possible for a Subscriber to have two or more certificates with the same Subject Distinguished Name (DN).

### 3.1.6 Recognition, Authentication, and Role of Trademarks

Certificate Applicants SHALL NOT use names in their Certificate Applications that infringe upon the Intellectual Property Rights of others. VALID SHALL be REQUIRED to determine whether a Certificate Applicant has Intellectual Property Rights in the name appearing in a Certificate Application or to arbitrate, mediate, or otherwise resolve any dispute concerning the ownership of any domain name, trade name, trademark, or service mark, and VALID CA SHALL be entitled, without liability to any Certificate Applicant, to reject or suspend any Certificate Application because of such dispute.

## 3.2 Initial Identity Validation

### 3.2.1 Method to Prove Possession of Private Key

The certificate applicant MUST demonstrate that it rightfully holds the private key corresponding to the public key to be listed in the Certificate.

The method to prove possession of a private key SHALL be PKCS #07, another cryptographically equivalent demonstration, or another VALID-approved method.

### 3.2.2 CABF Verification Requirements for EV

Not applicable.

### 3.2.3 Authentication of Organization and Domain Identity

Whenever a certificate contains an organization name, the identity of the organization and other enrollment information provided by Certificate Applicants (except for Non-verified Subscriber Information) is confirmed in accordance with the procedures set forth in this CPS and/or VALID internal documents.

If the Applicant requests a Certificate that will contain Subject Identity Information comprised only of the countryName field, then VALID SHALL verify the country associated with the Subject using a verification process meeting the requirements of Section 3.2.2.3 and that is described in this CP and/or VALID's internal documents. If the Applicant requests a Certificate that will contain the countryName field and other Subject Identity Information, VALID SHALL verify the identity of the Applicant, and the authenticity of the Applicant Representative's certificate request using a verification process meeting the requirements of this Section 3.2.2.1 and that is described in this CPS and/or VALID's internal documents.

VALID SHALL inspect any document relied upon under this Section for alteration or falsification.

#### 3.2.3.1 Identity

VALID SHALL verify the identity and address of the Applicant using:

- a) Documentation provided by the Applicant and
- b) Determine that the organization exists by using at least one third party identity proofing service or database, or alternatively, organizational documentation issued by or filed with the applicable government agency or recognized authority that confirms the existence of the organization.

VALID CA MAY use the same documentation or communication described above to verify both the Applicant's identity and address.

Alternatively, VALID CA MAY verify the address of the Applicant (but not the identity of the Applicant) using a utility bill, bank statement, credit card statement, government-issued tax document, or other form of identification that VALID CA determines to be reliable.

#### 3.2.3.2 DBA/Tradename

If the Subject Identity Information is to include a DBA or tradename, VALID CA SHALL verify the Applicant's right to use the DBA/tradename using at least one of the following:

- a) Documentation provided by, or communication with, a government agency in the jurisdiction of the Applicant's legal creation, existence, or recognition;
- b) A Reliable Data Source;
- c) Communication with a government agency responsible for the management of such DBAs or tradenames;
- d) An Attestation Letter accompanied by documentary support; or
- e) A utility bill, bank statement, credit card statement, government-issued tax document, or other form of identification that VALID CA determines to be reliable.

#### 3.2.3.3 Verification of Country

VALID CA SHALL verify the country associated with the Subject using one of the following:

- (a) Information provided by the Domain Name Registrar; or
- (b) A method identified in Section 3.2.2.1.

#### **3.2.3.4 Validation of Domain Authorization or Control**

Not applicable

#### **3.2.3.5 Authentication for an IP Address**

Not applicable.

#### **3.2.3.6 Wildcard Domain Validation**

Not applicable.

#### **3.2.3.7 Data Source Accuracy**

Prior to using any data source as a Reliable Data Source, VALID CA evaluate the source for its reliability, accuracy, and resistance to alteration or falsification. VALID CA SHOULD consider the following during its evaluation:

- a) The age of the information provided,
- b) The frequency of updates to the information source,
- c) The data provider and purpose of the data collection,
- d) The public accessibility of the data availability, and
- e) The relative difficulty in falsifying or altering the data.

Databases maintained by VALID CA, its owner, or its affiliated companies do not qualify as a Reliable Data Source if the primary purpose of the database is to collect information for the purpose of fulfilling the validation requirements under this Section 3.2

#### **3.2.3.8 CAA Records**

Not applicable.

#### **3.2.3.9 CABF Verification Requirements for Organization Applicants**

Not applicable.

#### **3.2.4 Authentication of Individual Identity**

Not applicable.

#### **3.2.5 Non-Verified Subscriber information**

Non-verified subscriber information includes:

- ✓ Organization Unit (OU) with certain exceptions<sup>1</sup>
- ✓ Any other information designated as non-verified in VALID CA CP

#### **3.2.6 Validation of Authority**

If the Applicant for a Certificate containing Subject Identity Information is an organization, VALID CA SHALL use a Reliable Method of Communication to verify the authenticity of the Applicant Representative's certificate request.

VALID CA MAY use the sources listed in section 3.2.2.1 to verify the Reliable Method of Communication.

Provided that VALID CA uses a Reliable Method of Communication, VALID CA MAY establish the authenticity of the certificate request directly with the Applicant Representative or with an authoritative source within the Applicant's organization, such as the Applicant's main business offices, corporate offices, human resource offices, information technology offices, or other department that VALID CA deems appropriate.

#### **3.2.7 CABF Verification Requirements for SLL Certificates**

Not applicable.

#### **3.2.8 Criteria for Interoperation**

VALID MAY provide interoperation services that allow any CA to be able to interoperate with VALID CA by unilaterally certifying that CA. CAs enabled to interoperate in this way will comply with VALID CA CP as supplemented by additional policies when required.

VALID SHALL only allow interoperation with VALID CA of any CA in circumstances where VALID CASHALL at a minimum:

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<sup>1</sup> Domain-validated and organization-validated certificates MAY contain Organizational Unit values that are validated.

- ✓ Enters into a contractual agreement with VALID or an Affiliate
- ✓ Operates under a CPS that meets VALID CA requirements for the type of certificates it will issue
- ✓ Passes a compliance assessment before being allowed to interoperate
- ✓ Passes an annual compliance assessment for ongoing eligibility to interoperate.

VALID CA SHALL disclose all Cross Certificates that identify VALID CA as the Subject, provided that VALID CA arranged for or accepted the establishment of the trust relationship (i.e. the Cross Certificate at issue).

### **3.2.9 Identification and Authentication for Re-key Requests**

Prior to the expiration of an existing Subscriber's Certificate, it is necessary for the Subscriber to obtain a new certificate to maintain continuity of Certificate usage. VALID CA requires that the Subscriber generate a new key pair to replace the expiring key pair (technically defined as "rekey").

### **3.2.10 Identification and Authentication for Routine Re-key**

Re-key procedures ensure that the person or organization seeking to rekey an end-user Subscriber Certificate is in fact the Subscriber of the previous Certificate.

VALID CA requires the same process as described at 4.1. section.

### **3.2.11 Identification and Authentication for Re-key After Revocation**

VALID CA requires the same process as described at 4.1. section.

## **3.3 Identification and Authentication for Revocation Request**

Revocation procedures ensure prior to any revocation of any Certificate that the revocation has in fact been requested by the Certificate's Subscriber, the entity that approved the Certificate Application, or the applicable CA.

Acceptable procedures for authenticating the revocation requests of a Subscriber include:

- ✓ Having the Subscriber for certain certificate types submit the Subscriber's Challenge Phrase (or the equivalent thereof), and revoking the Certificate automatically if it matches the Challenge Phrase (or the equivalent thereof) on record. (Note that this option MAY NOT be available to all customers.)
- ✓ Receiving a message from the Subscriber that requests revocation and contains a digital signature verifiable with reference to the Certificate to be revoked,
- ✓ Communication with the Subscriber providing reasonable assurances that the person or organization requesting revocation is, in fact the Subscriber. Such communication, depending on the circumstances, MAY include one or more of the following: telephone, facsimile, e-mail, postal mail, or courier service.

The requests to revoke a CA Certificate SHALL be authenticated by the requesting entity's Superior entity to ensure that the CA has in fact requested the revocation.

## **4. CERTIFICATE LIFE-CYCLE OPERATIONAL REQUIREMENTS**

### **4.1. Certificate Application**

#### **4.1.1 Who Can Submit a Certificate Application?**

Below is a list of people who MAY submit certificate applications:

- ✓ Any individual who is the subject of the certificate,
- ✓ Any authorized representative of an Organization or entity,
- ✓ Any authorized representative of a CA.

### **4.2 Certificate Application Processing**

VALID CA SHALL perform identification and authentication of all required Subscriber information in terms of Section 3.2.

VALID CA begins processing certificate applications within a reasonable time of receipt. There is no time stipulation to complete the processing of an application.

A certificate application remains active until rejected.



#### **4.2.1 CABF Certificate Application Requirements**

Not applicable

#### **4.2.2 Certificate Application Processing**

VALID CA SHALL perform identification and authentication of all required Subscriber information in terms of Section 3.2.

VALID CA begins processing certificate applications within a reasonable time of receipt. There is no time stipulation to complete the processing of an application.

A certificate application remains active until rejected

#### **4.2.2 CABF Requirements for SSL Certificates**

Not applicable

#### **4.2.3 Approval or Rejection of Certificate Applications**

An RA will approve an application for a certificate if the following criteria are met:

- ✓ Successful identification and authentication of all required Subscriber information in terms of Section 3.2
- ✓ Payment (if applicable) has been received

An RA will reject a certificate application if:

- ✓ identification and authentication of all required Subscriber information in terms of Section 3.2 cannot be completed, or
- ✓ The Subscriber fails to furnish supporting documentation upon request
- ✓ The Subscriber fails to respond to notices within a specified time, or
- ✓ Payment (if applicable) has not been received, or
- ✓ The RA believes that issuing a certificate to the Subscriber MAY bring VALID CA into disrepute

#### **4.2.4 CABF Requirements for SSL Certificates**

Not applicable

#### **4.2.5 Time to Process Certificate Applications**

CAs and RAs begin processing certificate applications within a reasonable time of receipt. There is no time stipulation to complete the processing of an application unless otherwise indicated in the relevant Subscriber Agreement, CPS or other Agreement between VALID CA participants.

A certificate application remains active until rejected.

#### **4.2.6 CABF Certificate Authority Authorization (CAA) Requirement**

VALID checks Certificate Authority Authorization (CAA) records as part of its public SSL certificate authentication and verification processes. 'Public SSL Certificates' are those that are chain up to our publicly available root certificates and which meet CA/Browser Forum Baseline and Extended Validation Requirements.

### **4.3 Certificate Issuance**

#### **4.3.1 CA Actions during Certificate Issuance**

A Certificate is created and issued following the approval of a Certificate Application by VALID CA. VALID CA creates and issues a Certificate based on the information in a Certificate Application following approval of such Certificate Application.

Certificate issuance by VALID CD SHALL require an individual authorized by VALID CA (i.e. VALID CA system operator, system officer, or PKI administrator) to deliberately issue a direct command in order for VALID CA to perform a certificate signing operation.

#### **4.3.2 Notifications to Subscriber by a CA of Issuance of Certificate**

Not applicable.

### **4.4 Certificate Acceptance**

#### **4.4.1 Conduct Constituting Certificate Acceptance**

The following conduct constitutes certificate acceptance:

- ✓ Downloading a Certificate or installing a Certificate from a message attaching it constitutes the Subscriber's acceptance of the Certificate.
- ✓ Failure of the Subscriber to object to the certificate or its content constitutes certificate acceptance.

#### 4.4.2 Publication of the Certificate by the CA

VALID CA publishes the Certificates it issues in a publicly accessible repository.

#### 4.4.3 Notification of Certificate Issuance by a CA to Other Entities

RAs MAY receive notification of the issuance of certificates they approve. Key Pair and Certificate Usage

### 4.5 Key Pair and Certificate Usage

#### 4.5.1 Subscriber Private Key and Certificate Usage

Use of the Private Key corresponding to the public key in the certificate SHALL only be permitted once the Subscriber has agreed to the Subscriber Agreement and accepted the certificate. The certificate SHALL be used lawfully in accordance with VALID's Subscriber Agreement the terms of this CPS. Certificate use MUST be consistent with the KeyUsage field extensions included in the certificate.

Subscribers SHALL protect their private keys from unauthorized use and SHALL discontinue use of the private key following expiration or revocation of the certificate. Parties other than the Subscriber SHALL NOT archive the Subscriber Private Key except as set forth in section 4.12.

#### 4.5.2 Relying Party Public Key and Certificate Usage

Relying parties SHALL assent to the terms of the applicable Relying Party Agreement as a condition of relying on the certificate.

Reliance on a certificate MUST be reasonable under the circumstances. If the circumstances indicate a need for additional assurances, the Relying Party MUST obtain such assurances for such reliance to be deemed reasonable.

Before any act of reliance, Relying Parties SHALL independently assess:

- ✓ the appropriateness of the use of a Certificate for any given purpose and determine that the Certificate will, in fact, be used for an appropriate purpose that is not prohibited or otherwise restricted by this CPS.

VALID CA are not responsible for assessing the appropriateness of the use of a Certificate.

- ✓ that the certificate is being used in accordance with the KeyUsage field extensions included in the certificate.
- ✓ the status of the certificate and all the CAs in the chain that issued the certificate. If any of the Certificates in the Certificate Chain have been revoked, the Relying Party is solely responsible to investigate whether reliance on a digital signature performed by an end-user Subscriber Certificate prior to revocation of a Certificate in the Certificate chain is reasonable. Any such reliance is made solely at the risk of the Relying party.

Assuming that the use of the Certificate is appropriate, Relying Parties SHALL utilize the appropriate software and/or hardware to perform digital signature verification or other cryptographic operations they wish to perform, as a condition of relying on Certificates in connection with each such operation. Such operations include identifying a Certificate Chain and verifying the digital signatures on all Certificates in the Certificate Chain.

### 4.6 Certificate Renewal

Certificate renewal is the issuance of a new certificate to the subscriber without changing the public key or any other information in the certificate.

VALID CA doesn't allow certificate renewal.

### 4.7 Certificate Re-Key

Certificate rekey is the application for the issuance of a new certificate that certifies the new public key.

VALID CA requests the Applicant to submit a new certificate application to issue a new certificate.

### 4.8 Certificate Modification

Certificate modification refers to the application for the issuance of a new certificate due to changes in the information in an existing certificate (other than the subscriber's public key).

Certificate modification is considered a Certificate Application in terms of Section 4.1.

## 4.9 Certificate Revocation and Suspension

### 4.9.1 Circumstances for Revocation

#### 4.9.1.1. Reasons for Revoking a Subscriber Certificate

Only in the circumstances listed below, will an end-user Subscriber certificate be revoked by VALID CA (in behalf of the Subscriber) and published on a CRL.

An end-user Subscriber Certificate is revoked if:

1. The Subscriber requests in writing that VALID CA revoke the Certificate;
2. The Subscriber notifies VALID CA that the original certificate request was not authorized and does not retroactively grant authorization;
3. VALID CA, a RA, a Customer or a Subscriber obtains evidence that the Subscriber's Private Key corresponding to the Public Key in the Certificate suffered a Key Compromise or no longer complies with the requirements of Sections 6.1.5 and 6.1.6;
4. VALID CA, a RA, a Customer or a Subscriber obtains evidence that the Certificate was misused;
5. VALID CA, a RA or a Customer is made aware that a Subscriber has violated one or more of its material obligations under the Subscriber Agreement or Terms of Use;
6. VALID CA, a RA or a Customer is made aware of any circumstance indicating that use of a FQDN or IP address in the Certificate is no longer legally permitted<sup>4</sup>;
7. VALID CA, a RA or a Customer is made aware that a Wildcard Certificate has been used to authenticate a fraudulently misleading subordinate FQDN;
8. VALID CA, a RA or a Customer is made aware of a material change in the information contained in the Certificate;
9. VALID CA, a RA or a Customer is made aware that the Certificate was not issued in accordance with these Requirements or the VALID CA CP or CPS;
10. VALID CA determines that any of the information appearing in the Certificate is inaccurate or misleading
11. VALID CA ceases operations for any reason and has not made arrangements for another CA to provide revocation support for the Certificate;
12. VALID CA right to issue Certificates under these Requirements expires or is revoked or terminated, unless VALID CA has made arrangements to continue maintaining the CRL/OCSP Repository;
13. VALID CA is made aware of a possible compromise of the Private Key of the Subordinate CA used for issuing the Certificate;
14. Revocation is required by VALID CA CP and/or CPS;
15. The technical content or format of the Certificate presents an unacceptable risk to Application Software Suppliers or Relying Parties<sup>5</sup>;
16. The Subscriber Agreement with the Subscriber has been terminated;
17. The affiliation between an Enterprise Customer with a Subscriber is terminated or has otherwise ended;
18. The Subscriber has not submitted payment when due;
19. The Subscriber identity has not been successfully re-verified in accordance with section 3.3.2; or
20. The continued use of that certificate is harmful to VALID CA.  
When considering whether certificate usage is harmful to VALID CA, a CA and/or RA considers, among other things, the following:
  - ✓ The nature and number of complaints received
  - ✓ The identity of the complainant(s)
  - ✓ Relevant legislation in force
  - ✓ Responses to the alleged harmful use from the Subscriber

VALID CA Subscriber Agreements require end-user Subscribers to immediately notify VALID of a known or suspected compromise of its private key.

VALID CA or a RA MAY also revoke an Administrator Certificate if the Administrator's authority to act as Administrator has been terminated or otherwise has ended.

Subscriber Agreements require end-user Subscribers to immediately notify an AR of a known or suspected compromise of its private key.

#### **4.9.1.1 CABF Requirements**

VALID CA SHALL revoke a Certificate within 24 hours.

#### **4.9.1.2. Reasons for Revoking a Subordinate CA Certificate**

Not applicable.

#### **4.9.2 Who Can Request Revocation**

The Subscriber, RA, or Issuing CA can initiate revocation. Additionally, Subscribers, Relying Parties, Application Software Suppliers, and other third parties MAY submit Certificate Problem Reports informing VALID CA of reasonable cause to revoke the certificate.

Individual Subscribers can request the revocation of their own individual Certificates through an authorized representative of VALID or an RA.

In the case of organizational Certificates, a duly authorized representative of the organization SHALL be entitled to request the revocation of Certificates issued to the organization.

#### **4.9.3 Procedure for Revocation Request**

##### **4.9.3.1 Procedure for Requesting the Revocation of an End-User Subscriber Certificate**

Prior to the revocation of a Certificate, VALID CA verifies that the revocation has been requested by the Certificate's Subscriber, or the entity that approved the Certificate Application. Acceptable procedures for authenticating Subscriber revocation requests include:

- ✓ Having the Subscriber for certain certificate types submit the Subscriber's Challenge Phrase (or an equivalent thereof) and revoking the Certificate automatically if it matches the Challenge Phrase (or an equivalent thereof) on record,
- ✓ Receiving a message purporting to be from the Subscriber that requests revocation and contains a digital signature verifiable with reference to the Certificate to be revoked, and
- ✓ Communication with the Subscriber providing reasonable that the person or organization requesting revocation is, in fact the Subscriber. Depending on the circumstances, such communication MAY include one or more of the following: telephone, facsimile, e-mail, postal mail, or courier service.

The requests from CAs to revoke a CA Certificate shall be authenticated by their Superior Entities to ensure that the revocation has in fact been requested by the CA.

##### **4.9.4 Revocation Request Grace Period**

Revocation requests SHALL be submitted as promptly as possible within a commercially reasonable time.

##### **4.9.5 Time within Which CA Must Process the Revocation Request**

Commercially reasonable steps are taken to process revocation requests without delay.

VALID CA begins investigation of a Certificate Problem Report within 24 hours of receipt, and decides whether revocation or other appropriate action is warranted based on at least the following criteria:

- ✓ The nature of the alleged problem;
- ✓ The number of Certificate Problem Reports received about a particular Certificate or Subscriber;
- ✓ The entity making the complaint; and
- ✓ Relevant legislation.

The entity that approved a Subscriber's Certificate Application SHALL also be entitled to revoke or request the revocation of the Subscriber's Certificate.

Only VALID is entitled to request or initiate the revocation of the Certificates issued to its own CAs.

##### **4.9.6 Revocation Checking Requirements for Relying Parties**

Relying Parties SHALL check the status of Certificates on which they wish to rely. Relying Parties MAY check Certificate status is by consulting the most recent CRL from VALID CA.

#### **4.9.7 CRL Issuance Frequency**

VALID CA CRL SHALL be issued at least annually, but also within 24 hours whenever a CA Certificate is revoked.

#### **4.9.8 Maximum Latency for CRLs**

CRLs are posted to the VALID Repository within a commercially reasonable time after generation. This is generally done automatically within seconds of generation.

#### **4.9.9 On-Line Revocation Checking Requirements**

Not applicable.

#### **4.9.9.1 CABF Requirements for OCSP**

##### **Certificate Status for Subscriber Certificates**

VALID CA SHALL update information provided via an Online Certificate Status Protocol at least every 4 days. OCSP responses from this service MUST have a maximum expiration time of 10 days.

##### **Certificate Status for Subordinate CA Certificates**

VALID CA SHALL update information provided via an Online Certificate Status Protocol at least (i) every 4 days and (ii) within 1 hour after revoking a Certificate.

#### **4.9.10 Other Forms of Revocation Advertisements Available**

If the Subscriber Certificate is for a high-traffic FQDN, VALID CA relies on stapling, in accordance with RFC4366, to distribute its OCSP responses. In this case, VALID CA ensures that the Subscriber “staples” the OCSP response for the Certificate in its TLS handshake. VALID CA enforces this requirement on the Subscriber either contractually, through the Subscriber Agreement or Terms of Use, or by technical review measures implemented by VALID CA.

#### **4.9.11 Special Requirements Regarding Key Compromise**

VALID CA Participants SHALL be notified of an actual or suspected CA private key Compromise using commercially reasonable efforts. VALID CA shall use commercially reasonable efforts to notify potential Relying Parties if they discover, or have reason to believe, that there has been a Compromise of the private key of one of their own CAs or one of the CAs within their sub-domain.

#### **4.9.12 Circumstances for Suspension**

Not applicable.

#### **4.9.13 Who Can Request Suspension**

Not applicable.

#### **4.9.14 Procedure for Suspension Request**

Not applicable.

#### **4.9.15 Limits on Suspension Period**

Not applicable.

### **4.10 Certificate Status Service**

#### **4.10.1 Operational Characteristics**

The status of public certificates is available via CRL through VALID CA (at a URL specified in AC's CPS).

Revocation entries on a CRL MUST NOT be removed until “Expiry Date” of the revoked Certificate.

#### **4.10.2 Service Availability**

VALID CA operates and maintains its CRL capability with resources sufficient to provide a response time of ten seconds or less under normal operating conditions.

VALID CA maintains an online 24x7 Repository that application software can use to automatically check the current status of all unexpired Certificates issued by it.

VALID CA maintains a continuous 24x7 ability to respond internally to a high-priority Certificate Problem Report, and where appropriate, forward such a complaint to law enforcement authorities, and/or revoke a Certificate that is the subject of such a complaint.

#### **4.10.3 Optional Features**

Not applicable.

#### 4.11 End of Subscription

A subscriber MAY end a subscription for a VALID CA certificate by:

- ✓ Allowing his/her/its certificate to expire without renewing or re-keying that certificate
- ✓ Revoking of his/her/its certificate before certificate expiration without replacing the certificate.

#### 4.12 Key Escrow and Recovery

No VALID CA participant MAY escrow CA, RA or end-user Subscriber private keys.

### 5. FACILITY, MANAGEMENT, ANDE OPERATIONAL CONTROLS

#### 5.1 Physical Controls

VALID CA CP has documented detailed procedural control for CAs and RAs to adhere to.

#### 5.2 Procedural Controls

VALID CA CP has documented detailed procedural control for CAs and RAs to adhere to.

#### 5.3 Personnel Controls

VALID CA CP has documented detailed personnel control and security policies for CAs and RAs to adhere to.

#### 5.4 Audit Logging Procedures

As described at VALID CA CP, Section 5.4.

#### 5.5 Records Archival

As described at VALID CA CP, Section 5.5.

#### 5.6 Key Changeover

As described at VALID CA CP, Section 5.6.

#### 5.7 Compromise and Disaster Recovery

As described at VALID CA CP, Section 5.7.

#### 5.8 CA or RA Termination

As described at VALID CA CP, Section 5.8.

#### 5.9 Data Security

As described at VALID CA CP, Section 5.9.

### 6. TECHNICAL SECURITY CONTROLS

#### 6.1 Key Pair Generation and Installation

##### 6.1.1 Key Pair Generation

Key pair generation SHALL be performed using Trustworthy Systems and processes that provide the required cryptographic strength of the generated keys and prevent the loss, disclosure, modification, or unauthorized use of private keys. This requirement applies to end-user Subscribers, Enterprise Customers using, CAs pre-generating key pairs on end-user Subscriber hardware tokens.

VALID recommends that Automated Administration server key pair generation be performed using a FIPS 140-1 level 2 certified cryptographic module or other similar standard used in Brazil.

Generation of end-user Subscriber key pairs is generally performed by the Subscriber. The Subscriber typically uses a FIPS 140-1 level 1 certified cryptographic module provided with their browser software for key generation. For server Certificates, the Subscriber typically uses the key generation utility provided with the web server software.

##### 6.1.1.1 CABF CA Key Pair Generation Requirements

Not applicable.

##### 6.1.2 Private Key Delivery to Subscriber

Not applicable.

##### 6.1.3 Public Key Delivery to Certificate Issuer

Not applicable.

#### 6.1.4 CA Public Key Delivery to Relying Parties

VALID provides the full certificate chain (including the issuing CA and any CAs in the chain) to the end-user Subscriber upon Certificate issuance. VALID CA Certificates MAY also be downloaded from [www.validcertificadora.com.br/global/repositorio](http://www.validcertificadora.com.br/global/repositorio)

VALID make reasonable effort to the public keys of the VALID CA be included in Root Certificates that are already embedded within many popular software applications, making special root distribution mechanisms unnecessary. Also, in many instances, a Relying Party using the S/MIME protocol will automatically receive, in addition to the Subscriber's Certificate, the Certificates (and therefore the public keys) of all CAs subordinate to VALID CA.

#### 6.1.5 Key Sizes

Key pairs SHALL be of sufficient length to prevent others from determining the key pair's private key using cryptanalysis during the period of expected utilization of such key pairs.

VALID CA Standard is:

- ✓ key sizes for end-users: 4096 bit RSA
- ✓ digital signaturehash algorithm: SHA-2

##### 6.1.5.1 CABF Requirements for Key Sizes for EV

Not applicable.

#### 6.1.6 Public Key Parameters Generation and Quality Checking

RSA: VALID ROOT CERTIFICATION AUTHORITY SHALL confirms that the value of the public exponent is an odd number equal to 3 or more. Additionally, the public exponent SHOULD be in the range between 216+1 and 2256-1. The modulus SHOULD also have the following characteristics: an odd number, not the power of a prime, and have no factors smaller than 752. [Source: Section 5.3.3, NIST SP 800-89].

DSA: Although FIPS 800-57 says that domain parameters MAY be made available at some accessible site, compliant DSA certificates MUST include all domain parameters. This is to insure maximum interoperability among relying party software. VALID ROOT CERTIFICATION AUTHORITY MUST confirms that the value of the public key has the unique correct representation and range in the field, and that the key has the correct order in the subgroup. [Source: Section 5.3.1, NIST SP 800-89].

ECC: VALID ROOT CERTIFICATION AUTHORITY SHOULD confirms the validity of all keys using either the ECC Full Public Key Validation Routine or the ECC Partial Public Key Validation Routine. [Source: Sections 5.6.2.3.2 and 5.6.2.3.3, respectively, of NIST SP 56A: Revision 2].

#### 6.1.7 Key Usage Purposes (as per X.509 v3 Key Usage Field)

Private Keys corresponding to S/MINE Certificates MUST HAVE digitalSignature, nonRepudiation AND keyEncipherment bits activated.

#### 6.1.8 Private Key Protection and Cryptographic Module Engineering Controls

Subscribers are required by contract to take necessary precautions to prevent the loss, disclosure, modification, or unauthorized use of private keys.

#### 6.1.9 Cryptographic Module Standards and Controls

VALID recommends that enterprise RA Customers to perform all Automated Administration RA cryptographic operations on a cryptographic module rated at least FIPS 140-2 level 3 certified cryptographic module or other similar standard used in Brazil.

VALID recommends that SSL certificates to perform cryptographic operations on a cryptographic module rated at least 140-2 level 3 certified cryptographic module or other similar standard used in Brazil.

#### 6.1.10 Private Key (m out of n) Multi-Person Control

Not applicable.

#### 6.1.11 Private Key Escrow

VALID CA Private keys are not escrowed escrow for end user subscribers.

#### 6.1.12 Private Key Backup

VALID recommends that Enterprise Customers having Automated Administration tokens who are not subject to the service back up their private keys and protect them from unauthorized modification or disclosure by physical or cryptographic means.

VALID does not store copies of others private k

### 6.1.13 Private Key Archival

VALID does not archive copies of Subscriber private keys.

### 6.1.14 Private Key Transfer Into or From a Cryptographic Module

VALID CA Participants pre-generating private keys and transferring them into a hardware token, for example transferring generated end-user Subscriber private keys into a smart card, SHALL securely transfer such private keys into the token to the extent necessary to prevent loss, theft, modification, unauthorized disclosure, or unauthorized use of such private keys.

### 6.1.15 Private Key Storage on Cryptographic Module

Entry of a private key into a cryptographic module SHALL use mechanisms to prevent loss, theft, modification, unauthorized disclosure, or unauthorized use of such private key.

### 6.1.16 Method of Activating Private Key

VALID CA Standard for Subscribers Private Key protection is:

- ✓ Use a password in accordance with Section 6.4.1 or security of equivalent strength to authenticate the Subscriber before the activation of the private key, which includes, for instance, a password to operate the private key, or a Windows logon or screen saver password; and
- ✓ Take commercially reasonable measures for the physical protection of the Subscriber's workstation to prevent use of the workstation and its associated private key without the Subscriber's authorization.

When deactivated, private keys SHALL be kept in encrypted form only.

### 6.1.17 Method of Deactivating Private Key

End-user Subscribers SHALL protect their private keys. Such obligations extend to protection of the private key after a private key operation has taken place. The private key MAY be deactivated after each operation, upon logging off their system, or upon removal of a smart card from the smart card reader depending upon the authentication mechanism employed by the user.

End-user Subscriber private keys MAY be deactivated after each operation, upon logging off their system, or upon removal of a smart card from the smart card reader depending upon the authentication mechanism employed by the user. In all cases, end-user Subscribers have an obligation to adequately protect their private key(s) in accordance with its CPS.

### 6.1.18 Method of Destroying Private Key

Not applicable.

### 6.1.19 Cryptographic Module Rating

See Section 6.2.1

## 6.2 Other Aspects of Key Pair Management

### 6.2.1 Public Key Archival

VALID CA and end-user Subscriber Certificates are backed up and archived as part of VALID's routine backup procedures.

### 6.2.2 Certificate Operational Periods and Key Pair Usage Periods

The Operational Period for Certificates SHALL be set according to the time limits set forth in Table 3 below. End user Subscriber Certificates that are renewals of existing subscriber certificates MAY have a longer validity period (up to 3 months).

The usage period for end-user Subscriber key pairs is the same as the Operational Period for their Certificates, except that private keys MAY continue to be used after the Operational Period for decryption and signature verification. The Operational Period of a Certificate ends upon its expiration or revocation. A CA SHALL NOT issue Certificates if their Operational Periods would extend beyond the usage period of the key pair of the CA. Therefore, the CA key pair usage period is necessarily shorter than the operational period of the CA Certificate. Specifically, the usage period is the Operational Period of the CA Certificate minus the Operational Period of the Certificates that the CA issues. Upon the end of the usage period for a Subscriber or CA key pair, the Subscriber or CA SHALL thereafter cease all use of the key pair, except to the extent a CA needs to sign revocation information until the end of the Operational Period of the last Certificate it has issued.

Except as noted in this section, VALID CA Applicants SHALL cease all use of their key pairs after their usage periods have expired.

Any exception to this procedure requires approval from the PMD and MUST be documented in the relevant CPS.



Certificates issued by CAs to end-user Subscribers MAY have Operational Periods longer than three years, up to six years, if the following requirements are met:

- ✓ Protection of the Subscriber key pairs in relation to its operational environment for Organization Certificates, operation with the enhanced protection of a data center and for Individual Certificates, the Subscribers' key pairs reside on a hardware token, such as a smart card,
- ✓ Subscribers are REQUIRED to undergo re-authentication procedures at least every 3 years under CP Section 3.2.3,
- ✓ If a Subscriber is unable to complete re-authentication procedures under CP Section 3.2.3 successfully or is unable to prove possession of such private key when REQUIRED by the foregoing, the CA SHALL automatically revoke the Subscriber's Certificate.

Any exception to this procedure requires approval from the PMD and MUST be documented in the relevant CPS.

### **6.3.2.1 CABF Validity Period Requirements**

Subscriber Certificates MUST have a Validity Period no greater than 825 days.

#### **6.3.2.1.1 CABF Validity Period Requirements for EV**

Not applicable.

## **6.3 Activation Data**

### **6.3.1 Activation Data Generation and Installation**

VALID strongly recommends that all Subscribers choose passwords that meet VALID CA password selection guidelines:

- ✓ be generated by the user;
- ✓ have at least fifteen characters;
- ✓ have at least one alphabetic and one numeric character;
- ✓ have at least one lower-case letter;
- ✓ not contain many occurrences of the same character;
- ✓ not be the same as the operator's profile name; and
- ✓ not contain a long substring of the user's profile name.

VALID also recommends the use of two factor authentication mechanisms (e.g., token and passphrase, biometric and token, or biometric and passphrase) for private key activation.

### **6.3.2 Activation Data Protection**

End-user Subscribers SHALL protect the activation data for their private keys, if any, to the extent necessary to prevent the loss, theft, modification, unauthorized disclosure, or unauthorized use of such private keys.

VALID strongly recommends that all Subscribers store their private keys in encrypted form and protect their private keys through the use of a hardware token and/or strong passphrase. The use of two factor authentication mechanisms (e.g., token and passphrase, biometric and token, or biometric and passphrase) is encouraged.

### **6.3.3 Other Aspects of Activation Data**

#### **6.3.3.1 Activation Data Transmission**

Not applicable.

#### **6.3.3.2 Activation Data Destruction**

Not applicable.

#### **6.3.4 Computer Security Controls**

Not applicable.

## **6.4 Life Cycle Technical Controls**

### **6.4.1 System Development Controls**

Applications are developed and implemented by VALID in accordance with VALID systems development and change management standards. VALID also provides software to its Enterprise Customers for performing RA and certain CA functions. Such software is developed in accordance with VALID system development standards.

VALID developed software, when first loaded, provides a method to verify that the software on the system originated from VALID, has not been modified prior to installation, and is the version intended for use.

#### 6.4.2 Security Management Controls

VALID has mechanisms and/or policies in place to control and monitor the configuration of its CA systems. VALID validates the integrity of its CA systems.

#### 6.4.3 Life Cycle Security Controls

No stipulation.

#### 6.5 Network Security Controls

Not applicable.

#### 6.6 Time-Stamping

Certificates, CRLs, and other revocation database entries SHALL contain time and date information.

### 7. CERTIFICATE, CRL, AND OCSP PROFILES

#### 7.1 Certificate Profile

As described at VALID CA CP, Section 7.1.

##### 7.1.1 Version Number(s)

As described at VALID CA CP, Section 7.1.1.

##### 7.1.2 Certificate Extensions

As described at VALID CA CP, Section 7.1.2

##### 7.1.2.1 Subject Alternative Names

The subjectAltName extension of X.509 Version 3 Certificates are populated in accordance with RFC 5280. The criticality field of this extension SHALL be set to FALSE.

##### 7.1.2.2 CABF Requirement for Certificate Policies Extension

As described in Section 7.1.4.2.

##### 7.1.2.3 CABF Requirement for Certificate Policies Extension for EV

Not applicable.

##### 7.1.2.4 CABF Requirement for Certificate Policies Extension for EV Code Signing Certificates

Not applicable.

##### 7.1.2.5 Application of RFC 5280

For purposes of clarification, a Precertificate, as described in RFC 6962 – Certificate Transparency, shall not be considered to be a “certificate” subject to the requirements of RFC 5280 - Internet X.509 Public Key Infrastructure Certificate and Certificate Revocation List (CRL) Profile under these Baseline Requirements.

#### 7.1.3 Algorithm Object Identifiers

VALID CA Certificates are signed using one of following algorithms:

- ✓ sha256withRSAEncryption OBJECT IDENTIFIER ::= {iso(1) member-body(2) us(840) rsadsi(113549) pkcs(1) pkcs-1(1) 11}
- ✓ ecdsa-with-Sha256 OBJECT IDENTIFIER ::= {iso(1) member-body(2) us(840) ansi-X9-62(10045) signatures(4) ecdsa-with-SHA2 (3) 2}
- ✓ ecdsa-with-Sha384 OBJECT IDENTIFIER ::= {iso(1) member-body(2) us(840) ansi-X9-62(10045) signatures(4) ecdsa-with-SHA2 (3) 3}
- ✓ sha-1WithRSAEncryption OBJECT IDENTIFIER ::= {iso(1) member-body(2) us(840) rsadsi(113549) pkcs(1) pkcs-1(1) 5}

Certificate signatures produced using these algorithms SHALL comply with RFC 3279.

##### 7.1.3.1 CABF Algorithm Object Identifiers Requirements

- CAs MUST NOT issue any new Subscriber certificates using the SHA-1 hash algorithm.
- CAs MAY continue to use their existing SHA-1 Root Certificates.
- SHA-2 Subscriber certificates SHOULD NOT chain up to a SHA-1 Subordinate CA Certificate.

#### 7.1.4 Name Forms

VALID CA Certificates are populated with the Issuer Name and Subject Distinguished Name required under CPS Section 3.1.1.

In addition, end-user Subscriber Certificates generally include an additional Organizational Unit field that contains a notice stating that the terms of use of the Certificate are set forth in a URL, and the URL SHALL be a pointer to the applicable

Relying Party Agreement. Exceptions to the foregoing requirement SHALL be permitted when space, formatting, or interoperability limitations within Certificates make such an Organizational Unit impossible to use in conjunction with the application for which the Certificates are intended, or if a pointer to the applicable Relying Party Agreement is included in the policy extension of the certificate.

#### **7.1.4.1 Issuer Information**

The content of the Certificate Issuer Distinguished Name field MUST match the Subject DN of the Issuing CA to support Name chaining as specified in RFC 5280, section 4.1.2.4.

#### **7.1.4.2 Subject Information – Subscriber Certificates**

By issuing the Certificate, VALID CA represents that it followed the procedure set forth in this CP and/or CPS to verify that, as of the Certificate's issuance date, all of the Subject Information was accurate.

For SSL Certificates, VALID CA will not include a Domain Name or IP Address in a Subject attribute.

##### **7.1.4.2.1 CABF Subject Alternative Name Extension Requirements**

Certificate Field: extensions:subjectAltName

Required/Optional: Required

Contents:

- The subjectAlternativeName extension is REQUIRED and contains at least one entry.
- In SSL Certificates, each entry is either a dNSName containing the FQDN or an iPAddress containing the IP address of a server.
- VALID TRUST NETWORK confirms that the Applicant controls the FQDN or IP address or has been granted the right to use it by the Domain Name Registrant or IP address assignee, as appropriate.
- Wildcard FQDNs are permitted.

##### **7.1.4.2.2 Reserved IP Address or Internal Name**

VALID CA SHALL notify the Applicant that the use of such Certificates has been deprecated by the CA / Browser Forum and that the practice was eliminated by October 2016 and won't issue a Certificate with a subjectAlternativeName extension or Subject commonName field containing a Reserved IP Address or Internal Name.

##### **7.1.4.2.3 CABF Subject Distinguished Name Fields Requirements**

###### **a. Certificate Field: subject:commonName (OID 2.5.4.3)**

Required/Optional: Deprecated (Discouraged, but not prohibited)

Contents: If present, commonName MUST contain a FQDN Name that is also one of the values contained in the Certificate's subjectAlternativeName extension.

###### **b. Certificate Field: subject:organizationName (OID 2.5.4.10)**

Required/Optional: Required.

Contents:

- It MUST contain either the Subject CA's name or DBA as verified under Section 3.2.2.2.
- If the Subject is a natural person, because Subject name attributes for individuals (e.g. givenName (2.5.4.42) and surname (2.5.4.4)) are not broadly supported by application software, the CA MAY use the subject:organizationName field to convey the Subject's name or DBA (see CP section 3.2.2.1).
- If the fields include discrepancies that the CA considers minor, such as common variations and abbreviations, then the CA SHALL document the discrepancy and SHALL use locally accepted abbreviations when abbreviating the organization name (e.g., if the official record shows "Company Name Incorporated", the CA MAY include "Company Name, Inc.").

###### **c. Certificate Field: subject:givenName (2.5.4.42) and subject:surname (2.5.4.4)**

Required/Optional: Optional.

Contents:

- If present, the subject:givenName field and subject:surname field MUST contain an natural person Subject's name as verified under Section 3.2.3.
- A Certificate containing a subject:givenName field or subject:surname field MUST contain the (2.23.140.1.2.3) CP OID.

###### **d. Certificate Field: Number and street: subject:streetAddress (OID: 2.5.4.9)**

Required/Optional:

- Optional if the subject:organizationName field, subject: givenName field, or subject:surname field are present.
- Prohibited if the subject:organizationName field, subject:givenName, and subject:surname field are absent.
- Contents: If present, the subject:streetAddress field MUST contain the Subject's street address information as verified under Section 3.2.2.1.

**e. Certificate Field: subject:localityName (OID: 2.5.4.7)**

Required/Optional:

- Required if the subject:organizationName field, subject:givenName field, or subject:surname field are present and the subject:stateOrProvinceName field is absent.
- Optional if the subject:stateOrProvinceName field and the subject:organizationName field, subject:givenName field, or subject:surname field are present.
- Prohibited if the subject:organizationName field, subject:givenName, and subject:surname field are absent.

Contents: If present, the subject:localityName field MUST contain the Subject's locality information as verified under Section 3.2.2.1. If the subject:countryName field specifies the ISO 3166-1 user-assigned code of XX in accordance with Section 7.1.4.2.2(g), the localityName field MAY contain the Subject's locality and/or state or province information as verified under Section 3.2.2.1.

**f. Certificate Field: subject:stateOrProvinceName (OID: 2.5.4.8)**

Required/Optional:

- Required if the subject:organizationName field, subject:givenName field, or subject:surname field are present and subject:localityName field is absent.
- Optional if the subject:localityName field and the subject:organizationName field, and subject:givenName field, or subject:surname field are present.
- Prohibited if the subject:organizationName field, subject:givenName field, or subject:surname field are absent.

Contents: If present, the subject:stateOrProvinceName field MUST contain the Subject's state or province information as verified under Section 3.2.2.1. If the subject:countryName field specifies the ISO 3166-1 user-assigned code of XX in accordance with Section 7.1.4.2.2(g), the subject:stateOrProvinceName field MAY contain the full name of the Subject's country information as verified under Section 3.2.2.1.

**g. Certificate Field: subject:postalCode (OID: 2.5.4.17)**

Required/Optional:

- Optional if the subject:organizationName, subject:givenName field, or subject:surname fields are present.
- Prohibited if the subject:organizationName field, subject:givenName field, or subject:surname field are absent.

Contents: If present, the subject:postalCode field MUST contain the Subject's zip or postal information as verified under Section 3.2.2.1.

**h. Certificate Field: subject:countryName (OID: 2.5.4.6)**

Required/Optional:

- Required if the subject:organizationName field, subject:givenName, or subject:surname field are present.
- Optional if the subject:organizationName field, subject:givenName field, and subject:surname field are absent.

Contents:

If the subject:organizationName field is present, the subject:countryName MUST contain the two-letter ISO 3166-1 country code associated with the location of the Subject verified under Section 3.2.2.1.

If the subject:organizationName field is absent, the subject:countryName MAY contain the two-letter ISO 3166-1 country code associated with the Subject as verified in accordance with Section 3.2.2.3.

If a Country is not represented by an official ISO 3166-1 country code, VALID CA MAY specify the ISO 3166-1 user-assigned code of XX indicating that an official ISO 3166-1 alpha-2 code has not been assigned.

**i. Certificate Field: subject:organizationalUnitName**

Required/Optional: Optional.

- The CA implements a process that prevents an OU attribute from including a name, DBA, tradename, trademark, address, location, or other text that refers to a specific natural person or Legal Entity unless the CA has verified this information in accordance with CP section 3.2.2 and the Certificate also contains subject:organizationName, subject:localityName, and subject:countryName attributes, also verified in accordance with CP section 3.2.2.

**j. Other Subject Attributes**

- Optional attributes, when present in the subject field, MUST contain information that has been verified by the CA. Metadata such as ':', '-', and ' ' (i.e. space) characters, and/or any other indication that the value is absent, incomplete, or not applicable, MUST NOT be used.

**7.1.4.2.4 Subject Distinguished Name Fields for EV Certificates**

Not applicable.

**7.1.4.2.5 Subject Alternative Name Extension for EV Certificates**

Not applicable.

**7.1.4.2.6 Subject Distinguished Name Fields for EV Code Signing Certificates**

Not applicable.

**7.1.4.2.7 Subject Alternative Name Extension for EV Code Signing Certificates**

No stipulation.

**7.1.4.3 Subject Information – Root Certificates and Subordinate CA Certificates**

Not applicable.

**7.1.5 Name Constraints**

No stipulation.

**7.1.6 Certificate Policy Object Identifier**

VALID CA OID is defined as 1.3.6.1.4.1.47402.2.5.

**7.1.6.1 Reserved CP Identifiers**

Not applicable.

**7.1.6.2 Root CA Certificates**

Not applicable.

**7.1.6.3 Subordinate CA Certificates**

Not applicable.

**7.1.6.4 Subscriber Certificates**

A Certificate issued to a Subscriber MUST contain one or more policy identifier(s), defined by the Issuing CA, in the Certificate's certificatePolicies extension that indicates adherence to and compliance with these Requirements. CAs complying with these Requirements MAY also assert one of the reserved policy OIDs in such Certificates.

The issuing CA SHALL document in this CP or CPS that the Certificates it issues containing the specified policy identifier(s) are managed in accordance with these Requirements.

**7.1.6.5 CABF Requirements for CP Object Identifier**

**7.1.6.5.1 CABF Requirements for CP Object Identifier for EV**

Not applicable.

**7.1.7 Usage of Policy Constraints Extension**

No stipulation.

**7.1.8 Policy Qualifiers Syntax and Semantics**

VALID generally populates X.509 Version 3 VALID CA Certificates with a policy qualifier within the Certificate Policies extension. Generally, such Certificates contain a CPS pointer qualifier that points to the applicable Relying Party Agreement or this VALID CA CPS. In addition, some Certificates contain a User Notice Qualifier which points to the applicable Relying Party Agreement.

**7.1.9 Processing Semantics for the Critical Certificate Policies Extension**

No stipulation.

**7.2 CRL PROFILE**

As applicable to the Certificate type, corresponding CRLs conform to the current version of the CA/Browser Forum Baseline Requirements for the Issuance and Management of Publicly-Trusted Certificates.

Version 2 CRLs conform to RFC 5280 and contain the basic fields and contents specified in Table 13 below:

<b>Field</b>	<b>Value or value constraint</b>
Version	See Section 7.2.1.
Signature Algorithm	Algorithm used to sign the CRL in accordance with RFC 3279. (See Section 7.1.3)
Issuer	Entity who has signed and issued the CRL
Effective Date	Issue date of the CRL. CRLs are effective upon issuance
Next Update	Date by which the next CRL will be issued. CRL issuance frequency is in accordance with the requirements of Section 4.9.7
Revoked Certificates	Listing of revoked certificates, including the Serial Number of the revoked Certificate and the Revocation Date

**Table 13 - CRL Profile Basic Fields****7.2.1 Version Number(s)**

VALID supports both X.509 Version1 and Version 2 CRLs. Version 2 CRLs comply with the requirements of RFC 5280.

**7.2.2 CRL and CRL Entry Extensions**

No stipulation.

**7.3 OCSP Profile**

OCSP (Online Certificate Status Protocol) is a way to obtain timely information about the revocation status of a particular certificate.

Domain validated and organization validated SSL Certificates conform to VALID CA/ Browser Forum Baseline requirements.

OCSP Responses SHALL conform to RFC5019 and either be:

- ✓ Signed by VALID CA, that issued the Certificates whose revocation status is being checked, or
- ✓ Signed by an OCSP Responder whose Certificate is signed by VALID CA. Such OCSP Responder signing Certificate SHALL contain the extension id-pkix-ocsp-nocheck as defined by RFC6960.

**7.3.1 Version Number(s)**

Version 1 of the OCSP specification as defined by RFC6960 and Version 1 of the OCSP specification as defined by RFC 5019 are supported.

**7.3.2 OCSP Extensions**

VALID Service uses secure timestamp and validity period to establish the current freshness of each OCSP response. VALID does not use a nonce to establish the current freshness of each OCSP response and clients SHOULD NOT expect a nonce in the response to a request that contains a nonce. Instead, clients SHOULD use the local clock to check for response freshness.

**7.3.3 CABF Requirement for OCSP Signing for EV**

Not applicable.

**8. COMPLIANCE, AUDIT and OTHER ASSESSMENTS****8.1 Frequency and Circumstances of Assessment**

As described at VALID CA CP. Section 8.1.

**8.2 Identity/Qualifications of Assessor**

As described at VALID CA CP. Section 8.2.

**8.3 Assessor's Relationship to Assessed Entity**

As described at VALID CA CP. Section 8.3.

**8.4 Topics Covered by Assessment**

As described at VALID CA CP. Section 8.4.

**8.5 Actions Taken as a Result of Deficiency**

As described at VALID CA CP. Section 8.5.

**8.6 Communications of Results**

As described at VALID CA CP. Section 8.6.

**8.7 Self-Audits**

As described at VALID CA CP. Section 8.7.

**9. OTHER BUSINESS and LEGAL MATTERS****9.1 Fees****9.1.1 Certificate Issuance or Renewal Fees**

As described at VALID CA CP. Section 9.1.1.

**9.1.2 Certificate Access Fees**

As described at VALID CA CP. Section 9.1.2.

### **9.1.3 Revocation or Status Information Access Fees**

As described at VALID CA CP. Section 9.1.3.

### **9.1.4 Fees for Other Services**

As described at VALID CA CP. Section 9.1.4.

### **9.1.5 Refund Policy**

As described at VALID CA CP. Section 9.1.5.

## **9.2 Financial Responsibility**

### **9.2.1 Insurance Coverage**

As described at VALID CA CP. Section 9.2.1.

### **9.2.2 Other Assets**

As described at VALID CA CP. Section 9.2.2.

### **9.2.3 Extended Warranty Coverage**

As described at VALID CA CP. Section 9.2.3.

## **9.3 Confidentiality of Business Information**

### **9.3.1 Scope of Confidential Information**

As described at VALID CA CP. Section 9.3.1.

### **9.3.2 Information Not Within the Scope of Confidential Information**

As described at VALID CA CP. Section 9.3.2.

### **9.3.3 Responsibility to Protect Confidential Information**

As described at VALID CA CP. Section 9.3.3.

## **9.4 Privacy of Personal Information**

### **9.4.1 Privacy Plan**

As described at VALID CA CP. Section 9.4.1.

### **9.4.2 Information Treated as Private**

As described at VALID CA CP. Section 9.4.2.

### **9.4.3 Information Not Deemed Private**

As described at VALID CA CP. Section 9.4.3.

### **9.4.4 Responsibility to Protect Private Information**

As described at VALID CA CP. Section 9.4.4.

### **9.4.5 Notice and Consent to Use Private Information**

As described at VALID CA CP. Section 9.4.5.

### **9.4.6 Disclosure Pursuant to Judicial or Administrative Process**

As described at VALID CA CP. Section 9.4.6.

### **9.4.7 Other Information Disclosure Circumstances**

As described at VALID CA CP. Section 9.4.7.

## **9.5 Intellectual Property Rights**

### **9.5.1 Property Rights in Certificates and Revocation Information**

As described at VALID CA CP. Section 9.5.1.

### **9.5.2 Property Rights in the CP**

As described at VALID CA CP. Section 9.5.2.

### **9.5.3 Property Rights in Names**

As described at VALID CA CP. Section 9.5.3.

### **9.5.4 Property Rights in Keys and Key Material**

As described at VALID CA CP. Section 9.5.4.

## **9.6 Representations and Warranties**

### **9.6.1 CA Representations and Warranties**

As described at VALID CA CP. Section 9.6.1.

### **9.6.2 RA Representations and Warranties**

As described at VALID CA CP. Section 9.6.2.

### **9.6.3 Subscriber Representations and Warranties**

As described at VALID CA CP. Section 9.6.3.

### **9.6.4 Relying Party Representations and Warranties**

As described at VALID CA CP. Section 9.6.4.

### **9.6.5 Representations and Warranties of Other Participants**

No stipulation.

## **9.7 Disclaimers of Warranties**

As described at VALID CA CP. Section 9.7.

## **9.8 Limitations of Liability**

As described at VALID CA CP. Section 9.8.

### **9.8.1 Limitations of Liability for EV**

Not applicable.

## **9.9 Indemnities**

### **9.9.1 Indemnification by Subscribers**

As described at VALID CA CP. Section 9.9.1.

### **9.9.2 Indemnification by Relying Parties**

As described at VALID CA CP. Section 9.9.2.

### **9.9.3 Indemnification of Application Software Suppliers**

As described at VALID CA CP. Section 9.9.3.

## **9.10 Term and Termination**

### **9.10.1 Term**

As described at VALID CA CP. Section 9.10.1.

### **9.10.2 Termination**

As described at VALID CA CP. Section 9.10.2.

### **9.10.3 Effect of Termination and Survival**

As described at VALID CA CP. Section 9.10.3.

## **9.11 Individual Notices and Communications with Participants**

As described at VALID CA CP. Section 9.11.

## **9.12 Amendments**

### **9.12.1 Procedure for Amendment**

As described at VALID CA CP. Section 9.12.1.



**9.12.2 Notification Mechanism and Period**

As described at VALID CA CP. Section 9.12.2.

**9.12.3 Circumstances under Which OID Must be Changed**

As described at VALID CA CP. Section 9.12.3.

**9.13 Dispute Resolution Provisions**

**9.13.1 Disputes among VALID, Affiliates, and Customers**

As described at VALID CA CP. Section 9.13.1.

**9.13.2 Disputes with End-User Subscribers or Relying Parties**

As described at VALID CA CP. Section 9.13.2.

**9.14 Governing Law**

As described at VALID CA CP. Section 9.14.

**9.15 Compliance with Applicable Law**

As described at VALID CA CP. Section 9.15.

**9.16 Miscellaneous Provisions**

**9.16.1 Entire Agreement**

Not applicable

**9.16.2 Assignment**

Not applicable

**9.16.3 Severability**

As described at VALID CA CP. Section 9.16.3.

**9.16.4 Enforcement (Attorney's Fees and Waiver of Rights)**

Not applicable

**9.16.5 Force Majeure**

To the extent permitted by applicable law, Subscriber Agreements and Relying Party Agreements SHALL include a force majeure clause protecting VALID and the applicable Affiliate.

**9.16.6 Other Provisions**

Not applicable

**TABLE OF ACRONYMS AND DEFINITIONS**

<b>Term</b>	<b>Definition</b>
<b>AC Digital Notarization Service</b>	A service offered to Managed PKI SSL VALID Customers that provides a digitally signed assertion (a Digital Receipt) that a particular document or set of data existed at a particular point in time
<b>AC Participant</b>	An individual or organization that is one or more of the following within AC: VALID, an Affiliate, a Customer, a Reseller, a Subscriber, or a Relying Party
<b>AC PKI</b>	consists of systems that collaborate to provide and implement AC
<b>AC Repository</b>	VALID's database of Certificates and other relevant VALID SSL CERTIFICATION AUTHORITY information accessible on-line
<b>AC Standards</b>	The business, legal, and technical requirements for issuing, managing, revoking, renewing, and using Certificates within AC
<b>Accounting Practitioner</b>	A certified public accountant, chartered accountant, or a person with an equivalent license within the country of the Applicant's Jurisdiction of Incorporation or Registration or any jurisdiction where the Applicant maintains an office or physical facility; provided that an accounting standards body in the jurisdiction maintains full (not "suspended" or "associate") membership status with the International Federation of Accountants
<b>ACS</b>	Authenticated Content Signing
<b>Administrator</b>	A Trusted Person within the organization of a CA or AR that performs validation and other CA or RA

	functions
<b>Administrator Certificate</b>	A Certificate issued to an Administrator that MAY only be used to perform CA or RA functions
<b>Affiliate</b>	A trusted third party (corporation, partnership, joint venture or other entity controlling, controlled by, or under common control with another entity, or an agency, department, political subdivision, or any entity operating under the direct control of a Government Entity) that has entered into an agreement with VALID to be a CA distribution and services channel within a specific territory
<b>Affiliated Individual</b>	A natural person that is (i) as an officer, director, employee, partner, contractor, intern, or other person within the Affiliate; (ii) as a member of a VALID registered community of interest, or (iii) as a person maintaining a relationship with the entity where the entity has business or other records providing appropriate assurances of the identity of such person
<b>AICPA</b>	American Institute of Certified Public Accountants
<b>ANSI</b>	The American National Standards Institute
<b>Applicant</b>	The natural person or Legal Entity that applies for (or seeks renewal of) a Certificate. Once the Certificate issues, the Applicant is referred to as the Subscriber. For Certificates issued to devices, the Applicant is the entity that controls or operates the device named in the Certificate, even if the device is sending the actual certificate request
<b>Applicant Representative</b>	A natural person or human sponsor who is either the Applicant, employed by the Applicant, or an authorized agent who has express authority to represent the Applicant: (i) who signs and submits, or approves a certificate request on behalf of the Applicant, and/or (ii) who signs and submits a Subscriber Agreement on behalf of the Applicant, and/or (iii) who acknowledges and agrees to the Certificate Terms of Use on behalf of the Applicant when the Applicant is an Affiliate of AC or is the CA
<b>Application Software Supplier</b>	A supplier of Internet browser software or other relying-party application software that displays or uses Certificates and incorporates Root Certificates
<b>Attestation Letter</b>	A letter attesting that Subject Information is correct written by an accountant, lawyer, government official, or other reliable third party customarily relied upon for such information
<b>Audit Period</b>	In a period-of-time audit, the period between the first day (start) and the last day of operations (end) covered by the auditors in their engagement. (This is not the same as the period of time when the auditors are on-site at the CA.) The coverage rules and maximum length of audit periods are defined in section 8.1
<b>Audit Report</b>	A report from a Qualified Auditor stating the Qualified Auditor's opinion on whether an entity's processes and controls comply with the mandatory provisions of these Requirements
<b>Authorization Domain Name</b>	The Domain Name used to obtain authorization for certificate issuance for a given FQDN. AC MAY use the FQDN returned from a DNS CNAME lookup as the FQDN for the purposes of domain validation. If the FQDN contains a wildcard character, then AC MUST remove all wildcard labels from the left most portion of requested FQDN. AC MAY prune zero or more labels from left to right until encountering a Base Domain Name and MAY use any one of the intermediate values for the purpose of domain validation
<b>Authorized Port</b>	One of the following ports: 80 (http), 443 (https), 115 (sftp), 25 (smtp), 22 (ssh).
<b>Automated Administration</b>	A procedure whereby Certificate Applications are approved automatically if enrollment information matches information contained in a database
<b>Automated Administration Software Module</b>	Software provided by VALID that performs Automated Administration
<b>Base Domain Name</b>	The portion of an applied-for FQDN that is the first domain name node left of a registry controlled or public suffix plus the registry-controlled or public suffix (e.g. "example.co.uk" or "example.com"). For FQDNs where the right-most domain name node is a GTLD having ICANN Specification 13 in its registry agreement, the GTLD itself MAY be used as the Base Domain Name
<b>BIPM</b>	International Bureau of Weights and Measures
<b>BIS</b>	(US Government) Bureau of Industry and Security
<b>Business Entity</b>	Any entity that is not a Private Organization, Government Entity, or Non-Commercial Entity as defined herein. Examples include, but are not limited to, general partnerships, unincorporated associations, sole proprietorships, etc.
<b>CA</b>	Certification Authority

<b>CAA</b>	Certification Authority Authorization
<b>ccTLD</b>	Country Code Top-Level Domain
<b>CEO</b>	Chief Executive Officer
<b>Certificate</b>	An electronic document that uses a digital signature to bind a public key and an identity. At least, it states a name or identifies the CA, identifies the Subscriber, contains the Subscriber's public key, identifies the Certificate's Operational Period, contains a Certificate serial number, and is digitally signed by the CA.
<b>Certificate Applicant</b>	An individual or organization that requests the issuance of a Certificate by a CA
<b>Certificate Application</b>	A request from a Certificate Applicant (or authorized agent of the Certificate Applicant) to a CA for the issuance of a Certificate
<b>Certificate Approver</b>	A natural person who is either the Applicant, employed by the Applicant, or an authorized agent who has express authority to represent the Applicant to (i) act as a Certificate Requester and to authorize other employees or third parties to act as a Certificate Requester, and (ii) to approve EV Certificate Requests submitted by other Certificate Requesters.
<b>Certificate Chain</b>	An ordered list of Certificates containing an end-user Subscriber Certificate and CA Certificates, which terminates in a root Certificate
<b>Certificate Data</b>	Certificate requests and data related thereto (whether obtained from the Applicant or otherwise) in the CA's possession or control or to which CA has access
<b>Certificate Management Control Objectives</b>	Criteria that an entity MUST meet in order to satisfy a Compliance Audit
<b>Certificate Management Process</b>	Processes, practices, and procedures associated with the use of keys, software, and hardware, by which AC verifies Certificate Data, issues Certificates, maintains a Repository, and revokes Certificates
<b>Certificate Policy (CP)</b>	A set of rules that indicates the applicability of a named Certificate to a particular community and/or PKI implementation with common security requirements
<b>Certificate Problem Report</b>	Complaint of suspected Key Compromise, Certificate misuse, or other types of fraud, compromise, misuse, or inappropriate conduct related to Certificates
<b>Certificate Requester</b>	A natural person who is either the Applicant, employed by the Applicant, an authorized agent who has express authority to represent the Applicant, or a third party (such as an ISP or hosting company) that completes and submits an EV Certificate Request on behalf of the Applicant
<b>Certificate Revocation List (CRL)</b>	A periodically (or exigently) issued list, digitally signed by a CA, of identified Certificates that have been revoked prior to their expiration dates in accordance with CP Section 3.4. The list generally indicates the CRL issuer's name, the date of issue, the date of the next scheduled CRL issue, the revoked Certificates' serial numbers, and the specific times and reasons for revocation
<b>Certificate Signing Request (CSR)</b>	A message conveying a request to have a Certificate issued
<b>Certification Authority (CA)</b>	An organization that is responsible for the creation, issuance, revocation and management of Certificates. The term applies equally to both Roots CAs and Subordinate CAs
<b>Certification Authority Authorization (CAA)</b>	From RFC 6844 ( <a href="http://tools.ietf.org/html/rfc6844">http://tools.ietf.org/html/rfc6844</a> ): "The Certification Authority Authorization (CAA) DNS Resource Record allows a DNS domain name holder to specify the Certification Authorities (CAs) authorized to issue certificates for that domain. Publication of CAA Resource Records allows a public Certification Authority to implement additional controls to reduce the risk of unintended certificate "misuse"
<b>Certification Practice Statement (CPS)</b>	One of several documents forming the governance framework in which Certificates are created, issued, managed, and used. A statement of the practices that VALID or an Affiliate employs in approving or rejecting Certificate Applications and issuing, managing, and revoking Certificates.
<b>VALID</b>	Means, with respect to each pertinent portion of this CPS, VALID Certificadora Digital Ltda. and/or any wholly owned VALID subsidiary responsible for the specific operations at issue
<b>VALID SSL CERTIFICATION AUTHORITY</b>	The Certificate-based Public Key Infrastructure governed by AC Certificate Policies, which enables the worldwide deployment and use of Certificates by VALID and its Affiliates, and their respective Customers, Subscribers, and Relying Parties
<b>CFO</b>	Chief Financial Officer
<b>Challenge Phrase</b>	A secret phrase chosen by a Certificate Applicant during enrollment for a Certificate. When issued a Certificate, the Certificate Applicant becomes a Subscriber and a CA or RA can use the Challenge Phrase

	to authenticate the Subscriber when the Subscriber seeks to revoke or renew the Subscriber's Certificate
<b>CICA</b>	Canadian Institute of Chartered Accountants
<b>CIO</b>	Chief Information Officer
<b>CISO</b>	Chief Information Security Officer
<b>Compliance Audit</b>	A periodic audit that a AC or AR undergoes to determine its conformance with AC Standards that apply to it
<b>Compromise</b>	A violation (or suspected violation) of a security policy, in which an unauthorized disclosure of, or loss of control over, sensitive information MAY have occurred. With respect to private keys, a Compromise is a loss, theft, disclosure, modification, unauthorized use, or other compromise of the security of such private key
<b>Confidential/Private Information</b>	Information required to be kept confidential and private pursuant to CP Section 2.8.1
<b>Confirmation Request</b>	An appropriate out-of-band communication requesting verification or confirmation of the particular fact at issue
<b>Confirming Person</b>	A position within an Applicant's organization that confirms the particular fact at issue
<b>Contract Signer</b>	A natural person who is either the Applicant, employed by the Applicant, or an authorized agent who has express authority to represent the Applicant, and who has authority on behalf of the Applicant to sign Subscriber Agreements
<b>Control</b>	"Control" (and its correlative meanings, "controlled by" and "under common control with") means possession, directly or indirectly, of the power to: (1) direct the management, personnel, finances, or plans of such entity; (2) control the election of a majority of the directors ; or (3) vote that portion of voting shares required for "control" under the law of the entity's Jurisdiction of Incorporation or Registration but in no case less than 10%.
<b>COO</b>	Chief Operating Officer
<b>Country</b>	Either a member of the United Nations OR a geographic region recognized as a Sovereign State by at least two UN member nations.
<b>CP</b>	Certificate Policy
<b>CPA</b>	Chartered Professional Accountant
<b>CPS</b>	Certification Practice Statement
<b>CRL</b>	Certificate Revocation List
<b>CRL Usage Agreement</b>	An agreement setting forth the terms and conditions under which a CRL or the information in it can be used
<b>Cross Certificate</b>	A certificate that is used to establish a trust relationship between two Root CAs
<b>CSO</b>	Chief Security Officer
<b>CSPRNG</b>	A random number generator intended for use in cryptographic system
<b>Customer</b>	An organization that is either a Managed PKI SSL VALID Customer or Gateway Customer
<b>DBA</b>	Doing Business As
<b>Delegated Third Party</b>	A natural person or Legal Entity that is not the CA, and whose activities are not within the scope of the appropriate CA audits, but is authorized by the CA to assist in the Certificate Management Process by performing or fulfilling one or more of the CA requirements found herein
<b>Demand Deposit Account</b>	A deposit account held at a bank or other financial institution, the funds deposited in which are payable on demand. The primary purpose of demand accounts is to facilitate cashless payments by means of check, bank draft, direct debit, electronic funds transfer, etc. Usage varies among countries, but a demand deposit account is commonly known as a share draft account, a current account, or a checking account
<b>DNS</b>	Domain Name System
<b>Domain Authorization</b>	Correspondence or other documentation provided by a Domain Name Registrant attesting to the authority of an Applicant to request a Certificate for a specific Domain Namespace

<b>Domain Authorization Document</b>	Documentation provided by, or a CA's documentation of a communication with, a Domain Name Registrar, the Domain Name Registrant, or the person or entity listed in WHOIS as the Domain Name Registrant (including any private, anonymous, or proxy registration service) attesting to the authority of an Applicant to request a Certificate for a specific Domain Namespace
<b>Domain Contact</b>	The Domain Name Registrant, technical contact, or administrative contact (or the equivalent under a ccTLD) as listed in the WHOIS record of the Base Domain Name or in a DNS SOA record
<b>Domain Name</b>	The label assigned to a node in the Domain Name System
<b>Domain Name Registrant</b>	Sometimes referred to as the "owner" of a Domain Name, but more properly the person(s) or entity(ies) registered with a Domain Name Registrar as having the right to control how a Domain Name is used, such as the natural person or Legal Entity that is listed as the "Registrant" by WHOIS or the Domain Name Registrar
<b>Domain Name Registrar</b>	A person or entity that registers Domain Names under the auspices of or by agreement with: (i) the Internet Corporation for Assigned Names and Numbers (ICANN), (ii) a national Domain Name authority/registry, or (iii) a Network Information Center (including their affiliates, contractors, delegates, successors, or assigns)
<b>Domain Namespace</b>	The set of all possible Domain Names that are subordinate to a single node in the Domain Name System
<b>Enterprise EV Certificate</b>	An EV Certificate that an Enterprise RA authorizes the CA to issue at third and higher domain levels
<b>Enterprise EV RA</b>	An RA that is authorized by the CA to authorize the CA to issue EV Certificates at third and higher domain levels
<b>Enterprise RA</b>	An employee or agent of an organization unaffiliated with AC who authorizes issuance of Certificates to that organization
<b>Entry Date</b>	The "Not After" date in a Certificate that defines the end of a Certificate's validity period
<b>EV</b>	Extended Validation
<b>EV Authority</b>	A source other than the Certificate Approver, through which verification occurs that the Certificate Approver is expressly authorized by the Applicant, as of the date of the EV Certificate Request, to take the Request actions described in these Guidelines
<b>EV Certificate</b>	A digital certificate that contains information specified in the EV Guidelines and that has been validated in accordance with the Guidelines
<b>EV Certificate Beneficiaries</b>	Persons to whom the CA and its Root CA make specified EV Certificate Warranties
<b>EV Certificate Reissuance</b>	The process whereby an Applicant who has a valid unexpired and non-revoked EV Certificate makes an application, to the CA that issued the original certificate, for a newly issued EV Certificate for the same organizational name and Domain Name prior to the expiration of the Applicant's existing EV Certificate but with a 'valid to' date that matches that of the current EV Certificate
<b>EV Certificate Renewal</b>	The process whereby an Applicant who has a valid unexpired and non-revoked EV Certificate makes an application, to the CA that issued the original certificate, for a newly issued EV Certificate for the same organizational name and Domain Name prior to the expiration of the Applicant's existing EV Certificate but with a new 'valid to' date beyond the expiry of the current EV Certificate
<b>EV Certificate Request</b>	A request from an Applicant to the CA requesting that the CA issue an EV Certificate to the Applicant, which request is validly authorized by the Applicant and signed by the Applicant Representative
<b>EV Certificate Warranties</b>	In conjunction with the CA issuing an EV Certificate, the CA and its Root CA, during the period when the EV Certificate is Valid, promise that the CA has followed the requirements of these Guidelines and the CA's EV Policies in issuing the EV Certificate and in verifying the accuracy of the information contained in the EV Certificate
<b>EV Code Signing Certificate</b>	A certificate that contains subject information specified in these Guidelines and that has been validated in accordance with these Guidelines
<b>EV Code Signing Certificate Issuer</b>	A CA providing an EV Code Signing Certificate to a Subscriber or a Signing Authority that provides an EV signature for a Subscriber.
<b>EV Code Signing Object</b>	An EV Code Signing Certificate issued by a CA or an EV Signature provided by a Signing Authority.
<b>EV OID</b>	An identifying number, in the form of an "object identifier," that is included in the certificate Policies field of a certificate that: (i) indicates which CA policy statement relates to that certificate, and (ii) is either the CA/Browser Forum EV policy identifier or a policy identifier that, by pre-agreement with one or more Application Software Supplier, marks the certificate as being an EV Certificate.

<b>EV Policies</b>	Auditable EV Certificate practices, policies and procedures, such as a certification practice statement and certificate policy, that are developed, implemented, and enforced by the CA and its Root CA
<b>EV Processes</b>	The keys, software, processes, and procedures by which the CA verifies Certificate Data under CA/Browser Forum EV Guidelines, issues EV Certificates, maintains a Repository, and revokes EV Certificates
<b>EV Signature</b>	An encrypted electronic data file which is attached to or logically associated with other electronic data and which (i) identifies and is uniquely linked to the signatory of the electronic data, (ii) is created using means that the signatory can maintain under its sole control, and (iii) is linked in a way so as to make any subsequent changes that have been made to the electronic data detectable.
<b>EV Subscriber</b>	The Subject of the EV Code Signing Certificate. A Subscriber is the entity responsible for distributing the software but does not necessarily hold the copyright to the software
<b>Exigent Audit/Investigation</b>	An audit or investigation by VALID where VALID has reason to believe that an entity's failure to meet AC Standards, an incident or Compromise relating to the entity, or an actual or potential threat to the security of AC posed by the entity has occurred
<b>Extended Validation</b>	Validation Procedures defined by the Guidelines for Extended Validation Certificates published by a forum consisting of major certification authorities and browser vendors
<b>Extended Validation Certificate</b>	EV Certificate
<b>FIPS</b>	(US Government) Federal Information Processing Standard
<b>FQDN</b>	Fully-Qualified Domain Name
<b>Fully-Qualified Domain Name</b>	A Domain Name that includes the labels of all superior nodes in the Internet Domain Name System
<b>Government Agency</b>	<ul style="list-style-type: none"> <li>. In the context of a Private Organization, the government agency is in the Jurisdiction of Incorporation under whose authority the legal existence of Private Organizations is established (e.g., the government agency that issued the Certificate of Incorporation)</li> <li>. In the context of Business Entities, the government agency in the jurisdiction of operation that registers business entities.</li> <li>. In the case of a Government Entity, is a government-operated legal entity, agency, department, ministry, branch, or similar element of the government of a country, or political subdivision within such country (such as a state, province, city, country, etc.)</li> </ul>
<b>GTLD</b>	Generic TopLevel Domain
<b>High Risk Certificate Request</b>	A Request that AC flags for additional scrutiny by reference to internal criteria and databases maintained by the CA, which MAY include names at higher risk for phishing or other fraudulent usage, names contained in previously rejected certificate requests or revoked Certificates, names listed on the Miller Smiles phishing list or the Google Safe Browsing list, or names that AC identifies using its own risk-mitigation criteria
<b>IANA</b>	Internet Assigned Numbers Authority
<b>ICANN</b>	Internet Corporation for Assigned Names and Numbers
<b>IFAC</b>	International Federation of Accountants
<b>IM</b>	Instant Messaging
<b>Incorporating Agency</b>	Government Agency
<b>Independent Confirmation From Applicant</b>	Confirmation of a particular fact received by the CA pursuant to the provisions of the Guidelines or binding upon the Applicant
<b>Individual</b>	A natural person
<b>Intellectual Property Rights</b>	Rights under one or more of the following: any copyright, patent, trade secret, trademark, and any other intellectual property rights
<b>Intermediate Certification Authority</b>	A Certification Authority whose Certificate is located within a Certificate Chain between the Certificate of the root CA and the Certificate of the Certification Authority that issued the end-user Subscriber's Certificate
<b>Internal Name</b>	A string of characters (not an IP address) in a Common Name or Subject Alternative Name field of a Certificate that cannot be verified as globally unique within the public DNS at the time of certificate issuance because it does not end with a Top Level Domain registered in IANA's Root Zone Database.
<b>Internal Server Name</b>	A Server Name (which MAY or MAY NOT include an Unregistered Domain Name) that is not resolvable

	using the public DNS
<b>International Organization</b>	An organization founded by a constituent document, e.g., a charter, treaty, convention or similar document, signed by, or on behalf of, a minimum of two Sovereign State governments
<b>IRS</b>	Internal Revenue Service
<b>ISO</b>	International Organization for Standardization
<b>ISP</b>	Internet Service Provider
<b>Issuing CA</b>	In relation to a particular Certificate, AC that issued the Certificate. This could be either a Root CA or a Subordinate CA
<b>Jurisdiction of Incorporation</b>	In the context of a Private Organization, the country and (where applicable) the state or province or locality where the organization's legal existence was established by a filing with (or an act of) an appropriate government agency or entity (e.g., where it was incorporated). In the context of a Government Entity, the country and (where applicable) the state or province where the Entity's legal existence was created by law
<b>Jurisdiction of Registration</b>	In the case of a Business Entity, the state, province, or locality where the organization has registered its business presence by means of filings by a Principal Individual involved in the business
<b>Key Compromise</b>	A Private Key is said to be compromised if its value has been disclosed to an unauthorized person, an unauthorized person has had access to it, or there exists a practical technique by which an unauthorized person MAY discover its value. A Private Key is also considered compromised if methods have been developed that can easily calculate it based on the Public Key (such as a Debian weak key, see <a href="http://wiki.debian.org/SSLkeys">http://wiki.debian.org/SSLkeys</a> ) or if there is clear evidence that the specific method used to generate the Private Key was flawed
<b>Key Generation Ceremony</b>	A procedure whereby a CA's or RA's key pair is generated, its private key is transferred into a cryptographic module, its private key is backed up, and/or its public key is certified.
<b>Key Generation Script</b>	A documented plan of procedures for the generation of a CA Key Pair
<b>Key Manager Administrator</b>	An Administrator that performs key generation and recovery functions for a Managed PKI SSL
<b>Key Pair</b>	The Private Key and its associated Public Key
<b>Key Recovery Block (KRB)</b>	A data structure containing a Subscriber's private key that is encrypted using an encryption key. KRBS are generated
<b>Key Recovery Service</b>	A VALID service that provides encryption keys needed to recover a Key Recovery Block as part of a Managed PKI SSL
<b>KRB</b>	Key Recovery Block.
<b>Latin Notary</b>	A person with legal training whose commission under applicable law not only includes authority to authenticate the execution of a signature on a document but also responsibility for the correctness and content of the document. A Latin Notary is sometimes referred to as a Civil Law Notary.
<b>Legal Entity</b>	An association, corporation, partnership, proprietorship, trust, government entity or other entity with legal standing in a country's legal system
<b>Legal Existence</b>	A Private Organization, Government Entity, or Business Entity has Legal Existence if it has been validly formed and not otherwise terminated, dissolved, or abandoned.
<b>Legal Practitioner</b>	A person who is either a lawyer or a Latin Notary as described in these Guidelines and competent to render an opinion on factual claims of the Applicant.
<b>LSVA</b>	Logical security vulnerability assessment
<b>Managed PKI SSL VALID</b>	VALID's fully integrated Managed PKI SSL VALID service that allows enterprise Customers of VALID and its Affiliates to distribute Certificates to individuals, such as employees, partners, suppliers, and customers, as well as devices, such as servers, routers, and firewalls. Managed PKI SSL VALID permits enterprises to secure messaging, intranet28, extranet, virtual private network, and e-commerce applications
<b>Managed PKI SSL VALID Administrator</b>	An Administrator that performs validation or other RA functions for a Managed PKI SSL VALID Customer
<b>Manual Authentication</b>	A procedure whereby Certificate Applications are reviewed and approved manually one-by-one by an Administrator using a web-based interface
<b>NIST</b>	(US Government) National Institute of Standards and Technology
<b>Non-repudiation</b>	An attribute of a communication that provides protection against a party to a communication falsely denying its origin, denying that it was submitted, or denying its delivery. Denial of origin includes the

	denial that a communication originated from the same source as a sequence of one or more prior messages, even if the identity associated with the sender is unknown. Note: only an adjudication by a court, arbitration panel, or other tribunal can ultimately prevent repudiation. For example, a digital signature verified with reference to a AC Certificate MAY provide proof in support of a determination of Non-repudiation by a tribunal, but does not by itself constitute Non-repudiation
<b>Non-verified Subscriber Information</b>	Information submitted by a Certificate Applicant to a CA or RA, and included within a Certificate, that has not been confirmed by AC or RA and for which the applicable CA and RA provide no assurances other than that the information was submitted by the Certificate Applicant
<b>Notary</b>	A person whose commission under applicable law includes authority to authenticate the execution of a signature on a document
<b>Object Identifier</b>	A unique alphanumeric or numeric identifier registered under the International Organization for Standardization's applicable standard for a specific object or object class
<b>OCSF</b>	Online Certificate Status Protocol
<b>OCSF Responder</b>	An online server operated under the authority of AC and connected to its Repository for processing Certificate status requests. See also, Online Certificate Status Protocol
<b>Offline CA</b>	Issuing Root CAs and other designated intermediate CAs that are maintained offline for security reasons in order to protect them from possible attacks by intruders by way of the network. These CAs do not directly sign end user Subscriber Certificates
<b>OID</b>	Object Identifier
<b>Online CA</b>	CAs that sign end user Subscriber Certificates are maintained online so as to provide continuous signing services
<b>Online Certificate Status Protocol</b>	An online Certificate-checking protocol for providing Relying Parties with real-time Certificate status information
<b>Operational Period</b>	The period starting with the date and time a Certificate is issued (or on a later date and time certain if stated in the Certificate) and ending with the date and time on which the Certificate expires or is earlier revoked
<b>Parent Company</b>	A company that Controls a Subsidiary Company
<b>PIN</b>	Personal identification number
<b>PKCS</b>	Public-Key Cryptography Standard
<b>PKCS #10</b>	Public-Key Cryptography Standard #10, developed by RSA Security Inc., which defines a structure for a Certificate Signing Request
<b>PKCS #12</b>	Public-Key Cryptography Standard #12, developed by RSA Security Inc., which defines a secure means for the transfer of private keys
<b>PKI</b>	Public Key Infrastructure
<b>Place of Business</b>	The location of any facility (such as a factory, retail store, warehouse, etc) where the Applicant's business is conducted
<b>PMD</b>	Policy Management Department
<b>Policy Management Authority (PMD)</b>	The organization within VALID responsible for promulgating this policy throughout AC
<b>Principal Individual</b>	An individual of a Private Organization, Government Entity, or Business Entity that is either an owner, partner, managing member, director, or officer, as identified by their title of employment, or an employee, contractor or agent authorized by such entity or organization to conduct business related to the request, issuance, and use of EV Certificates
<b>Private Key</b>	The key of a Key Pair that is kept secret by the holder of the Key Pair, and that is used to create Digital Signatures and/or to decrypt electronic records or files that were encrypted with the corresponding Public Key
<b>Private Organization</b>	A non-governmental legal entity (whether ownership interests are privately held or publicly traded) whose existence was created by a filing with (or an act of) the Incorporating Agency or equivalent in its Jurisdiction of Incorporation
<b>Public Key</b>	The key of a Key Pair that MAY be publicly disclosed by the holder of the corresponding Private Key and that is used by a Relying Party to verify Digital Signatures created with the holder's corresponding Private Key and/or to encrypt messages so that they can be decrypted only with the holder's corresponding Private Key
<b>Public Key Infrastructure</b>	The architecture, organization, techniques, practices, procedures, hardware, software, people, rules, policies, and obligations that collectively support the implementation and operation of a Certificate-



	based public key cryptographic system.
<b>Publicly-Trusted Certificate</b>	A Certificate that is trusted by virtue of the fact that its corresponding Root Certificate is distributed as a trust anchor in widely-available application software
<b>QGIS</b>	Qualified Government Information Source
<b>QIIS</b>	Qualified Independent Information Source
<b>QTIS</b>	Qualified Government Tax Information Source
<b>Qualified Auditor</b>	A natural person or Legal Entity that meets the requirements of Section 8.2 Identity/Qualifications of Assessor
<b>Qualified Government Information Source</b>	A database maintained by a Government Entity (e.g. SEC filings) that meets the requirements of Section 11.11.6
<b>Qualified Government Tax Information Source</b>	A Qualified Governmental Information Source that specifically contains tax information relating to Private Organizations, Business Entities, or Individuals
<b>Qualified Independent Information Source</b>	A regularly-updated and current, publicly available, database designed for the purpose of accurately providing the information for which it is consulted, and which is generally recognized as a dependable source of such information
<b>RA</b>	Registration Authority
<b>Click-through</b>	Process of a visitor clicking on a Web advertisement and going to the advertiser's Web site. Also called ad clicks or requests.
<b>Registered Domain Name</b>	A Domain Name that has been registered with a Domain Name Registrar
<b>Registered Domain Name</b>	A Domain Name that has been registered with a Domain Name Registrar. Reliable Data Source: An identification document or source of data used to verify Subject Identity Information that is generally recognized among commercial enterprises and governments as reliable, and which was created by a third party for a purpose other than the Applicant obtaining a Certificate.
<b>Registered Office</b>	The official address of a company, as recorded with the Incorporating Agency, to which official documents are sent and at which legal notices are received.
<b>Registration Agency</b>	A Governmental Agency that registers business information in connection with an entity's business formation or authorization to conduct business under a license, charter or other certification. A Registration Agency MAY include, but is not limited to (i) a State Department of Corporations or a Secretary of State; (ii) a licensing agency, such as a State Department of Insurance; or (iii) a chartering agency, such as a state office or department of financial regulation, banking or finance, or a federal agency such as the Office of the Comptroller of the Currency or Office of Thrift Supervision.
<b>Registration Authority</b>	A Legal Entity that is responsible for identification and authentication of subjects of Certificates, but is not a CA, and hence does not sign or issue Certificates. An RA MAY assist in the certificate application process or revocation process or both. When "RA" is used as an adjective to describe a role or function, it does not necessarily imply a separate body, but can be part of the CA.
<b>Registration Number</b>	The unique number assigned to a Private Organization by the Incorporating Agency in such entity's Jurisdiction of Incorporation
<b>Regulated Financial Institution</b>	A financial institution that is regulated, supervised, and examined by governmental, national, state or provincial, or local authorities
<b>Reliable Data Source</b>	An identification document or source of data used to verify Subject Identity Information that is generally recognized among commercial enterprises and governments as reliable, and which was created by a third party for a purpose other than the Applicant obtaining a Certificate.
<b>Reliable Method of Communication</b>	A method of communication, such as a postal/courier delivery address, telephone number, or email address, that was verified using a source other than the Applicant Representative.
<b>Relying Party</b>	Any natural person or Legal Entity that relies on a Valid Certificate. An Application Software Supplier is not considered a Relying Party when software distributed by such Supplier merely displays information relating to a Certificate.
<b>Relying Party Agreement</b>	An agreement used by a CA setting forth the terms and conditions under which an individual or organization acts as a Relying Party
<b>Repository</b>	An online database containing publicly-disclosed PKI governance documents (such as Certificate Policies and Certification Practice Statements) and Certificate status information, either in the form of a CRL or an OCSP response

<b>Request Token</b>	<p>A value derived in a method specified by AC which binds this demonstration of control to the certificate request.</p> <p>The Request Token SHALL incorporate the key used in the certificate request.</p> <p>A Request Token MAY include a timestamp to indicate when it was created.</p> <p>A Request Token MAY include other information to ensure its uniqueness.</p> <p>A Request Token that includes a timestamp SHALL remain valid for no more than 30 days from the time of creation.</p> <p>A Request Token that includes a timestamp SHALL be treated as invalid if its timestamp is in the future.</p> <p>A Request Token that does not include a timestamp is valid for a single use and AC SHALL NOT re-use it for a subsequent validation.</p> <p>The binding SHALL use a digital signature algorithm or a cryptographic hash algorithm at least as strong as that to be used in signing the certificate request.</p>
<b>Required Website Content</b>	Either a Click-through or a Request Token, together with additional information that uniquely identifies the Subscriber, as specified by the CA.
<b>Reserved IP Address</b>	<p>An IPv4 or IPv6 address that the IANA has marked as reserved:</p> <p><a href="http://www.iana.org/assignments/ipv4-address-space/ipv4-address-space.xml">http://www.iana.org/assignments/ipv4-address-space/ipv4-address-space.xml</a></p> <p><a href="http://www.iana.org/assignments/ipv6-address-space/ipv6-address-space.xml">http://www.iana.org/assignments/ipv6-address-space/ipv6-address-space.xml</a></p>
<b>Retail Certificate</b>	A Certificate issued by VALID or an Affiliate, acting as CA, to individuals or organizations applying one by one to VALID or an Affiliate on its web site
<b>RFC</b>	Request for comment
<b>Root CA</b>	Root Certification Authority
<b>Root Certificate</b>	The self-signed Certificate issued by the Root CA to identify itself and to facilitate verification of Certificates issued to its Subordinate CAs
<b>Root Certification Authority</b>	A CA that acts as a root CA and issues Certificates to CAs subordinate to it
<b>Root Key Generation Script</b>	Key Generation Script of a Root CA Key Pair
<b>RSA</b>	A public key cryptographic system invented by Rivest, Shamir, and Adelman
<b>S/MIME</b>	Secure MIME (multipurpose Internet mail extensions)
<b>SAR</b>	Security Audit Requirements
<b>SEC</b>	(US Government) Securities and Exchange Commission
<b>Secure Sockets Layer</b>	The industry-standard method for protecting Web communications developed by Netscape Communications Corporation. The SSL security protocol provides data encryption, server authentication, message integrity, and OPTIONAL client authentication for a Transmission Control Protocol/Internet Protocol connection
<b>Security and Practices Review</b>	A review of an Affiliate performed by VALID before an Affiliate is permitted to become operational
<b>Signing Authority</b>	One or more Certificate Approvers designated to act on behalf of the Applicant.
<b>SOC</b>	Service Organization Control standard
<b>Sovereign State</b>	A state or country that administers its own government, and is not dependent upon, or subject to, another power.
<b>SSL</b>	Secure Sockets Layer
<b>SSL Admin</b>	A web-based interface that permits Managed PKI SSL VALID Administrators to perform Manual Authentication of Certificate Applications
<b>Sub-domain</b>	The portion of VALID AC PARTNERS under control of an entity and all entities subordinate to it within VALID AC PARTNERS hierarchy
<b>Subject</b>	<p>The natural person, device, system, unit, or Legal Entity identified in a Certificate as the Subject and holder of a private key corresponding to a public key.</p> <p>The Subject is either the Subscriber or a device under the control and operation of the Subscriber. The term "Subject" can, in the case of an organizational Certificate, refer to the equipment or device that holds a private key. A Subject is assigned an unambiguous name, which is bound to the public key contained in the Subject's Certificate</p>
<b>Subject Identity Information</b>	Information that identifies the Certificate Subject. Subject Identity Information does not include a domain name listed in the subjectAltName extension or the Subject commonName field

<b>Subordinate CA</b>	A Certification Authority whose Certificate is signed by the Root CA, or another Subordinate CA
<b>Subscriber</b>	In the case of an individual Certificate, a person who is the Subject of, and has been issued, a Certificate. In the case of an organizational Certificate, an organization that owns the equipment or device that is the Subject of, and that has been issued, a Certificate. A Subscriber is capable of using, and is authorized to use, the private key that corresponds to the public key listed in the Certificate
<b>Subscriber Agreement</b>	An agreement between VALID AC PARTNERS or RA and the Applicant/Subscriber that specifies the rights and responsibilities of the parties
<b>Subsidiary Company</b>	A company that is controlled by a Parent Company
<b>Superior Entity</b>	An entity above a certain entity within a VALID AC PARTNERS hierarchy
<b>Superior Government Entity</b>	Based on the structure of government in a political subdivision, the Government Entity or Entities that have the ability to manage direct and control the activities of the Applicant.
<b>Supplemental Risk Management Review</b>	A review of an entity by VALID following incomplete or exceptional findings in a Compliance Audit of the entity or as part of the overall risk management process in the ordinary course of business
<b>Suspect code</b>	Code that contains malicious functionality or serious vulnerabilities, including spyware, malware and other code that installs without the user's consent and/or resists its own removal, and code that can be exploited in ways not intended by its designers to compromise the trustworthiness of the platforms on which it executes
<b>Technically Constrained Subordinate CA Certificate</b>	A Subordinate CA certificate which uses a combination of Extended Key Usage settings and Name Constraint settings to limit the scope within which the Subordinate CA Certificate MAY issue Subscriber or additional Subordinate CA Certificates
<b>Terms of Use</b>	Provisions regarding the safekeeping and acceptable uses of a Certificate issued in accordance with these Requirements when the Applicant/Subscriber is an Affiliate of the CA or is the CA.
<b>Timestamp Authority</b>	An organization that timestamps data, thereby asserting that the data existed at the specified time
<b>TLD</b>	Top-Level Domain
<b>TLS</b>	Transport Layer Security
<b>Translator</b>	An individual or Business Entity that possesses the requisite knowledge and expertise to accurately translate the words of a document written in one language to the native language of the CA.
<b>Trusted Person</b>	An employee, contractor, or consultant of an entity within VALID AC PARTNERS responsible for managing infrastructural trustworthiness of the entity, its products, its services, its facilities, and/or its practices as further defined in CP Section 5.2.1
<b>Trusted Position</b>	The positions within a VALID AC PARTNERS entity that MUST be held by a Trusted Person.
<b>Trustworthy System</b>	Computer hardware, software, and procedures that are reasonably secure from intrusion and misuse; provide a reasonable level of availability, reliability, and correct operation; are reasonably suited to performing their intended functions; and enforce the applicable security policy. A trustworthy system is not necessarily a "trusted system" as recognized in classified government nomenclature
<b>TTL</b>	Time To Live
<b>Unregistered Domain Name</b>	A Domain Name that is not a Registered Domain Name.
<b>UTC(k)</b>	National realization of Coordinated Universal Time
<b>Valid Certificate</b>	A Certificate that passes the validation procedure specified in RFC 5280.
<b>Validation Specialists</b>	Someone who performs the information verification duties specified by these Requirements
<b>Validity Period</b>	The period of time measured from the date when the Certificate is issued until the Expiry Date
<b>Verified Accountant Letter</b>	A document meeting the requirements specified in Section 11.11.2 of these Guidelines
<b>Verified Legal Opinion</b>	A document meeting the requirements specified in Section 11.11.1 of these Guidelines
<b>Verified Method of Communication</b>	The use of a telephone number, a fax number, an email address, or postal delivery address, confirmed by the CA in accordance with Section 11.5 of the Guidelines as a reliable way of communicating with the Applicant.
<b>Verified Professional Letter</b>	A Verified Accountant Letter or Verified Legal Opinion

<b>VOID</b>	Voice Over Internet Protocol
<b>WebTrust EV Program</b>	The additional audit procedures specified for CAs that issue EV Certificates by the AICPA/CICA to be used in conjunction with its WebTrust Program for Certification Authorities
<b>WebTrust Program for CAs</b>	The then-current version of the AICPA/CICA WebTrust Program for Certification Authorities
<b>WebTrust Seal of Assurance</b>	An affirmation of compliance resulting from the WebTrust Program for CAs
<b>Wildcard Certificate</b>	A Certificate containing an asterisk (*) in the left-most position of any of the Subject Fully- Qualified Domain Names contained in the Certificate
<b>CABF Baseline Requirements</b>	CABF Baseline Requirements, v. 1.0.5, Effective 12-Sep-12, user-assigned as XX, based on ISO 3166-1 country code , was allowed

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