Organization Validation Certificate Policy Version 1.22

April 1, 2024

SECOM Trust Systems Co., Ltd.

Version History			
Version Number	Date	Description	
1.00	2018/07/24	Publication of the first version	
1.10	2018/10/12	Modified the contents of the profile	
1.11	2019/05/24	Revision of overall descriptions and style	
		Deleted IP address for domain authentication	
1.12	2020/03/30	Revision of chapters, and added some "No stipulation" contents	
1.13	2020/09/01	Changed Certificate validity period from 825 days to 398	
1.14	2020/09/29	days Modified Reason code in CRL profile	
1.11	2020/12/18	Added OID assigned to CP	
1.10	2020/12/10	Added Security Communication ECC Root CA1 issued	
		CA profile	
1.16	2021/05/31	Modified the description for domain authentication	
		Modified certificate revocation reasons	
		Added special requirements for key compromise	
1.17	2021/06/15	Revision of descriptions and style	
		Modified certificate revocation reasons	
1.18	2021/11/30	Modified the description for domain authentication	
		Revision of overall descriptions and style	
1.19	2022/06/10	Revision of overall descriptions and style	
1.20	2023/05/17	Update "1.2 Document Name and Identification"	
		Update "2.3 Time or Frequency of Publication"	
		Update "4.9.1 Circumstances for Certificate Revocation"	
		Update "5.5.1 Types of Records Archived"	
		Update "5.5.2 Retention Period for Archive"	
		Update "5.5.3 Protection of Archive"	
		Update "5.5.4 Archive Backup Procedures"	
		Update "5.5.5 Requirements for Time-Stamping of	
		Records"	
		Update "5.5.6 Archive Collection System"	
		Update "5.5.7 Procedures to Obtain and Verify Archive	
		Information"	

		Update "5.7.1 Incident and Compromise Handling	
		Procedures"	
		Update "5.7.2 Computing Resources, Software, and/or	
		Data are Corrupted"	
		Update "5.7.3 Entity Private Key Compromise	
		Procedures"	
		Update "5.7.4 Business Continuity Capabilities after a	
		Disaster"	
		Update "7.1 Certificate Profile"	
		Update "7.2 CRL Profile"	
		Update "7.2.2 CRL Entry Extensions"	
1.21	2023/08/28	Update "1.6 Definitions and Acronyms"	
		Update "7.1 Certificate Profile"	
1.22	2024/04/01	Update "1.1 Overview "	
		Update "1.6 Definitions and Acronyms"	
		Update "2.2 Publication of Certificate Information"	
		Update "3.2.2.4 "Domain Authentication"	
		Update "3.2.3 Authentication of Applicant and	
		Individual Identity "	
		Update "3.2.5 Validation of Authority"	
		Update "3.2.6 Criteria for Interoperation"	
		Update "4.5.1 Subscriber Private Key and Certificate	
		Usage"	
		Update "4.9.8 Maximum Latency for CRLs"	
		Update "6.1.7 Key Usage Purposes	
		Update "7.1 Certificate Profile"	
		Update "7.1.3 Algorithm Object Identifier"	
		Update "7.2 CRL Profile"	
		Update "8 Compliance Audit and Other Assessments"	
		Update "8.1 Frequency and Circumstances of Assessment"	
		Update "8.2 Identity/Qualifications of Assessor"	
		Update "8.3 Assessor's Relationship to Assessed Entity"	
		Update "8.4 Topics Covered by Assessment"	
		Update "8.5 Actions Taken as a Result of Deficiency"	
		Update "8.6 Communication of Results"	

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1. Introduction

1.1 Overview

Organization Validation Certificate Policy (hereinafter, "this CP") defines the policy on certificates issued by SC Organization Validation CA (hereinafter, "the CA"), which are operated by SECOM Trust Systems Co., Ltd. (hereinafter, "SECOM Trust Systems "), by specifying the purpose of use, the scope of application and user procedures concerning the Certificates. Various procedures regarding the operation and maintenance of the CA are stipulated in the SECOM Digital Certification Infrastructure Certification Practice Statement (hereinafter, "CPS").

Unilateral cross-certificate by Security Communication RootCA2 or Security Communication ECC RootCA1 has been issued to the CA.

Certificates issued by the CA are used for server authentication and data encryption in the communication routing.

A party seeking to obtain Certificates from the CA must examine its usage purposes against this CP and the CPS, and agree to them prior to getting the Certificates issued.

The CA shall comply with the latest versions of the standard set forth by the CA/Browser Forum (hereinafter referred to as Baseline Requirements) and Application Software Supplier standard published at https://www.cabforum.org/.

Types of certificates issued by subordinate CAs	Standards to comply with
TLS Server Certificate	 Baseline Requirements for the Issuance and Management of Publicly-Trusted TLS Server Certificates (hereinafter, Baseline Requirements) Apple Root Certificate Program Chrome Root Program Policy Microsoft Trusted Root Program Mozilla Root Store Policy

Table 1.1-1 List of Standards

The CA may outsource the part of the certification work to an external business

operator that complies with Baseline Requirements (hereinafter referred to as "Delegated Third Party"), and the contract between the two companies shall be stipulated in the PB-SSL/TLS certificate issuance service terms (hereinafter referred to as "Service Terms").

In the event of a conflict between this CP, Service Terms and the CPS, the order of precedence in shall be Service Terms, this CP and the CPS. In addition, if there is a separate contract, etc. between SECOM Trust Systems and an organization that has a contractual relationship, the document such as the contract will take precedence over Service Terms, this CP, and CPS. In the event of any inconsistency between this CP and the Baseline Requirements, the Baseline Requirements take precedence over this CP.

This CP shall be revised as necessary in order to reflect any technical or operational developments or improvements pertaining to the CA.

This CP conforms to the RFC3647 "Internet X.509 Public Key Infrastructure Certificate Policy and Certification Practices Framework" advocated by the IETF as a CA practice framework.

1.2 Document Name and Identification

The official name of this CP is "Organization Validation Certificate Policy". This CP is identified with the OID given in "Table 1.2-1 OID (This CP)"

СР	OID	
SC Organization Validation CA1	1.2.392.200091.110.214.1	
(Issued by Security Communication Root CA2)	Use until 2023/05/31	
SC Organization Validation CA2	1 9 909 900001 110 914 9	
(Issued by Security Communication Root CA2)	1.2.392.200091.110.214.2	
SC Organization Validation CA3	1 0 200 200001 110 214 2	
(Issued by Security Communication Root CA2)	1.2.392.200091.110.214.3	
SC Organization Validation CA4	1 0 000 000001 110 014 4	
(Issued by Security Communication ECC RootCA1)	1.2.392.200091.110.214.4	

Table 1.2-1 OID (This CP)

The OID of the CPS associated with this CP is given in Table 1.2-2 OID (CPS) Table 1.2-2 OID (CPS)

CPS				OID
SECOM	Digital	Certification	Infrastructure	1.2.392.200091.100.401.1

Certification Practice Statement	
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1.3 PKI Participants

1.3.1 CA

A CA mainly issues or revokes Certificates, publishes CRLs (Certificate Revocation Lists), provides information on Certificate status using the OCSP (<u>Online Certificate</u> <u>Status Protocol</u>) server. The operating body of the CAs on the Digital Certification Infrastructure is SECOM Trust Systems.

1.3.2 RA

RA refers to the entity that registers the information necessary for issuing a certificate and requests the CA to issue a certificate.

Upon receiving a certificate application, RA examines the contents, issue a certificate, confirms the existence of the certificate subscriber who applies for revocation, and approves or rejects the issuance of the certificate, and approves the request for revocation.

Delegated Third Party can perform the business except "3.2.2.4 Domain Authentication" of this CP.

1.3.3 Subscribers

Subscribers shall be an individual, corporation, or other organization that receives a certificate issued by this CA and uses the issued certificate.

1.3.4 Relying Parties

Relying Parties signify individuals, corporations or any other organizations that authenticate the identity of Subscribers and the validity of Public Keys. They also signify individuals, corporations or any other organizations that trust and use the CP and CPS for the purpose of conducting encrypted communication with web servers owned by Subscribers using said Public Keys.

1.3.5 Other Parties

Other Parties include auditors, and companies or organizations that have service contracts with SECOM Trust Systems, and companies that perform system integration.

1.4 Certificate Usage

1.4.1 Appropriate Certificate Uses

Certificates issued by the CA may be used for server authentication and data encryption in the communication routing.

1.4.2 Prohibited Certificate Uses

Certificates issued by the CA shall not be used for purposes other than server authentication and data encryption in the communication routing.

The CA does not permit the issuance of certificates unless it is confirmed from the domain owner verified in accordance with this CP "3.2.2.4 Domain Authentication" that the domain owner has the right to use the domain.

1.5 Policy Administration

1.5.1 Organization Administering the Document

This CP is maintained and administered by SECOM Trust Systems.

1.5.2 Contact Information

Inquiries concerning this CP should be directed to:

	CA Support Center, SECOM Trust Systems Co., Ltd.	
Address:	8-10-16 Shimorennjaku, Mitaka-shi, Tokyo 181-8528	
E-mail address:	ca-support@secom.co.jp	
Website:	https://www.secomtrust.net/	

The Subscribers, Relying Parties, Application Software Suppliers, and other third parties can report suspected Private Key Compromise, Certificate misuse, or other types of fraud, compromise, misuse, inappropriate conduct, or any other matter related to Certificates. The CA revokes certificates when it is determined that it needs to be revoked.

1.5.3 Person Determining CP Suitability for the Policy

The Certification Services Improvement Committee (hereinafter, "this Committee") determines the suitability of the contents of this CP. This CP shall be reviewed and revised at least annually.

1.5.4 Approval Procedure

This CP goes into effect upon approval by this Committee for the CA.

1.6 Definitions and Acronyms

Application Software Supplier

A supplier of Internet browser software or other relying party application software that displays or uses a certificate and incorporates a root CA certificate.

Archive

Information obtained for the purpose of preserving history for legal or other reasons.

ADN (Authorization Domain Name)

Domain name used to obtain authentication for certificate issuance for a particular FQDN

Attestation Letter

A letter attesting that Subject Information is correct, which is written by an accountant, lawyer, government official, or other reliable third party customarily relied upon for such information.

<u>Audit Log</u>

Behavioral, access and other histories pertaining to the CA systems which are recorded for inspection of access to and unauthorized operation of the CA systems.

Baseline Requirements

A document issued by the CA/Browser Forum (available at cabforum.org.) that integrates a set of fundamental requirements for Certificate issuance/administration.

CA (Certification Authority)

An entity that mainly issues, renews and revokes Certificates, generates and protects CA Private Keys, and registers Subscribers. This CP also includes the Issuing Authority (IA).

CAA (Certificate Authority Authorization)

A function to prevent false issuance of Certificates by an unintended CA, by including

the CA information for the domain ownership/control rights to grant the Certificate issuance for the specific domain, in the DNS record.

CA/Browser Forum

An NPO organized by CAs and Internet browser vendors that works to define and standardize the Certificate issuance requirements.

CP (Certificate Policy)

A document that sets forth provisions pertaining to Certificates issued by a CA, including Certificate types, usage and application procedure.

CPS (Certification Practices Statement)

A document that sets forth provisions pertaining to the practices of CAs, including procedures for the CA operations and the security standards.

CRL (Certificate Revocation List)

A list of information on Certificates which were revoked prior to their expiration due to reasons such as changes to the information provided in the Certificates and loss of the relevant Private Key.

CT (Certificate Transparency)

Certificate Transparency, stipulated in RFC 6962, is an open framework for monitoring/auditing the records of the issued Certificates by registering and publishing them on the log servers.

Digital Certificate

Digital data certifying that a public key is owned by the party specified, validity of which is certified by the digital signature of the relevant CA affixed thereto.

Escrow

Escrow means the placement (entrustment) of an asset in the control of an independent third party.

FIPS140-2

The security certification standards developed by the U.S. NIST (National Institute of Standards and Technology) for cryptographic modules, defining four security levels,

the lowest 1 through the highest 4.

INAN (Internet Assigned Numbers Authority)

The organization that globally manages information related to the Internet, such as IP addresses and port numbers.

<u>Key Pair</u>

A pair of keys comprising a private key and a public key in the public key cryptosystem.

OCSP (Online Certificate Status Protocol)

A protocol for real-time provision of information on Certificate status.

OID (Object Identifier)

A unique numeric identifier registered by the international registration authority, in a framework to maintain and administer the uniqueness of the mutual connectivity, services and other aspects of the networks.

PKI (Public Key Infrastructure)

An infrastructure for use of the encryption technology known as the public key cryptosystem to realize such security technologies as digital signature, encryption and certification.

Precertificate

A Precertificate is a signed data structure that can be submitted to a Certificate Transparency log, as defined by RFC 6962. A Precertificate is created after a CA has decided to issue a Certificate, but prior to the actual signing of the Certificate. The CA MAY construct and sign a Precertificate corresponding to the Certificate, for purposes of submitting to CT Logs. The CA MAY use the returned Signed Certificate Timestamps to then alter the Certificate's extensions field, adding a Signed Certificate Timestamp List, as defined in Section 7.1.2.11.3 of the Baseline Requirements and as permitted by the relevant profile, prior to signing the Certificate.

<u>Private Key</u>

A key of a Key Pair that is possessed by the holder of the corresponding public key.

Public Key

A key of a Key Pair used in the public key cryptosystem. A Public Key corresponds to the Private Key and is published to and shared with the recipient.

RA (Registration Authority)

An entity which, of the duties of a CA, mainly performs assessment of application submissions, registration of necessary information for issuance of the Certificates, and requests Certificate signing to CAs.

<u>Relying Party</u>

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.

Repository

A (online) database for storing and providing access to CA certificates, CRLs and the like.

RFC3647 (Request for Comments 3647)

A document defining the framework for CP and CPS published by the IETF (The Internet Engineering Task Force), an industry group which establishes technical standards for the Internet.

RSA

One of the most standard encryption technologies widely used in the Public Key cryptosystem.

SHA-1 (Secure Hash Algorithm 1)

A hash function used in digital signing. A hash function is a computation technique for generating a fixed-length string from a given text. The hash length is 160 bits. The algorithm works to detect any alterations in the original message during the transmission by comparing the hash values transmitted and received.

SHA-256 (Secure Hash Algorithm 256)

A hash function used in digital signing. The hash length is 256 bits.

The algorithm works to detect any alterations in the original message during the transmission by comparing the hash values transmitted and received.

Time-Stamp

Data recording such date and time of creating an electronic file or running a system process.

WebTrust for CA

Standards of internal control and a certification framework based thereon maintained by CPA Canada regarding the reliability of CAs, the security of electronic commerce transactions, and other relevant matters.

WebTrust for CA - SSL Baseline with Network Security

Audit standards maintained by CPA Canada defining the rules for the reviews/authentications by the CAs for issuance of SSL Certificates and on the Certificates themselves.

WHOIS

Information obtained directly from a domain name registrar or registry operator via a protocol defined in RFC3912, a registry data access protocol defined in RFC7482, or an HTTPS website.

X.500

A series of computer network standards regarding the decentralized directory service.

2. Publication and Repository Responsibilities

2.1 Repository

The CA maintains and manages a Repository in order to allow Subscribers and Relying Parties to access CRL information 24x7. Further, it manages an OCSP responder to allow Subscribers and Relying Parties to check online the status of Certificates 24x7. However, the Repository and the OCSP responder may not be available temporarily at times due to maintenance or for any other reason.

2.2 Publication of Certificate Information

The CA stores the following information in the Repository to allow the online access thereto by Relying Parties and Subscribers:

- CRL
- The CA Certificates
- The latest versions of this CP and the CPS
- Other information pertaining to Certificates issued by the CA

The CA will also make the Certificate status available online to Subscribers and Relying Parties for browsing on the OCSP responder. The CA also hosts the test Web pages that allow vendors to perform verifications, as part of the publication.

2.3 Time or Frequency of Publication

The CA shall develop, implement, enforce, and annually update a CP and CPS that describes in detail how the CA implements the latest version of the Baseline Requirements. The CA shall indicate conformance with the Baseline Requirements by incrementing the version number and adding a dated changelog entry, even if no other changes are made to a CP and CPS.

2.4 Access Controls on Repository

The CA makes its Repository publicly available in a read-only manner. In the CA, only the authorized CA administrators can perform operations such as adding, deleting, modifying, and publishing Repositories.

3. Identification and Authentication

3.1 Naming

3.1.1 Types of Names

The certificate issued by the CA meets the requirements of the X.509 standard, RFC5280 standard and Baseline Requirements, and the distinguished name assigned to the certificate holder is set according to the X.500 distinguished name format. The following information shall be included in a Certificate issued by the CA:

- 1. [Country Name (C)] shall be JP.
- 2. "Organization Name" (O) shall be the name of the relevant organization in the form of a legal person, corporation, or other form of a legal person.
- 3. [Organizational Unit Name (OU)] shall be an optional field. The OU field is used to distinguish departments (e.g., Human Resources, Marketing, or Development). However, that option shall be prohibited to use for the certificates to be issued after September 1, 2022.
- 4. The "Common Name" (CN) is the main domain name and shall be the domain name existing in the Subject Alternative Name. All domain names are added to Subject Alternative Name.
- 5. If the dNSName entry value in the Subject Alternative Name extension area contains international characters other than ASCII strings, puny-code converted version of the string is used.

3.1.2 Need for Names to Be Meaningful

The Common Name used in a Certificate issued by the CA shall be meaningful when the hostname used in the web server DNS for which the relevant Subscriber plans to install the Certificate is assigned.

3.1.3 Anonymity or Pseudonymity of Subscribers

An anonymous or pseudonymous name may not be registered as the Organization Name or the Common Name in the Certificate issued by the CA.

3.1.4 Rules for Interpreting Various Name Forms

Rules concerning the interpretation of various name forms are governed by the X.500 Series DN rules.

3.1.5 Uniqueness of Names

In the CA, the issued certificate guarantees that the certificate owner can be uniquely identified by the information contained in the Distinguished Name of the Subject. The serial number of the certificate shall be the serial number including random numbers generated by CSPRNG. Serial numbers assigned in the CA are unique.

3.1.6 Recognition, Authentication, and Roles of Trademarks

The CA does not verify intellectual property rights for the names indicated in Certificate applications. Subscribers may not submit the CA any registered trademark or other trademark-related names of a third party. The CA will not arbitrate or engage itself in the resolution of any dispute between Subscribers and third parties over the registered trademark or any alike. The CA reserves the right to reject a Subscriber Certificate Application or revoke an issued Certificate due to the dispute.

3.2 Initial Identity Validation

3.2.1 Method to Prove Possession of Private Key

A Subscriber proves possession of the relevant Private Key in accordance with the following method.

The signature on the relevant Certificate Signing Request (hereinafter, "CSR") is authenticated to prove that said CSR is signed with the Private Key corresponding to the Public Key.

3.2.2 Authentication of Organization Identity

If the Applicant requests a Certificate that will contain Subject Identity Information comprised only of the countryName field, then the CA SHALL verify the country associated with the Subject using a verification process meeting the requirements of this CP "3.2.2.3 Verification of Country" and that is described in the CA's CP and CPS. If the Applicant requests a Certificate that will contain the countryName field and other Subject Identity Information, then the CA 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 CP "3.2.2.1 Identity" and that is described in the CA's CP and CPS. The CA SHALL inspect any document relied upon under this Section for alteration or falsification.

3.2.2.1 Identity

If the Subject Identity Information is to include the name or address of an organization, the CA SHALL verify the identity and address of the organization and that the address is the Applicant's address of existence or operation. The CA SHALL verify the identity and address of the Applicant using documentation provided by, or through communication with, at least one of the following:

- 1. A government agency in the jurisdiction of the Applicant's legal creation, existence, or recognition;
- 2. A third party database that is periodically updated and considered a Reliable Data Source;
- 3. A site visit by the CA or a third party who is acting as an agent for the CA; or
- 4. An Attestation Letter.

The CA MAY use the same documentation or communication described in 1 through 4 above to verify both the Applicant's identity and address.

3.2.2.2 DBA/Tradename

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

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

3.2.2.3 Verification of Country

If the countryName field is present in the subject Distinguished Name of the certificate, then the CA SHALL verify the country associated with the Subject using one of the following:

- information provided by the Domain Name Registrar; or
- a method identified in this CP, "Section 3.2.2.1 Identity".

3.2.2.4 Domain Authentication

Secon Trust Systems will authenticate the domain using the following Baseline Requirements-compliant method to verify that the certificate subscriber has the right to use the domain name.

The random value described in this section shall consist of a random number of 112 bits or more generated by the CA, and shall be valid for the use of response confirmation for 30 days from the generation.

In the CA, when making a WHOIS inquiry, the IP address of the contacted WHOIS server is checked by "<Top Level Domain>.whois-servers.net" on the DNS server, and the inquiry is made to that WHOIS server first. WHOIS responses are not cached and are referenced with each inquiry.

WHOIS obtains the information from domain name registrars or registry operators via the HTTPS website or the protocol defined in RFC3912.

The CA doesn't issue certificates if "RFC 7686 - The ".onion" Special-Use Domain Name" is included in the certificates.

1. Prove the applicant's authority over the FQDN by sending a random value by email, Fax, SMS or postal mail to a domain contact registered with the WHOIS Registry Service and receiving an acknowledgment containing the random value. Random values are sent to an email address, Fax Number, SMS Number or resident address that is recognized as a domain contact. The management of multiple authentication domain names can be checked by email, Fax, SMS or postal mail.

(Baseline Requirements Section 3.2.2.4.2 Email, Fax, SMS, or Postal Mail to Domain Contact).

2. The local part is 'admin',' administrator',' webmaster', 'hostmaster', or 'postmaster' and the following "@" demonstrates control of the requested FQDN by sending a random value to the email address created as the authentication domain name and receiving an acknowledgment containing the random value. The authentication domain name under "@" used in the e-mail address should be the domain name included in the FQDN for which the certificate is issued, and if the authentication domain is the same, multiple FQDNs can be also checked by e-mail.

(Baseline Requirements Section 3.2.2.4.4 Email to Domain Contact)

3. Prove the applicant's authority over the FQDN by verifying that there is a random value or application token in either the DNS CNAME, TXT or CAA record of either

the FQDN for which the certificate is issued or the authentication domain name (includes each prefixed with a label that begins with an underscore character). (Baseline Requirement Section 3.2.2.4.7 DNS Change)

4, Prove the applicant's authority over the FQDN by sending a random value via email to the Email contact in the DNS CAA record of the authentication domain name and receiving an acknowledgment containing the random value. If the email contacts are the same, the multiple FQDNs can also be checked by email. Relevant CAA resource records should be verified using the search algorithm defined in Section 3 of RFC 8659.

(Baseline Requirement Section 3.2.2.4.13 Email to DNS CAA Contact)

5. Prove the applicant's authority over the FQDN by sending a random value via email to the Email contact in the DNS TXT record of the authentication domain name and receiving an acknowledgment containing the random value. If the email contacts are the same, the multiple FQDNs can also be checked by email.

(Baseline Requirement Section 3.2.2.4.14 Email to DNS TXT Contact)

6. Prove the applicant's authority over the FQDN by calling the domain contact phone number and getting a response to permission to use the authenticated domain name. In addition, when the telephone number of the domain contact is the same in a plurality of authentication domain names, the authority can be proved for a plurality of FQDNs by presenting each authentication domain name and obtaining a response of permission to use.

(Baseline Requirement Section 3.2.2.4.15 Phone Contact with Domain Contact)

7. Prove the applicant's authority over the FQDN by calling the phone number of the phone contact on the DNS TXT record and getting a response to authorize the use of the authentication domain name. In addition, when the telephone number of the domain contact is the same in a plurality of authentication domain names, the authority can be proved for a plurality of FQDNs by presenting each authentication domain name and obtaining a response of permission to use.

(Baseline Requirement Section 3.2.2.4.16 Phone Contact with DNS TXT Record)

8. Prove the applicant's authority over the FQDN by calling the phone number of the phone contact in the DNSCAA record and getting a response to authorize the

use of the authentication domain name. In addition, when the telephone number of the telephone contact is the same in a plurality of authentication domain names, the authority can be proved for the plurality of FQDNs by presenting each FQDN and obtaining a response of permission to use.

(Baseline Requirement Section 3.2.2.4.17 Phone Contact with DNS CAA Record)

9. Confirm the applicant's control over the FQDN by verifying that the request token or random value is included in the contents of the file. The CA accesses via an approved port, and confirms that Random value is placed under the "http (or https): // [FQDN to be issued certificate] /.well-known/pki-validation" directory, and that it receives a normal HTTP or HTTPS response sent from the request.

For Certificates issued on or after 2021-12-01, the CA MUST NOT issue Certificates for other FQDNs that end with all the labels of the validated FQDN unless the CA performs a separate validation for that FQDN using an authorized method. This method is NOT used for validating Wildcard Domain Names.

If the CA follows redirects the following apply:

- 1. Redirects MUST be initiated at the HTTP protocol layer. For validations performed on or after July 1, 2021, redirects MUST be the result of a 3xx301, 302, or 307 HTTP status code response, as defined in RFC 7231, Section 6.4, or a 308 HTTP status code response, as defined in RFC 7538, Section 3. Redirects MUST be to the final value of the Location HTTP response header, as defined in RFC 7231, Section 7.1.2.
- 2. Redirects MUST be to resource URLs with either the "http" or "https" scheme.
- 3. Redirects MUST be to resource URLs accessed via Authorized Ports.

If a Random Value is used, then:

- 1. The CA MUST provide a Random Value unique to the certificate request.
- 2. The Random Value MUST remain valid for use in a confirming response for no more than 30 days from its creation.

(Baseline Requirements Section 3.2.2.4.18 Agreed-Upon Change to Website v2)

3.2.2.5 Authentication for an IP Address

The CA does not issue a certificate by authenticating the IP address.

3.2.2.6 Wildcard Domain Validation

Before issuing a Wildcard Certificate, the CA MUST establish documented procedure that determines if the FQDN portion of any Wildcard Domain Name in the Certificate is "registry-controlled" label or is a "public suffix".

If the FQDN portion of any Wildcard Domain Name is "registry-controlled" or is a "public suffix", CAs MUST refuse issuance unless the Applicant proves its rightful control of the entire Domain Namespace.

Determination of what is "registry-controlled" versus the registerable portion of a Country Code Top-Level Domain Namespace is referred to the Public Suffix List (PSL), and to retrieve a fresh copy regularly. If using the PSL, the CA SHOULD consult the "ICANN DOMAINS" section only, not the "PRIVATE DOMAINS" section.

3.2.2.7 Data Source Accuracy

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

- 1. The age of the information provided,
- 2. The frequency of updates to the information source,
- 3. The data provider and purpose of the data collection,
- 4. The public accessibility of the data availability, and
- 5. The relative difficulty in falsifying or altering the data.

3.2.2.8 CAA Records

As part of the issuance process, the CA must check for CAA records and follow the processing instructions found, for each dNSName in the subjectAltName extension of the certificate to be issued, as specified in RFC 8659. If the CA issues, they MUST do so within the TTL of the CAA record, or 8 hours, whichever is greater.

When processing CAA records, the CA MUST process the issue, issuewild, and iodef property tags as specified in RFC 8659, although they are not required to act on the contents of the iodef property tag.

Additional property tags may be supported, but must not conflict with or supersede the mandatory property tags set out in Baseline Requirements. The CA must respect the critical flag and not issue a certificate if they encounter an unrecognized property tag with this flag set.

The CA is permitted to treat a record lookup failure as permission to issue if:

- the failure is outside the CA's infrastructure; and
- the lookup has been retried at least once; and
- \cdot the domain's zone does not have a DNSSEC validation chain to the ICANN root.

This CA shall log any actions taken as part of its processing practices.

3.2.3 Authentication of Individual Identity

The CA does not issue Individual Validate certificates (IV certificates) that comply with the following certificate policy identifiers.

{joint-iso-itu-t(2) international-organizations(23) ca-browser-forum(140) certificate-policies(1) baseline-requirements(2) individual-validated(3)} (2.23.140.1.2.3)

3.2.4 Non-Verified Subscriber Information

The information about non-verified certificate subscribers will not be included in the certificates issued by the CA..

3.2.5 Validation of Authority

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

The CA MAY use the sources listed in this CP, "Section 3.2.2.1 Identity" to verify the Reliable Method of Communication. Provided that the CA uses a Reliable Method of Communication, the 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 the CA deems appropriate.

3.2.6 Criteria for Interoperation

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

3.3 Identification and Authentication for Re-Key Requests

3.3.1 Identification and Authentication for Routine Re-Key Subscribers shall be identified and authenticated for Re-Keying in the same manner

as set forth in this CP "3.2 Initial Identity Validation" hereof.

3.3.2 Identification and Authentication for Re-Key after Revocation

A routine Re-Key after Revocation is not supported. The (Re-Keying) application for a Certificate shall be treated as a new submission, and the applicant Subscriber shall be identified and authenticated in the same manner as set forth in this CP "3.2 Initial Identity Validation" hereof.

3.4 Identification and Authentication for Revocation Requests

Accepting the revocation request from the Subscriber or the applicant according to the prescribed procedure, the CA identifies and authenticates the Subscriber.

4. Certificate Life-Cycle Operational Requirements

4.1 Certificate Application

4.1.1 Who May Submit a Certificate Application

A person who may submit a certificate application shall be individuals, corporations, other organizations that use certificates, and agents delegated by certificate subscribers (hereinafter referred to as "Applicant").

In accordance with the CP, "Section 5.5.2, Retention Period for Archive", the CA SHALL maintain an internal database of all previously revoked Certificates and previously rejected certificate requests due to suspected phishing or other fraudulent usage or concerns. The CA SHALL use this information to identify subsequent suspicious certificate requests.

4.1.2 Enrollment Process and Responsibilities

When applying for the issuance of a certificate, the Certificate Subscriber and Applicant shall apply after accepting the contents of this CP, and the CPS, as well as certify that the information submitted is accurate.

4.2 Certificate Application Processing

The Certificate Subscriber or Applicant applies for the certificate using the certificate issuance service provided by the Delegated Third Party.

4.2.1 Performing Identification and Authentication Functions

Once accepted, the Certificate Application is authenticated by t in accordance with "3.2 Initial Identification and Authentication" hereof.

The certificate request may include all factual information about the Applicant to be included in the Certificate, and such additional information as is necessary for the CA to obtain from the Applicant in order to comply with Baseline Requirements and the CA's Certificate Policy and/or Certification Practice Statement. In cases where the certificate request does not contain all the necessary information about the Applicant, the CA shall obtain the remaining information from the Applicant or, having obtained it from a reliable, independent, third-party data source, confirm it with the Applicant. The CA shall establish and follow a documented procedure for verifying all data requested for inclusion in the Certificate by the Applicant.

Applicant information include, but not be limited to, at least one Fully-Qualified

Domain Name to be included in the Certificate's Subject Alternative Name extension. In this CP "6.3.2 Certificate Operational Periods and Key Pair Usage Periods", the expiration date of the subscriber certificate is limited.

The CA may use the documents and data provided in Section "3.2 Initial Identity Validation" to verify certificate information, or may reuse previous validations themselves, provided that:

The CA obtained the data or document from a source specified under Section "3.2 Initial Identity Validation" or completed the validation itself no more than 825 days prior to issuing the Certificate.

Effective 2021-10-01, for validation of Domain Names according to Section "3.2.2.4 Domain Authentication", any reused data, document, or completed validation must be obtained no more than 398 days prior to issuing the Certificate.

In no case may a prior validation be reused if any data or document used in the prior validation was obtained more than the maximum time permitted for reuse of the data or document prior to issuing the Certificate.

The CA shall develop, maintain, and implement documented procedures that identify and require additional verification activity for High Risk Certificate Requests prior to the Certificate's approval, as reasonably necessary to ensure that such requests are properly verified under Baseline Requirements.

If a Delegated Third Party fulfills any of the CA's obligations under this section, the CA shall verify that the process used by the Delegated Third Party to identify and further verify High Risk Certificate Requests provides at least the same level of assurance as the CA's own processes.

4.2.2 Approval or Rejection of Certificate Applications

The CA issues a Certificate corresponding to any application that it approves, notifying the relevant Subscriber of the completion thereof and the issuance of the Certificate. In addition, it shall be possible to reject the application for a certificate in which the examination of all items is not completed adequately, and the one including the following reasons shall be rejected.

- Certificate of Applicant or Subscriber who was previously rejected or previously violated the terms of the contract
- Have an internal server name or reserved IP address in the Subject Alternative Name extension field or "common name" field

The CA shall notify the Applicant or the Subscriber of the content of the deficiency and the resubmission of documents, etc., either directly or through Delegated Third Party.

4.2.3 Time to Process Certificate Applications

The CA promptly issues a Certificate corresponding to any approved Certificate Application.

4.2.4 CAA Records Processing

This CA checks the CAA record at the time of reviewing the application information. The Certificate Subscribers who want to grant the authority to issue certificates to the FQDN must include the value of "secontrust.net" in the property "issue" or "issuewild" of the CAA record for each DNS zone.

If there is already a CAA entry in each DNS zone of the Certificate Subscriber and a certificate is required to be issued by this CA, the value of "secontrust.net" must be included in the property "issue" or "issuewild" of the CAA record.

4.3 Certificate Issuance

4.3.1 CAActions during Certificate Issuance

Upon completion of the review and authentication of a Certificate Application, the CA issues the corresponding Certificate and makes it available for download via a website accessible only by the Subscriber or send the Certificate to the Subscriber.

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

The CA confirms whether the format conforms to Baseline Requirements for some items of the certificate to be issued by the pre-certificate linting function, and refuses to issue if it does not meet the requirements.

The CA enforces multi-factor authentication for all accounts capable of directly causing certificate issuance.

The backdating of a certificate's notBefore date to avoid a deadline, prohibition or codeenforced restriction is not used by the CA.

4.3.2 Notifications to Subscriber of Certificate Issuance

The CA will notify the Certificate Subscriber of the issuance via the homepage that only the Certificate Subscriber can access, or by e-mail or postal mail.

4.4 Certificate Acceptance

4.4.1 Conduct Constituting Certificate Acceptance

When the Subscriber downloaded the Certificate, or when the certificate sent by the Subscriber is introduced to the server by other methods, the acceptance thereof shall be deemed complete.

4.4.2 Publication of the Certificate by the CA

The CA certificate of the CA will be published in the repository. The CA can publish the certificate of the certificate subscriber by registering it in the CT (Certificate Transparency) log.

4.4.3 Notification of Certificate Issuance by the CA to Other Entities The CA will not send a notice of Certificate issuance to entities other than the person in charge, who was registered at the time of the Certificate Application submission.

4.5 Key Pair and Certificate Usage

4.5.1 Subscriber Private Key and Certificate Usage

Certificates shall be used in accordance with this CP, Service Terms and the CPS. Subscriber shall protect the Private Key from unauthorized use or disclosure by third parties and shall use the Private Key only for its intended purpose in accordance with "9.6.3 Subscriber Representations and Warranties".

4.5.2 Relying Party Public Key and Certificate Usage

Relying Parties shall acknowledge and agree to the provisions of this CP and the CPS before using the CA Certificates.

Relying Parties may use the CA Certificates for assessment of Subscriber Certificates.

4.6 Certificate Renewal The CA recommends generating a new Key Pair when Subscribers renew a Certificate.

4.6.1 Circumstances for Certificate Renewal

Certificate renewal without key renewal is performed when the validity period of the certificate expires.

4.6.2 Who May Request Renewal

The provisions of this CP "4.1.1 Who May Submit a Certificate Application" hereof shall apply.

4.6.3 Processing Certificate Renewal Requests The provisions of this CP "4.3.1 CA Actions during Certificate Issuance" hereof shall apply.

4.6.4 Notification of New Certificate Issuance to Subscriber The provisions of this CP "4.3.2 Notifications to Subscriber of Certificate Issuance" hereof shall apply.

4.6.5 Conduct Constituting Acceptance of a Renewal Certificate The provisions of this CP "4.4.1 Conduct Constituting Certificate Acceptance" hereof shall apply.

4.6.6 Publication of the Renewal Certificates by the CA The provisions of this CP "4.4.2 Publication of the Certificate by the CA" hereof shall apply.

4.6.7 Notification of Certificate Issuance by the CA to Other Entities The provisions of this CP "4.4.3 Notification of Certificate Issuance by the CA to Other Entities" hereof shall apply.

4.7 Certificate Re-Key

4.7.1 Circumstances for Certificate Re-Key

A Certificate is Re-Keyed when the validity period of the Certificate is about to expire or when the Certificate is revoked due to the key compromise.

4.7.2 Who May Request Certification of a New Public Key The provisions of this CP "4.1.1 Who Can Submit a Certificate Application" hereof shall apply.

4.7.3 Processing Certificate Re-Keying Requests The provisions of this CP "4.3.1 CA Actions during Certificate Issuance" hereof shall

apply.

4.7.4 Notification of New Certificate Issuance to Subscriber The provisions of this CP "4.3.2 Notifications to Subscriber of Certificate Issuance" hereof shall apply.

4.7.5 Conduct Constituting Acceptance of a Re-Keyed Certificate The provisions of this CP "4.4.1 Conduct Constituting Certificate Acceptance" hereof shall apply.

4.7.6 Publication of the Re-Keyed Certificate by the CA The provisions of this CP "4.4.2 Publication of the Certificate by the CA" hereof shall apply.

4.7.7 Notification of Certificate Issuance by the CA to Other Entities The provisions of this CP "4.4.3 Notification of Certificate Issuance by the CA to Other Entities" hereof shall apply.

4.8 Certificate Modification

Should modification be required in any information registered in a Certificate, the CA shall revoke the relevant Certificate and issue a new Certificate.

4.8.1 Circumstances for Certificate Modification No stipulation

4.8.2 Who May Request Certificate Modification The provisions of this CP "4.1.1 Who May Submit a Certificate Application" hereof shall apply.

4.8.3 Processing Certificate Modification Requests The provisions of this CP "4.3.1 CA Actions during Certificate Issuance" hereof shall apply.

4.8.4 Notification of New Certificate Issuance to Subscriber The provisions of this CP "4.3.2 Notifications to Subscriber of Certificate Issuance" hereof shall apply.

4.8.5 Conduct Constituting Acceptance of Modified Certificate

The provisions of this CP "4.4.1 Conduct Constituting Certificate Acceptance" hereof shall apply.

4.8.6 Publication of the Modified Certificates by the CA The provisions of this CP "4.4.2 Publication of the Certificate by the CA" hereof shall apply.

4.8.7 Notification of Certificate Issuance by the CA to Other Entities The provisions of this CP "4.4.3 Notification of Certificate Issuance by the CA to Other Entities" hereof shall apply.

4.9 Certificate Revocation and Suspension

4.9.1 Circumstances for Certificate Revocation

The CA shall revoke a Certificate within 24 hours and use the corresponding CRLReason (revocation reason) in "7.2.2 Certificate Revocation Lists and CRL Entry Extensions" of this CP if one or more of the following occurs:

- 1. The Subscriber requests in writing, without specifying CRLreason, that the CA revoke the Certificate (CRLReason "unspecified (0)" which results in no reasonCode extension being provided in the CRL);
- 2. The Subscriber notifies the CA that the original certificate request was not authorized and does not retroactively grant authorization (CRL Reason #9, privilegeWithdrawn);
- 3. The CA obtains evidence that the Subscriber's Private Key corresponding to the Public Key in the Certificate suffered a Key Compromise (CRL Reason #1, key Compromise);
- 4. The CA is made aware of a demonstrated or proven method that can easily compute the Subscriber's Private Key based on the Public Key in the Certificate (such as a Debian weak key, see https://wiki.debian.org/SSLkeys) (CRL Reason #1, key Compromise);
- 5. The CA obtains evidence that the validation of domain authorization or control for any Fully-Qualified Domain Name or IP address in the Certificate should not be relied upon (CRLReason #4, superseded);

The CA should revoke a certificate within 24 hours, must revoke a Certificate within 5 days and use the corresponding CRLReason if one or more of the following occurs:

- The Certificate no longer complies with the requirements of Section "6.1.5 Key Sizes" and Section "6.1.6 Public Key Parameters Generation and Quality Checking" of this CP (CRLReason #4, superseded);
- 7. The CA obtains evidence that the Certificate was misused (CRLReason #9, privilegeWithdrawn);
- The CA is made aware that a Subscriber has violated one or more of its material obligations under the Subscriber Agreement or Terms of Use (CRL Reason #9, privilegeWithdrawn);
- 9. The CA is made aware of any circumstance indicating that use of a Fully-Qualified Domain Name or IP address in the Certificate is no longer legally permitted (e.g. a court or arbitrator has revoked a Domain Name Registrant's right to use the Domain Name, a relevant licensing or services agreement between the Domain Name Registrant and the Applicant has terminated, or the Domain Name Registrant has failed to renew the Domain Name) (CRLReason #5, cessationOfOperation);
- The CA is made aware that a Wildcard Certificate has been used to authenticate a fraudulently misleading subordinate Fully-Qualified Domain Name (CRLReason #9, privilegeWithdrawn);
- 11. The CA is made aware of a material change in the information contained in the Certificate (CRLReason #9, privilegeWithdrawn);
- 12. The CA is made aware that the Certificate was not issued in accordance with these Requirements or the CA's Certificate Policy or Certification Practice Statement (CRLReason #4, superseded);
- 13. The CA determines or is made aware that any of the information appearing in the Certificate is inaccurate (CRLReason #9, privilegeWithdrawn);
- 14. The CA's right to issue Certificates under these Requirements expires or is revoked or terminated, unless the CA has made arrangements to continue maintaining the CRL/OCSP Repository (CRLReason "unspecified (0)" which results in no reasonCode extension being provided in the CRL);
- 15. Revocation is required by the CA's Certificate Policy and/or Certification Practice Statement for a reason that is not otherwise required to be specified by this section 4.9.1.1 (CRLReason "unspecified (0)" which results in no reasonCode extension being provided in the CRL);

16. The CA is made aware of a demonstrated or proven method that exposes the Subscriber's Private Key to compromise, or if there is clear evidence that the specific method used to generate the Private Key was flawed (CRLReason #1, keyCompromise).

4.9.2 Who Can Request Revocation

A request for revocation of a Certificate shall be made by the Certificate Subscriber or the Applicant. If the CA determines that the CP/CPS "4.9.1 Circumstances for Certificate Revocation" applies, the CA may be the Applicant.

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 the issuing CA of reasonable cause to revoke the certificate.

4.9.3 Procedure for Revocation Request

A Subscriber or Applicant shall notify the CA by using the application provided by the CA or the Delegated third Party and performing the prescribed procedures.

The CA confirms the information received by the prescribed procedure and revokes the certificate.

4.9.4 Revocation Request Grace Period

Should a Subscriber or an Applicant determine that a Private Key has or could have been compromised, they must promptly make a revocation request.

4.9.5 $\,$ Time within Which CA Shall Process the Revocation Request

The CA will promptly process the revocation of the certificate after receiving a valid revocation application, and reflect the certificate information in the CRL.

Within 24 hours after receiving a Certificate Problem Report, the CA SHALL investigate the facts and circumstances related to a Certificate Problem Report and provide a preliminary report on its findings to both the Subscriber and the entity who filed the Certificate Problem Report.

After reviewing the facts and circumstances, the CA SHALL work with the Subscriber and any entity reporting the Certificate Problem Report or other revocation-related notice to establish whether or not the certificate will be revoked, and if so, a date which the CA will revoke the certificate. The period from receipt of the Certificate Problem Report or revocation-related notice to published revocation MUST NOT exceed the time frame set forth in the CP, "Section 4.9.1. Circumstances for Certificate Revocation". The date selected by the CA SHOULD consider the following criteria:

- 1. The nature of the alleged problem (scope, context, severity, magnitude, risk of harm);
- 2. The consequences of revocation (direct and collateral impacts to Subscribers and Relying Parties);
- 3. The number of Certificate Problem Reports received about a particular Certificate or Subscriber;
- 4. The entity making the complaint

If the CA receives an application for revocation with a specified date, it shall revoke on the specified date.

4.9.6 Revocation Checking Requirements for Relying Parties

The URLs of the CRL storage destination and the OCSP responder are indicated on the Certificates issued by the CA.

CRLs and the OCSP responder may be accessed using a commonly available Web Interface. CRLs do not contain expired Certificate information.

Relying Parties must authenticate the validity of a Subscriber's Certificate. The validity of a Certificate may be verified by using the CRL posted on the Repository site or the OCSP responder.

4.9.7 CRL Issuance Frequency

If the CA publishes a CRL, then the CA shall update and reissue CRLs at least once every seven days, and the value of the nextUpdate field MUST NOT be more than 10 days beyond the value of the thisUpdate field.

4.9.8 Maximum Latency for CRLs

The CRLs issued by the CA are reflected onto the Repository within a reasonable time.

4.9.9 On-Line Revocation/Status Checking Availability

OCSP responses MUST conform to RFC6960 and/or RFC5019. OCSP responses MUST either:

- 1. Be signed by the CA that issued the Certificates whose revocation status is being checked, or
- 2. Be signed by an OCSP Responder whose Certificate is signed by the CA that issued the Certificate whose revocation status is being checked.

In the latter case, the OCSP signing Certificate MUST contain an extension of type idpkix-ocsp-nocheck, as defined by RFC6960.

4.9.10 On-Line Revocation/Status Checking Requirements

Relying Parties must authenticate the validity of Subscriber Certificates. When not using the CRL posted on the Repository to check for the Revocation registration of a Certificate, the Relying Parties must confirm the Certificate status available through the OCSP responder.

OCSP responders operated by the CA shall support the HTTP GET method, as described in RFC 6960 and/or RFC 5019.

The validity interval of an OCSP response is the difference in time between the thisUpdate and nextUpdate field, inclusive. For purposes of computing differences, a difference of 3,600 seconds shall be equal to one hour, and a difference of 86,400 seconds shall be equal to one day, ignoring leap-seconds.

For the status of Subscriber Certificates:

- 1. OCSP responses MUST have a validity interval greater than or equal to 8 hours;
- 2. OCSP responses MUST have a validity interval less than or equal to 10 days;
- 3. For OCSP responses with validity intervals less than sixteen hours, then the CA shall update the information provided via an Online Certificate Status Protocol prior to one-half of the validity period before the nextUpdate.
- 4. For OCSP responses with validity intervals greater than or equal to 16 hours, then the CA shall update the information provided via an Online Certificate Status Protocol at least 8 hours prior to the nextUpdate, and no later than 4 days after the thisUpdate.

For the status of Subordinate CA Certificates:

The CA shall update information provided via an Online Certificate Status Protocol i. at least every 12 months; and

ii. within 24 hours after revoking a Subordinate CA Certificate.

in within 21 nours after revoking a Substantate off certificate.

If the OCSP responder receives a request for the status of a certificate serial number that is "unused", then the responder SHOULD NOT respond with a "good" status. If the OCSP responder is for a CA that is not Technically Constrained in line with this CP "7.1.5 Name Constraints", the responder MUST NOT respond with a "good" status for such requests.

The CA SHOULD monitor the OCSP responder for requests for "unused" serial numbers as part of its security response procedures.

The OCSP responder MAY provide definitive responses about "reserved" certificate serial numbers, as if there was a corresponding Certificate that matches the Precertificate [RFC6962].

A certificate serial number within an OCSP request is one of the following 3 options:

- "assigned" if a Certificate with that serial number has been issued by the Issuing CA, using any current or previous key associated with that CA subject; or
- 2. "reserved" if a Precertificate [RFC6962] with that serial number has been issued by
 - a. the Issuing CA; or
 - b. a Precertificate Signing Certificate [RFC6962] associated with the Issuing CA; or
- 3. "unused" if neither of the previous conditions are met.

4.9.11 Other Forms of Revocation Advertisements Available

The CA can distribute OCSP responses using stapling in accordance with RFC4366 RFC 5246, RFC 8446. In this case, the CA ensures that the subscriber includes the OCSP response of the certificate in the TLS process. The CA will comply with this requirement for the subscriber after the Service Terms or the contract with the subscriber, or after the technical confirmation by the CA and the approval of the service manager.

4.9.12 Special Requirements Regarding Key Compromise

The Relying Party shall demonstrate key compromise in the following methods:

- Submitting the private key itself, or the data containing the private key and how to extract the private key from the data
- Submitting the CSR that includes data such as distinguished names that are recognized as compromised and that can verify the signature
- Submitting the challenge response specified by the CA that can be verified by public key, and the private key signature for public key
- Providing the vulnerabilities that can be verified for compromise and the sources of referenced security incidents

The CA will notify the Certificate Subscriber that the private key may have been compromised if they learn that the private key of the Certificate Subscriber may have been compromised.

If the CA determines that the private key has been compromised or is likely to be

compromised, the CP "4.9.1 Circumstances for Certificate Revocation" shall be dealt with.

4.9.13 Circumstances for Suspension The CA will not suspend Certificates.

4.9.14 Who Can Request Suspension Not applicable.

4.9.15 Procedure for Suspension Request Not applicable.

4.9.16 Limits on Suspension Period Not applicable.

4.10 Certificate Status Services

4.10.1 Operational Characteristics

Certificate status is available to Subscribers for confirmation through the OCSP responder.

The CA MUST NOT remove revocation entries in CRL or OCSP responses until after the Expiry Date of the revoked Certificate.

4.10.2 Service Availability

The CA SHALL operate and maintain its CRL and OCSP capability with resources sufficient to provide a response time of 10 seconds or less under normal operating conditions.

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

The CA SHALL maintain a continuous 24x7 ability to respond internally to a highpriority 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

No stipulation

4.11 End of Subscription (Registry)

Subscribers shall submit a Certificate Revocation Request when ending the certificate use. It will also end if they do not apply for the renewal of the certificate and the validity period of the corresponding certificate has expired.

4.12 Key Escrow and Recovery

4.12.1 Key Escrow and Recovery Policy and Practices The CA does not Escrow Subscriber Private Keys.

4.12.2 Session Key Encapsulation and Recovery Policy and Practices Not applicable.

5. Facility, Management, and Operational Controls

5.1 Physical Controls

5.1.1 Site Location and Construction Relevant provisions are stipulated in the CPS.

5.1.2 Physical Access Relevant provisions are stipulated in the CPS.

5.1.3 Power and Air Conditioning Relevant provisions are stipulated in the CPS.

5.1.4 Water Exposures Relevant provisions are stipulated in the CPS.

5.1.5 Fire Prevention and Protection Relevant provisions are stipulated in the CPS.

5.1.6 Media Storage Relevant provisions are stipulated in the CPS.

5.1.7 Waste DisposalRelevant provisions are stipulated in the CPS.

5.1.8 Off-Site Backup Relevant provisions are stipulated in the CPS.

5.2 Procedural Controls

5.2.1 Trusted Roles Relevant provisions are stipulated in the CPS.

5.2.2 Number of Persons Required per Task Relevant provisions are stipulated in the CPS. 5.2.3 Identification and Authentication for Each Role Relevant provisions are stipulated in the CPS.

5.2.4 Roles Requiring Separation of Duties Relevant provisions are stipulated in the CPS.

5.3 Personnel Controls

5.3.1 Qualifications, Experience, and Clearance Requirements Relevant provisions are stipulated in the CPS.

5.3.2 Background Check Procedures Relevant provisions are stipulated in the CPS.

5.3.3 Training Requirements Relevant provisions are stipulated in the CPS.

5.3.4 Retraining Frequency and Requirements Relevant provisions are stipulated in the CPS.

5.3.5 Job Rotation Frequency and Sequence Relevant provisions are stipulated in the CPS.

5.3.6 Sanctions for Unauthorized Actions Relevant provisions are stipulated in the CPS.

5.3.7 Independent Contractor Requirements Relevant provisions are stipulated in the CPS.

5.3.8 Documentation Supplied to Personnel Relevant provisions are stipulated in the CPS.

5.4 Audit Logging Procedures

5.4.1 Types of Events Recorded Relevant provisions are stipulated in the CPS. 5.4.2 Frequency of Processing Audit Log Relevant provisions are stipulated in the CPS.

5.4.3 Retention Period for Audit Log Relevant provisions are stipulated in the CPS.

5.4.4 Protection of Audit LogRelevant provisions are stipulated in the CPS.

5.4.5 Audit Log Backup Procedure Relevant provisions are stipulated in the CPS.

5.4.6 Audit Log Collection System Relevant provisions are stipulated in the CPS.

5.4.7 Notification to Event-Causing Subject Relevant provisions are stipulated in the CPS.

5.4.8 Vulnerability Assessments Relevant provisions are stipulated in the CPS.

5.5 Records Archival

5.5.1 Types of Records Archived Relevant provisions are stipulated in the CPS.

5.5.2 Retention Period for Archive Relevant provisions are stipulated in the CPS.

5.5.3 Protection of Archive Relevant provisions are stipulated in the CPS.

5.5.4 Archive Backup Procedures Relevant provisions are stipulated in the CPS. 5.5.5 Requirements for Time-Stamping of Records Relevant provisions are stipulated in the CPS.

5.5.6 Archive Collection System Relevant provisions are stipulated in the CPS.

5.5.7 Procedures to Obtain and Verify Archive Information Relevant provisions are stipulated in the CPS.

5.6 Key Changeover

Renewal of Key-Pairs or Certificates of the CA, as a general rule, shall be made before their remaining validity periods become shorter than the maximum validity periods of the Certificates issued to Subscribers. After the new key pair is generated, the certificate and CRL are issued using the new key pair.

5.7 Compromise and Disaster Recovery

5.7.1 Incident and Compromise Handling Procedures Relevant provisions are stipulated in the CPS.

5.7.2 Computing Resources, Software, and/or Data are Corrupted Relevant provisions are stipulated in the CPS.

5.7.3 Entity Private Key Compromise Procedures Relevant provisions are stipulated in the CPS.

5.7.4 Business Continuity Capabilities after a Disaster Relevant provisions are stipulated in the CPS.

5.8 CA or RA Termination

In the event of termination of the CA, it shall so notify Subscribers and other affected participants, including Application Software Suppliers through the Delegated Third Party, three (3) months prior to the termination.

6. Technical Security Controls

6.1 Key Pair Generation and Installation

6.1.1 Key Pair Generation

In the certification infrastructure system, CA Key Pairs are generated on an FIPS140-2 Level 3 conformant cryptographic module. The Key Pair generation operation is jointly performed by at least two authorized individuals. Subscriber Key Pairs are generated by Subscriber.

6.1.2 Private Key Delivery to Subscriber The CA does not deliver Private Keys to Subscribers.

6.1.3 Public Key Delivery to Certificate Issuer A Subscriber Public Key may be delivered online to the CA, the communication routing of which is encrypted by SSL/TLS.

6.1.4 CA Public Key Delivery to Relying PartiesRelying Parties may obtain CA Public Keys by accessing the CA Repository.

6.1.5 Key Sizes Relevant provisions are stipulated in the CPS.

6.1.6 Public Key Parameters Generation and Quality Checking Relevant provisions are stipulated in the CPS.

6.1.7 Key Usage Purposes

Usage Purposes of the CA and the Certificates issued by the CA shall be as follows:

Table 6.1-1 Key Usage Purposes

	The CA	The Certificates issued by
		the CA
digital Signature	-	yes
nonRepudiation	-	-
keyEncipherment	-	Yes
		(Optional if the public key

		of the end entity certificate is RSA, prohibited if it is ECDSA)
dataEncipherment	-	-
keyAgreement	-	-
keyCertSign	yes	-
cRLSign	yes	-
encipherOnly	-	-
decipherOnly	-	-

6.2 Private Key Protection and Cryptographic Module Engineering Controls

6.2.1 Cryptographic Module Standards and Controls

The generation, storage and signing operations of the CA Private Keys are performed using an FIPS140-2 Level 3 conformant cryptographic module. No stipulation for Subscriber Private Keys.

6.2.2 Private Key Multi-Person Control

Activation, deactivation, backup and other operations relating to CA Private Keys are jointly performed by at least two authorized individuals in a secure environment. Activation, deactivation, backup and other operations relating to Subscriber Private Keys must be performed securely under the control of the relevant Subscribers.

6.2.3 Private Key Escrow

The CA does not Escrow CA Private Keys.

The CA does not Escrow Subscriber Private Keys.

6.2.4 Private Key Backup

Backup of Private Keys of the CA is jointly performed by at least two authorized individuals and is stored in a secure room as encrypted.

The backup of Subscriber Private Keys must be securely stored under the control of the relevant Subscribers.

6.2.5 Private Key Archival

The CA does not archive CA Private Keys. No stipulation for Subscriber Private Keys.

6.2.6 Private Key Transfer into or from a CryptographicThe transfer of Private Keys of the CA into and from a cryptographic module is performed in a secure room while encrypted.No stipulation for Subscriber Private Keys.

6.2.7 Private Key Storage on Cryptographic ModulePrivate Keys of the CA operated on the Digital Certification Infrastructure are stored within the cryptographic module.No stipulation for Subscriber Private Keys.

6.2.8 Method of Activating Private Key

The CA Private Key is jointly activated by at least two authorized individuals in a secure room.

No stipulation for Subscriber Private Keys.

6.2.9 Method of Deactivating Private Key

The CA Private Key is jointly deactivated by at least two authorized individuals in a secure room.

No stipulation for Subscriber Private Keys.

6.2.10 Method of Destroying Private Key

Private Keys of the CA are jointly destroyed by at least two authorized individuals by means of complete initialization or physical destruction. The Private Key backups are also destroyed in the same manner.

No stipulation for Subscriber Private Keys.

6.2.11 Cryptographic Module Rating

The quality standards to be applied to the cryptographic modules used by the CA are as specified in "6.2.1 Cryptographic Module Standards and Controls" hereof. No stipulation for Subscriber Private Keys.

6.3 Other Aspects of Key Pair Management

6.3.1 Public Key Archival

The provisions for the CA Public Keys are stipulated in "6.2.1 Cryptographic Module

Standards and Controls" of the CPS. No stipulation for Subscriber Private Keys.

6.3.2 Certificate Operational Periods and Key Pair Usage Periods Relevant provisions are stipulated in the CPS.

6.4 Activation Data

6.4.1 Activation Data Generation and Installation Relevant provisions are stipulated in the CPS.

6.4.2 Activation Data ProtectionRelevant provisions are stipulated in the CPS.

6.4.3 Other Aspects of Activation Data Relevant provisions are stipulated in the CPS.

6.5 Computer Security Controls

6.5.1 Specific Computer Security Technical Requirements The CA enforce multi-factor authentication for all accounts capable of directly causing certificate issuance.

6.5.2 Computer Security Rating Relevant provisions are stipulated in the CPS.

6.6 Life-Cycle Technical Controls

6.6.1 System Development ControlsRelevant provisions are stipulated in the CPS.

6.6.2 Security Management Controls Relevant provisions are stipulated in the CPS.

6.6.3 Life-Cycle Security ControlsRelevant provisions are stipulated in the CPS.

6.7 Network Security Controls

Relevant provisions are stipulated in the CPS.

6.8 Time-Stamping

Relevant provisions are stipulated in the CPS.

7. Certificate, CRL, and OCSP Profiles

7.1 Certificate Profile

The CA SHALL meet the technical requirements set forth in the CP, "Section 2.2 – Publication of Information", "Section 6.1.5–Key Sizes", and "Section 6.1.6–Public Key Parameters Generation and Quality Checking".

CAs SHALL generate non-sequential Certificate serial numbers greater than zero (0) and less than 2^159 containing at least 64 bits of output from a CSPRNG.

Certificates issued by the CA conform to RFC5280, the profile of which are indicated in the tables below.

As defined in Section 7.1.2.9 of the Baseline Requirements, for Version, Serial Number, Signature, Issuer, Validity, Subject, SubjectPublicKeyInfo, and SignatureAlgorithm of the Precertificate of the TLS server certificate, the encoded values must be byte-forbyte identical to the TLS server certificate. The order, criticality, and encoded values of Extension fields other than "Extension for Certificate Transparency" must be byte-forbyte identical to the extensions field of the certificate. The Precertificate MUST contain the Precertificate Poison extension (OID: 1.3.6.1.4.1.11129.2.4.3). This extension MUST have an extnValue OCTET STRING which is exactly the hex encoded bytes 0500, the encoded representation of the ASN.1 NULL value, as specified in RFC 6962, Section 3.1.

Basic Fields	3	Settings	critical
Version		Version 3	-
Serial Number		non - sequential Certificate serial	-
		numbers greater than zero (0) and	
		less than 2^{159} containing at least	
		64 bits of output from a CSPRNG	
Signature A	lgorithm	sha256WithRSAEncryption	-
Issuer	Country	C=JP	-
	Organization	O=SECOM Trust Systems CO.,LTD.	-
	Common Name	CN= Set the common name of each	-
		certificate authority	
Validity	NotBefore	A value within 48 hours before the	-

Table 7.1-1 Server Certificate Profile (CA issued by Security Communication Root CA2)

		certificate signing	
	NotAfter	Specified in the CPS "6.3.2	-
		Certificate Operational Periods and	
		Key Pair Usage Periods".	
Subject	Country	C=JP (Fixed value)	-
	State Or Province	Required	-
	Locality	Required	-
	Organization	Required	-
	Organizational Unit	Prohibited	-
	Common Name	Required	-
		Only one entry must be included,	
		which is one of the values included in	
		the Subject Alternative Name	
		extension of the certificate. The	
		value must be encoded as a	
		character-for-character copy of the	
		dNSName entry value from the	
		Subject Alternative Name extension.	
		Specifically, the FQDN part of all	
		domain labels in a fully qualified	
		domain name must be encoded as	
		LDH labels, and P labels must not be	
		converted to Unicode representation.	
		Must not contain a reserved IP	
		address or internal name.	
Subject Publ	lic Key Info	One of the following:	-
		RSA2048 bits,3072 bits, 4096 bits,	
		${ m ECDSA384bits(secp 384r1),256bits}$	
		(secp 256r1)	
Extension F	ields	Settings	critical
keyUsage		digitalSignature,	У
		(keyEncipherment)	
		* If subjectPublicKeyInfo is RSA,	
		keyEncipherment is optional.	
		For ECDSA, keyEncipherment is	
		prohibited.	

extendedKeyUsage	serverAuth , clientAuth	n
	* clientAuth shall be optional.	
Subject Altanative Name	Required	n
	Includes at least one dNSName.	
	Includes fully qualified domain	
	names verified according to this CP	
	"3.2.2.4 Domain Authentication ".	
	The entry cannot include an internal	
	name. The FQDN portion of the fully	
	qualified domain name contained in	
	the entry must be composed entirely	
	of LDH Labels joined together by a	
	U+002E FULL STOP (".") character.	
	The zero-length Domain Label	
	representing the root zone of the	
	Internet Domain Name System must	
	not be included.	
	Effective 2021-10-01, the Fully-	
	Qualified Domain Name must	
	consist solely of Domain Labels that	
	are P-Labels or Non-Reserved LDH	
	Labels.	
CertificatePolicies	[1]policyIdentifier	n
	OID= Set [1.2-1 OID] of this CP	
	policyQualifiers	
	policyQualifierId=CPS	
	qualifier= HTTP(S) URL for the	
	Repository of the CA	
	[2]policyIdentifier= 2.23.140.1.2.2	
	* policyQualifier is deprecated.	
CRL Distribution Points	HTTP URL for the CRL service of the	n
	CA	
	* Optional if id-ad-ocsp	
	accessMethod is present in the	
	Authority Information Access	
	extension.	

Authority Information Access	accessMethod	n
	ocsp (1.3.6.1.5.5.7.48.1)	
	accessLocation	
	HTTP URL of OCSP responder	
	CA Issuers (1.3.6.1.5.5.7.48.2)	
	accessLocation	
	HTTP URL for the CA certificate	
Authority Key Identifier	SHA-1 hash value of Authority	n
	Public Key (160 bits)	
Subject Key Identifier	Optional	n
	SHA-1 hash value of the Subject	
	Public Key (160 bits)	
Certificate Transparency Extension	Optional	n
(1.3.6.1.4.1.11129.2.4.2)	SignedCertificateTimestampList	
	value	

Table 7.1-2 Server Certificate Profile

Basic Field	8	Settings	critical
Version		Version 3	-
Serial Num	lber	non - sequential Certificate serial	-
		numbers greater than zero (0) and	
		less than 2^{159} containing at least	
		64 bits of output from a CSPRNG	
Signature A	Algorithm	ecdsa-with-SHA384	-
Issuer	Country	C=JP	-
	Organization	O=SECOM Trust Systems CO.,LTD.	-
	Common Name	CN=Set the common name of each	-
		certificate authority	
Validity	NotBefore	A value within 48 hours before the	-
		certificate signing	
	NotAfter	Specified in the CPS "6.3.2	-
		Certificate Operational Periods and	
		Key Pair Usage Periods".	

(CA issued by Security Communication ECC Root CA1)

Subject	Country	C=JP (Fixed value)	-
	State Or Province	Required	
	Locality	Required	
	Organization	Required	-
	Organizational Unit	Prohibited	
	Common Name	Optional	-
		Only one entry must be included,	
		which is one of the values included in	
		the Subject Alternative Name	
		extension of the certificate. The	
		value must be encoded as a	
		character-for-character copy of the	
		dNSName entry value from the	
		Subject Alternative Name extension.	
		Specifically, the FQDN part of all	
		domain labels in a fully qualified	
		domain name must be encoded as	
		LDH labels, and P labels must not be	
		converted to Unicode representation.	
		Must not contain a reserved IP	
		address or internal name.	
Subject Pub	lic Key Info	One of the following:	-
		RSA2048 bits, 3072 bits, 4096 bits,	
		ECDSA384 bits (secp384r1), 256 bits	
		(secp 256r1)	
Extension F	ields	Settings	critical
keyUsage		digitalSignature,	У
		(keyEncipherment)	
		* If subjectPublicKeyInfo is RSA,	
		keyEncipherment is optional.	
		For ECDSA, keyEncipherment is	
		prohibited.	
extendedKe	yUsage	serverAuth, clientAuth	n
		* clientAuth shall be optional	
Subject Alt 1	Name	Required	n
		Includes at least one dNSName.	

	Includes fully qualified domain	
	names verified according to this CP	
	"3.2.2.4 Domain Authentication ".	
	The entry cannot include an internal	
	name. The FQDN portion of the fully	
	qualified domain name contained in	
	the entry must be composed entirely	
	of LDH Labels joined together by a	
	U+002E FULL STOP (".") character.	
	The zero-length Domain Label	
	representing the root zone of the	
	Internet Domain Name System must	
	not be included.	
	The FQDN part of a fully Fully-	
	Qualified Domain Name must	
	consist solely of Domain Labels that	
	are P-Labels or Non-Reserved LDH	
	Labels.	
CertificatePolicies	[1]policyIdentifier	n
	OID = Set [1.2-1 OID] of this CP	
	policyQualifiers	
	policyQualifierId=CPS	
	qualifier= HTTP(S) URL for the	
	Repository of the CA	
	[2]policyIdentifier=2.23.140.1.2.2	
	* policyQualifier is deprecated.	
CRL Distribution Points	HTTP URL for the CRL service of the	n
	СА	
	* Optional if id-ad-ocsp	
	accessMethod is present in the	
	Authority Information Access	
	extension.	
Authority Information Access	accessMethod	n
	ocsp (1.3.6.1.5.5.7.48.1)	
	accessLocation	
	HTTP URL for OCSP responder	

	CA Issuers (1.3.6.1.5.5.7.48.2)	
	accessLocation	
	HTTP URL for the CA certificate	
Authority Key Identifier	SHA-1 hash value of the Authority	n
	Public Key (160 bits)	
Subject Key Identifier	Optional	n
	SHA-1 hash value of the Subject	
	Public Key (160 bits)	
Certificate Transparency Extension	Optional	n
(1.3.6.1.4.1.11129.2.4.2)	SignedCertificateTimestampList	
	value	

	(CA issued by Security Communication Root CA2)		
Basic Fields		Settings	critical
Version		Version 3	-
Serial Num	ber	non - sequential Certificate serial	-
		numbers greater than zero (0) and	
		less than 2 ¹⁵⁹ containing at least	
		64 bits of output from a CSPRNG	
Signature A	Algorithm	sha256WithRSAEncryption	-
Issuer	Country	C=JP	-
	Organization	O=SECOM Trust Systems CO.,LTD.	-
	Common Name	CN=Set the common name of each	-
		certificate authority	
Validity	NotBefore	A value within 1 day before the	-
		certificate signing	
	NotAfter	Specified in the CPS "6.3.2	-
		Certificate Operational Periods and	
		Key Pair Usage Periods"	
Subject	Country	C=JP (Fixed value)	-
	Organization	SECOM Trust Systems CO.,LTD	-
		(Fixed value)	
1		†	

Table 7.1-3 OCSP Responder Certificate Profile (CA issued by Security Communication Root CA2)

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OCSP Responder Name

Common Name

-

Subject Public Key Info	One of the following: RSA2048 bits, 3072 bits, 4096 bits.	
Extension Fields	Settings	critical
keyUsage	digitalSignature	У
extendedKeyUsage	OCSPSigning	n
OCSP No Check	null	n
CertificatePolicies	Prohibited	n
Authority Key Identifier	SHA-1 hash value of the Authority Public Key (160 bits)	n
Subject Key Identifier	SHA-1 hash value of the Subject Public Key (160 bits)	n

Table 7.1-4 OCSP Server Certificate Profile

Basic Fields		Settings	critical
Version		Version 3	-
Serial Number		non - sequential Certificate serial	-
		numbers greater than zero (0) and	
		less than 2^159 containing at least	
		64 bits of output from a CSPRNG	
Signature A	Signature Algorithm ecdsa-with-SHA384		-
Issuer	Country	C=JP	-
	Organization	O=SECOM Trust Systems CO.,LTD.	-
	Common Name	CN= Set the common name of each	-
		certificate authority	
Validity	NotBefore	A value within 1 day before the	-
		certificate signing	
	NotAfter	Specified in the CPS "6.3.2	-
		Certificate Operational Periods and	
		Key Pair Usage Periods"	
Subject	Country	C=JP (Fixed value)	-
	Organization	SECOM Trust Systems CO.,LTD	-
		(Fixed value)	
	Common Name	OCSP Responder Name	-

Subject Public Key Info	One of the following: ECDSA384 bits (secp384r1), 256 bits (secp256r1)	
Extension Fields	Settings	critical
keyUsage	digitalSignature	У
extendedKeyUsage	OCSPSigning	n
OCSP No Check	null	n
CertificatePolicies	Prohibited	n
Authority Key Identifier	SHA-1 hash value of Authority	n
	Public Key (160 bits)	
Subject Key Identifier	SHA-1 hash value of the Subject	n
	Public Key (160 bits)	

7.1.1 Version Number(s)

The CA applies version 3.

7.1.2 Certificate Extension

Certificates issued by the CA use certificate extension fields. The certificate profile described in "7.1 Certificate Profile" includes a certificate extension.

7.1.3 Algorithm Object Identifier

The algorithm OID used in this service is as follows:

Algorithm	Object Identifier		
rsaEncryption	$\{iso(1) member-body(2) us(840) rsadsi(113549)$		
	pkcs(1) pkcs-1(1) 1}		
sha256WithRSAEncryption	{iso(1) member-body(2) us(840) rsadsi (113549)		
	pkcs(1) pkcs-1(1) 11}		
sha384WithRSAEncryption	{iso(1) member-body(2) us(840) rsadsi (113549)		
	pkcs(1) pkcs-1(1) 12}		
id-ecPublicKey	{iso(1) member-body(2) us(840) ansi-X9-62(10045) id-		
	<pre>publicKeyType(2) 1 }</pre>		
ecdsa-with-SHA384	{ iso(1) member-body(2) us(840) ansi-X9-62 (10045)		
	<pre>signatures(4) ecdsa-with-SHA2(3) 3 }</pre>		

7.1.4 Name Format

The CA uses the Distinguished Name specified in RFC5280.

For every valid Certification Path (as defined by RFC 5280, Section 6):

For each Certificate in the Certification Path, the encoded content of the Issuer Distinguished Name field of a Certificate SHALL be byte-for-byte identical with the encoded form of the Subject Distinguished Name field of the Issuing CA certificate.

By issuing the Certificate, the CA represents that it followed the procedure set forth in its Certificate Policy and/or Certification Practice Statement to verify that, as of the Certificate's issuance date, all of the Subject Information was accurate. CAs SHALL NOT include a Domain Name in a Subject attribute except as specified in Baseline Requirements Section 3.2.2.4.

Distinguished Names MUST NOT contain only metadata such as '.', '-', and ' ' (i.e. space) characters, and/or any other indication that the value is absent, incomplete, or not applicable.

The CA will not issue a certificate with a Subject Alternative Name extension or "common name" field that contains a reserved IP address or internal name.

If the "common name" value is a fully qualified domain name or a wildcard domain name, the "common name" value is encoded as a character-for-character copy of the dNSName entry value in the Subject Alternative Name extension. Specifically, all Domain Labels in the FQDN part of a fully qualified domain name or wildcard domain name are encoded as LDH Labels, and P-Labels does not convert to Unicode.

7.1.5 Name Constraints Not set in the CA.

7.1.6 Certificate Policy Object Identifier

The OID of the certificate issued by the CA is as described in this CP "1.2 Document Name and Identification".

The following Certificate Policy identifiers are reserved for use by CAs as an optional means of assertaing that a Certificate complies with Baseline Requirements. {joint-iso-itu-t(2) international-organizations(23) ca-browser-forum(140) certificate-policies(1) baseline-requirements(2) organization-validated(2)} (2.23.140.1.2.2)

7.1.7 Use of Policy Constraint Extensions Not set.

7.1.8 Policy Qualifier Syntax and Semantics

For the policy qualifier, the URI of the Web page that publishes this CP and CPS is stored.

7.1.9 How to interpret Critical Certificate Policy Extensions Not set.

7.2 CRL Profile

CRLs issued by the CA conform to RFC5280, the profile of which are indicated in the tables below.

Basic Fields		Settings	critical
Version		Version 2	-
Signature Algorithm		sha256WithRSAEncryption	-
Issuer	Country	C=JP	-
	Organization	O= SECOM Trust Systems CO.,LTD.	-
	Common Name	CN= Set the common name of each	-
		Certificate Authority	
This Update		Issued date and time of CRL	-
Next Update		Date and time when the next CRL	-
		will be issued.	
		Up to 10 days after thisUpdate.	
Revoked	Serial Number	Byte-for-bite identical value to the	-
Certificates		serialNumber included in the	
		revoked certificate.	
	Revocation Date	Usually, the date and time the	-
		revocation occurred.	
	Reason Code	Value specified in "7.2.2 CRL Entry	-
		Extensions"	
Extension F	xtension Fields Settings		critical
CRL Number		CRL Number	n
Authority Key Identifier		SHA-1 hash value of Authority	n
		Public Key (160 bits)	

Table 7 2-1 CRL Profile (CA issued by Security	Communication Root CA2)

Basic Fields		Settings	critical
Version		Version 2	-
Signature Algorithm		ecdsa-with-SHA384	-
Issuer	Country	C=JP -	
	Organization	O= SECOM Trust Systems CO.,LTD.	-
	Common Name	CN= Set the common name of each	-
		Certificate Authority	
This Update		Issued date and time of CRL	-
Next Update		Date and time when the next CRL	-
		will be issued.	
		Up to 10 days after thisUpdate	
Revoked	Serial Number	Byte-for-bite identical value to the	-
Certificates		serialNumber included in the	
		revoked certificate.	
	Revocation Date	Usually, the date and time the	-
		revocation occurred.	
	Reason Code	Value specified in "7.2.2 CRL Entry	-
		Extensions"	
Extension F	n Fields Settings		critical
CRL Number		CRL Number	n
Authority Key Identifier		SHA-1 hash value of Authority	n
		Public Key (160 bits)	

Table 7.2-2 CRL Profile

(CA issued by Security Communication Root CA1)

7.2.1 Version Number(s)

The CA applies CRL version 2.

7.2.2 CRL Entry Extensions

Use the CRL extension field issued by the CA.

reasonCode (OID 2.5.29.21)

Effective 2020-09-30, all of the following requirements MUST be met:

If present, this extension MUST NOT be marked critical.

If a CRL entry is for a Root CA or Subordinate CA Certificate, including Cross Certificates, this CRL entry extension MUST be present.

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If a CRL entry is not for the CA but for a Subscriber Certificate , this CRL entry extension SHOULD be present, but MAY be omitted, subject to the following requirements.

The CRLReason indicated MUST NOT be unspecified (0). If the reason for revocation is unspecified, CAs MUST omit reasonCode entry extension, if allowed by the previous requirements. If a CRL entry is for a Certificate not subject to Baseline Requirements and was either issued on-or-after 2020-09-30 or has a notBefore on-or-after 2020-09-30, the CRLReason MUST NOT be certificateHold (6). If a CRL entry is for a Certificate subject to Baseline Requirements, the CRLReason MUST NOT be certificateHold (6).

If a reasonCode CRL entry extension is present, the CRLReason MUST indicate the most appropriate reason for revocation of the certificate, as defined by the CA within its CP/CPS.

CRLReason must be included in the reasonCode extension of the CRL entry corresponding to a Subscriber Certificate that is revoked on-or-after July 15, 2023, unless the CRLReason is "unspecified (0)". Revocation reason code entries for Subscriber Certificates revoked prior to July 15, 2023, do not need to be added or changed.

One of the following CRLReasons may be present in the CRL reasonCode extension for Subscriber Certifificates:

- 1. keyCompromise (RFC 5280 CRLReason #1): Indicates that it is known or suspected that the Subscriber's Private Key has been compromised;
- 2. affiliationChanged (RFC 5280 CRLReason #3): Indicates that the Subject's name or other Subject Identity Information in the Certificate has changed, but there is no cause to suspect that the Certificate's Private Key has been compromised;
- 3. superseded (RFC 5280 CRLReason #4): Indicates that the Certificate is being replaced because: the Subscriber has requested a new Certificate, the CA has reasonable evidence that the validation of domain authorization or control for any fully qualified domain name or IP address in the Certificate should not be relied upon, or the CA has revoked the Certificate for compliance reasons such as the Certificate does not comply with the Baseline Requirements or the CA's CP or CPS;
- 4. cessationOfOperation (RFC 5280 CRLReason #5): Indicates that the website with the Certificate is shut down prior to the expiration of the Certificate, or if the Subscriber no longer owns or controls the Domain Name in the Certificate prior to

the expiration of the Certificate; or

5. privilegeWithdrawn (RFC 5280 CRLReason #9): Indicates that there has been a subscriber-side infraction that has not resulted in keyCompromise, such as the Certificate Subscriber provided misleading information in their Certificate Request or has not upheld their material obligations under the Subscriber Agreement or Terms of Use.

The Subscriber Agreement, or an online resource referenced therein, must inform Subscribers about the revocation reason options listed above and provide explanation about when to choose each option. Tools that the CA provides to the Subscriber must allow for these options to be easily specified when the Subscriber requests revocation of their Certificate, with the default value being that no revocation reason is provided (i.e. the default corresponds to the CRLReason "unspecified (0)" which results in no reasonCode extension being provided in the CRL).

The privilegeWithdrawn reasonCode should not be made available to the Subscriber as a revocation reason option, because the use of this reasonCode is determined by the CA and not the Subscriber.

When the CA obtains verifiable evidence of Key Compromise for a Certificate whose CRL entry does not contain a reasonCode extension or has a reasonCode extension with a non-keyCompromise reason, the CA should update the CRL entry to enter keyCompromise as the CRLReason in the reasonCode extension. Additionally, the CA should update the revocation date in a CRL entry when it is determined that the private key of the certificate was compromised prior to the revocation date that is indicated in the CRL entry for that certificate.

Note: Backdating the revocationDate field is an exception to best practice described in RFC 5280 (section 5.3.2); however, these requirements specify the use of the revocationDate field to support TLS implementations that process the revocationDate field as the date when the Certificate is first considered to be compromised.

In the CA, the following reasonCode shall be used.

keyCompromise (1) affiliationChanged (3) superseded (4) cessationOfOperation (5) privilegeWithdrawn (9)

7.3 OCSP Profile

The CA operates the OCSP responder in compliance with RFC5019 and 6960. Effective 2020-09-30, if an OCSP response is for a Root CA or Subordinate CA Certificate, including Cross Certificates, and that certificate has been revoked, then the revocationReason field within the RevokedInfo of the CertStatus MUST be present. Effective 2020-09-30, the CRLReason indicated MUST contain a value permitted for CRLs, as specified in the CP "Section 7.2.2 CRL Entry Extensions".

7.3.1 Version Number(s) The CA uses OCSP Version 1.

7.3.2 OCSP Extensions

Refer to this CP "7.1 Certificate Profile".

The singleExtensions of an OCSP response MUST NOT contain the reasonCode (OID 2.5.29.21) CRL entry extension.

8. Compliance Audit and Other Assessments Relevant provisions are stipulated in the CPS.

8.1 Frequency and Circumstances of Assessment Relevant provisions are stipulated in the CPS.

8.2 Identity/Qualifications of Assessor Relevant provisions are stipulated in the CPS.

8.3 Assessor's Relationship to Assessed Entity Relevant provisions are stipulated in the CPS.

8.4 Topics Covered by Assessment

The CA SHALL undergo an audit as appropriate in accordance with the WebTrust Standards below:

- WebTrust for CAs
- \cdot WebTrust for CAs SSL Baseline with Network Security
- WebTrust Principles and Criteria for Certification Authorities Network Security

8.5 Actions Taken as a Result of Deficiency Relevant provisions are stipulated in the CPS.

8.6 Communication of Results Relevant provisions are stipulated in the CPS.

8.7 Self-Audits Relevant provisions are stipulated in the CPS.

9. Other Business and Legal Matters

9.1 Fees

9.1.1 Fees for Issuing or Renewing Certificates Stipulated separately in contracts.

9.1.2 Certificate Access Fee No stipulation.

9.1.3 Expiration or Access Fee for Status Information No stipulation.

9.1.4 Fees for Other Services No stipulation.

9.1.5 Refund Policy Stipulated separately in contracts.

9.2 Financial Responsibility

9.2.1 Insurance Coverage SECOM Trust Systems shall maintain a sufficient financial resources for the operation and maintenance of the CA.

9.2.2 Other Assets No stipulation.

9.2.3 End entity Insurance or Warranty coverage No stipulation.

9.3 Confidentiality of Business Information

9.3.1 Scope of Confidential Information Relevant provisions are stipulated in the CPS. 9.3.2 Information Not Within the Scope of Confidential Information Relevant provisions are stipulated in the CPS.

9.3.3 Responsibility to Protect Confidential Information Relevant provisions are stipulated in the CPS.

9.4 Privacy of Personal Information

9.4.1 Personal Information Protection Plan Relevant provisions are stipulated in the CPS.

9.4.2 Information Treated as Personal Information Relevant provisions are stipulated in the CPS.

9.4.3 Information that is not considered Personal Information Relevant provisions are stipulated in the CPS.

9.4.4 Responsibility for protecting Personal Information Relevant provisions are stipulated in the CPS.

9.4.5 Notice and Consent regarding use of Personal Information Relevant provisions are stipulated in the CPS.

9.4.6 Information Disclosure with Judicial or Administrative Procedures Relevant provisions are stipulated in the CPS.

9.4.7 Other Information Disclosure Conditions Relevant provisions are stipulated in the CPS.

9.5 Intellectual Property Rights

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9.6 Representations and Warranties

9.6.1 CA Representations and Warranties

Secon Trust Systems provides authentication services including subscriber examination, certificate registration, issuance, and revocation in compliance with the contents stipulated in this CP and CPS, and ensure the reliability of authentication work, including the reliability of CA private keys.

Except for the warranties set forth in this CP and CPS, SECOM Trust Systems makes no warranties, explicitly or implied, or in any other way.

By issuing a Certificate, the CA makes the certificate warranties listed herein to the following Certificate Beneficiaries:

- 1. The Subscriber that is a party to the Subscriber Agreement or Terms of Use for the Certificate;
- 2. All Application Software Suppliers with whom the Root CA has entered into a contract for inclusion of its Root Certificate in software distributed by such Application Software Supplier; and
- 3. All Relying Parties who reasonably rely on a Valid Certificate. The CA represents and warrants to the Certificate Beneficiaries that, during the period when the Certificate is valid, the CA has complied with Baseline Requirements and its Certificate Policy and/or Certification Practice Statement in issuing and managing the Certificate.

The Certificate Warranties specifically include, but are not limited to, the following:

- 1. Right to Use Domain Name or IP Address: That, at the time of issuance, the CA
- i. implemented a procedure for verifying that the Applicant either had the right to use, or had control of, the Domain Name(s) and IP address(es) listed in the Certificate's subject field and subjectAltName extension (or, only in the case of Domain Names, was delegated such right or control by someone who had such right to use or control);
- ii. followed the procedure when issuing the Certificate; and
- iii. accurately described the procedure in the CA's Certificate Policy and/or Certification Practice Statement;
- 2. Authorization for Certificate: That, at the time of issuance, the CA
- i. implemented a procedure for verifying that the Subject authorized the issuance

of the Certificate and that the Applicant Representative is authorized to request the Certificate on behalf of the Subject;

- ii. followed the procedure when issuing the Certificate; and
- iii. accurately described the procedure in the CA's Certificate Policy and/or Certification Practice Statement;
- 3. Accuracy of Information: That, at the time of issuance, the CA
- i. implemented a procedure for verifying the accuracy of all of the information contained in the Certificate (with the exception of the subject:organizationalUnitName attribute);
- ii. followed the procedure when issuing the Certificate; and
- iii. accurately described the procedure in the CA's Certificate Policy and/or Certification Practice Statement;
- 4. No Misleading Information: That, at the time of issuance, the CA
- i. implemented a procedure for reducing the likelihood that the information contained in the Certificate's subject:organizationalUnitName attribute would be misleading;
- ii. followed the procedure when issuing the Certificate; and
- iii. accurately described the procedure in the CA's Certificate Policy and/or Certification Practice Statement;
- 5. Identity of Applicant: That, if the Certificate contains Subject Identity Information, the CA
- i. implemented a procedure to verify the identity of the Applicant in accordance with Baseline Requirements Section 3.2 and Section 7.1.4.2.2;
- ii. followed the procedure when issuing the Certificate; and
- iii. accurately described the procedure in the CA's Certificate Policy and/or Certification Practice Statement;
- 6. Subscriber Agreement: That, if the CA and Subscriber are not Affiliated, the Subscriber and the CA are parties to a legally valid and enforceable Subscriber Agreement that satisfies Baseline Requirements, or, if the CA and Subscriber are the same entity or are Affiliated, the Applicant Representative acknowledged the Terms of Use;
- 7. Status: That the CA maintains a 24 x 7 publicly-accessible Repository with current information regarding the status (valid or revoked) of all unexpired Certificates; and
- 8. Revocation: That the CA will revoke the Certificate for any of the reasons specified in Baseline Requirements.

The Root CA SHALL be responsible for the performance and warranties of the Subordinate CA, for the Subordinate CA's compliance with Baseline Requirements, and for all liabilities and indemnification obligations of the Subordinate CA under Baseline Requirements, as if the Root CA were the Subordinate CA issuing the Certificates

9.6.2 RA Representations and Warranties

Same as this CP "9.6.1 CA Representation and Warranties".

9.6.3 Subscriber Representations and Warranties

The CA SHALL require, as part of the Subscriber Agreement or Terms of Use, that the Applicant make the commitments and warranties in this section for the benefit of the CA and the Certificate Beneficiaries.

Prior to the issuance of a Certificate, the CA SHALL obtain, for the express benefit of the CA and the Certificate Beneficiaries, either:

1. The Applicant's agreement to the Subscriber Agreement with the CA, or

2. The Applicant's acknowledgement of the Terms of Use.

The CA SHALL implement a process to ensure that each Subscriber Agreement or Terms of Use is legally enforceable against the Applicant. In either case, the Agreement MUST apply to the Certificate to be issued pursuant to the certificate request. The CA MAY use an electronic or "click-through" Agreement provided that the CA has determined that such agreements are legally enforceable. A separate Agreement MAY be used for each certificate request, or a single Agreement MAY be used to cover multiple future certificate requests and the resulting Certificates, so long as each Certificate that the CA issues to the Applicant is clearly covered by that Subscriber Agreement or Terms of Use.

The Subscriber Agreement or Terms of Use MUST contain provisions imposing on the Applicant itself (or made by the Applicant on behalf of its principal or agent under a subcontractor or hosting service relationship) the following obligations and warranties:

1. Accuracy of Information: An obligation and warranty to provide accurate and complete information at all times to the CA, both in the certificate request and as otherwise requested by the CA in connection with the issuance of the Certificate(s) to be supplied by the CA;

2. Protection of Private Key: An obligation and warranty by the Applicant to take all

reasonable measures to assure control of, keep confidential, and properly protect at all times the Private Key that corresponds to the Public Key to be included in the requested Certificate(s) (and any associated activation data or device, e.g. password or token);

- 3. Acceptance of Certificate: An obligation and warranty that the Subscriber will review and verify the Certificate contents for accuracy;
- 4. Use of Certificate: For TLS server certificate, an obligation and warranty to install the Certificate only on servers that are accessible at the subjectAltName(s) listed in the Certificate, and to use the Certificate solely in compliance with all applicable laws and solely in accordance with the Subscriber Agreement or Terms of Use;
- 5. Reporting and Revocation: An obligation and warranty to:
- a. promptly request revocation of the Certificate, and cease using it and its associated Private Key, if there is any actual or suspected misuse or compromise of the Subscriber's Private Key associated with the Public Key included in the Certificate, and
- b. promptly request revocation of the Certificate, and cease using it, if any information in the Certificate is or becomes incorrect or inaccurate.
- 6. Termination of Use of Certificate: An obligation and warranty to promptly cease all use of the Private Key corresponding to the Public Key included in the Certificate upon revocation of that Certificate for reasons of Key Compromise.
- 7. Responsiveness: An obligation to respond to the CA's instructions concerning Key Compromise or Certificate misuse within a specified time period.
- 8. Acknowledgment and Acceptance: An acknowledgment and acceptance that the CA is entitled to revoke the certificate immediately if the Applicant were to violate the terms of the Subscriber Agreement or Terms of Use or if revocation is required by the CA's CP, CPS, or Baseline Requirements.

9.6.4 Relying Party Representations and Warranties

The Relying Party of the services of the CA has the following obligations:

- . Trust the certificate issued by the CA and use the certificate only for the purposes specified by this CA in this CP and CPS.
- When trying to trust a certificate, make sure that the certificate has not been revoked by the CRL or OCSP responder in the repository.
- When trying to trust a certificate, check the validity period of the certificate and confirm that it is within the validity period.
- When trying to trust a certificate issued by this CA, make sure that the certificate

can be signed and verified by the CA's certificate.

• Agree to be responsible as a Relying Party as specified in this CP and CPS when trying to trust and use the CA's certificate.

9.6.5 Representations and Warranties of Other Participants

No stipulation.

9.7 Disclaimer of Warranties

The CA is not liable for any direct, special, incidental or consequential damages arising in connection with the warranties stipulated in "9.6.1 CA Representations and Warranties" and "9.6.2 RA Representations and Warranties" hereof, or for lost earnings, loss of data, or any other indirect or consequential damages.

9.8 Limitations of Liability

In this CP, the CA shall not be liable for in the following cases.

- any damage arising from unlawful conduct, unauthorized use, negligence or any other cause not attributable to the CA;
- all liability in any case if the confirmed information error is the result of the applicant's fraud or willful misconduct.
- any damage attributable to the failure of a Subscriber to perform its obligations;
- any damage attributable to a Subscriber system;
- damages attributable to the defect or malfunction or any other behavior of the Subscriber environment (hardware or software);
- damages caused by information published in a Certificate, a CRL or on the OCSP responder due to the reasons not attributable to SECOM Trust Systems;
- any damage incurred in an outage of the normal communication due to reasons not attributable to SECOM Trust Systems;
- any damage arising in connection with the use of a Certificate, including transaction debts;
- any damage caused by the Delegated Third Party's failure to fulfill its service provision obligations, such as the termination of service provision by them;
- any damages attributable to improvement, beyond expectations at this point in time, in hardware or software type of cryptographic algorithm decoding skills; and
- any damage attributable to the suspension of the CA's operations due to force majeure, including, but not limited to, natural disasters, earthquakes, volcanic eruptions, fires, tsunami, floods, lightning strikes, wars, civil commotion and

terrorism.

9.9 Indemnities

Compensation for the certificate issued by the CA shall be stipulated separately.

9.10 Term and Termination

9.10.1 Term

This CP goes into effect upon approval by this Committee.

9.10.2 Termination

This CP loses effect as of the termination hereof by the CA.

9.10.3 Effect of Termination and Survival

Even in the event of termination of the use of a Certificate by a Subscriber or the termination of a service provided by the Delegated Third Party, or the CA closes its business, provisions that should remain in effect, due to the nature thereof, shall survive any such termination, regardless of the reasons therefor, and remain in full force and effect with respect to any Subscriber and the CA.

9.11 Individual Notices and Communications with Participants

The CA provides the necessary notices to the Delegated Third Party, then the Delegated Third Party provides the necessary notice to Subscribers and Relying Parties through its website, e-mail or in other written forms.

9.12 Amendments

9.12.1 Procedure for Amendment

This CP shall be revised by the CA as appropriate and goes into effect upon approval by this Committee.

9.12.2 Notification Method and Timing

Whenever this CP is modified, the prompt publication of the modified CP shall be deemed as the notification thereof to the participants.

9.12.3 Circumstances under Which OID Must Be Changed

OID shall be changed if the Certification Service Improvement Committee determines that it is necessary.

9.13 Dispute Resolution Procedures

A party seeking to file a lawsuit, request arbitration or take any other legal action against the CA for the resolution of a dispute relating to a Certificate issued by the CA, said party shall notify the CA to this effect in advance. As regards the location for arbitration and court proceedings, a dispute settlement institution located within Tokyo shall have exclusive jurisdiction.

9.14 Governing Law

The laws of Japan will apply to any dispute concerning the interpretation or validity of this CP and the CPS, as well as the use of the Certificates.

9.15 Compliance with Applicable Law

The CA shall handle cryptographic hardware and software in compliance with relevant export regulations of Japan.

9.16 Miscellaneous Provisions

9.16.1 Entire Agreement

SECOM Trust Systems comprehensively stipulates the obligations of Subscribers and Relying Parties and other relevant matters in this CP, the Service Terms and CPS, for provision of the services. Any agreement otherwise, whether oral or written, shall have no effect.

9.16.2 Assignment

When assigning the services to a third party, SECOM Trust Systems may assign its responsibilities and other obligations specified in this CP, the Service Terms and CPS.

9.16.3 Severability

Even if any provision of this CP, the Service Terms and CPS is deemed invalid, all other provisions stipulated therein shall remain in full force and effect.

In the event of a conflict between Baseline Requirements and a law, regulation or

government order (hereinafter 'Law') of any jurisdiction in which a CA operates or issues certificates, a CA MAY modify any conflicting Baseline Requirement to the minimum extent necessary to make the requirement valid and legal in the jurisdiction. This applies only to operations or certificate issuances that are subject to that Law. In such event, the CA SHALL immediately (and prior to issuing a certificate under the modified requirement) include in Section 9.16.3 of the CA's CPS a detailed reference to the Law requiring a modification of Baseline Requirements under this section, and the specific modification to Baseline Requirements implemented by the CA.

The CA MUST also (prior to issuing a certificate under the modified requirement) notify the CA/Browser Forum of the relevant information newly added to its CPS by sending a message to questions@cabforum.org and receiving confirmation that it has been posted to the Public Mailing List and is indexed in the Public Mail Archives available at https://cabforum.org/pipermail/public/ (or such other email addresses and links as the Forum may designate), so that the CA/Browser Forum may consider possible revisions to Baseline Requirements accordingly.

Any modification to CA practice enabled under this section MUST be discontinued if and when the Law no longer applies, or Baseline Requirements are modified to make it possible to comply with both Baseline Requirements and the Law simultaneously. An appropriate change in practice, modification to the CA's CPS and a notice to the CA/Browser Forum, as outlined above, MUST be made within 90 days.

9.16.4 Enforcement

Disputes regarding this service shall be governed by the Tokyo District Court, and SECOM Trust Systems may request the parties for compensation and attorney's fees for disputes arising from the contractual provisions of the respective regulatory documents, damages, losses and costs related to the parties' actions.

9.16.5 Irresistible Force

SECOM Trust Systems shall not be liable for any damages caused by natural disasters, earthquakes, eruptions, fires, tsunamis, floods, lightning strikes, disturbances, terrorism, or any other force majeure, whether or not foreseeable. If it becomes impossible to provide this CA, SECOM Trust Systems may suspend this CA until the situation stops.

9.17 Other Provisions No stipulation