# Mozilla - CA Program

ase Information			
Case Number	00000074	Case Record Type	CA Owner/Root Inclusion Reques
CA Owner/Certificate Name	TrustCor Systems	Request Status	Initial Request Received
dditional Case Info	ormation		
Subject	Include TrustCor Root Certificates	Case Reason	
ugzilla Information	1		
Link to Bugzilla Bug	https://bugzilla.mozilla.org /show_bug.cgi?id=1231853		
eneral information	about CA's associated organization		
CA Email Alias 1	registrar@trustcor.ca		
CA Email Alias 2			
Company Website	http://www.trustcorsystems.com	Verified?	Verified
Organizational Type	Commercial Organization	Verified?	Verified
Organizational Type (Others)		Verified?	Not Applicable
Geographic Focus	Canada, Global	Verified?	Verified
Primary Market / Customer Base	TrustCor develops privacy protection services and issues certificates to its customers in support of such services.	Verified?	Verified
mpact to Mozilla Users	Firefox and Thunderbird users may encounter SSL certs that chain up to some	Verified?	Verified

## Response to Mozilla's list of Recommended Practices

of these roots.

Recommended Practices	https://wiki.mozilla.org Recommended /CA:Recommended_Practices#CA_Recommended_Practices Statemer	
CA's Response to Recommended Practices	<ul> <li>* CA Hierarchy: <u>https://www.trustcorsystems.com/resources</u></li> <li>* Document Handling of IDNs in CP/CPS: At the current time, TrustCor only issues domain name certificates whose character set is representable within USASCII.</li> <li>* Revocation of Compromised Certificates: CPS Section 4.9</li> <li>* Verifying Domain Name Ownership: CPS Section 3.2.2.1</li> <li>* Verifying Email Address Control: CPS Section 3.2.2.1</li> <li>* DNS names go in SAN: All DNS names which form part of the CN are stored as dnsNames in the SAN section as well.</li> <li>* Domain owned by a Natural Person: TrustCor does not</li> </ul>	? Verified

issue DV SSL certificates to natural persons, only domain names. OV SSL certificates are issued only to registered bodies, not natural persons, and the CN is set to a DNS name. S/MIME "DV" certificates are issued to email addresses, and OV S/MIME certificates are issued to email addresses for which we have evidence that the controller of the email address is authorized to assert the organizational information present in the certificate. \* OCSP: The status of any certificate issued by TrustCor is discoverable via OCSP. OCSP revocation information is updated at least every day, and OCSP responses are valid

for no more than 4 days.

Potentially Problematic Practices	https://wiki.mozilla.org /CA:Problematic_Practices#Potentially_problematic_CA_practices	Problematic Practices Statement	I have reviewed Mozilla's list of Potentially Problematic Practices, and confirm that we do not do those practices, with exceptions and clarifications noted in the text box below.
A's Response to Problematic Practices	<ul> <li>*Long-lived DV certificates: DV certificates issued by TrustCor have a maximum validity period of 12 months.</li> <li>* Wildcard DV SSL certificates: CPS section 3.2.2.6, TrustCor does not issue wildcard DV certificates.</li> <li>* Email Address Prefixes for DV Certs: CPS Section 3.2.2.1 "admin", "administrator", "hostmaster", "postmaster" and "webmaster".</li> <li>* Delegation of Domain / Email validation to third parties: TrustCor validates domain and email addresses in house. No external RA functions are used.</li> <li>* Issuing end entity certificates directly from roots: TrustCor does not issue end-entity certificates from its root, only subordinate CAs.</li> <li>* Allowing external entities to operate subordinate CAs: TrustCor has a subordinate CA/RA capability which can only issue technically constrained certificates chaining to TrustCor's Root CA certificates.</li> <li>* Distributing generated private keys in PKCS#12 files: TrustCor does not generate private keys for its customers.</li> <li>* Certificates referencing hostnames or private IP addresses: TrustCor does not issue certificates containing IP spaces at all. All DNS names embedded in issued certificates must be subordinate to domains which chain to entities on the public suffix list.</li> <li>* Issuing SSL Certificates for Internal Domains: TrustCor does not treat '.int' as signifying a private domain. All DNS names in issued certificates must be contained within the <a href="https://www.publicsuffix.org/list/list">https://www.publicsuffix.org/list/list</a>.</li> <li>* OCSP Responses signed by a certificate under a different root: TrustCor does not sisue, and never has issued, certificates: TrustCor does not issue, and never has issued, certificates: TrustCor does not issue, and never has issued, certificates: TrustCor does not issue, and never has issued, certificates: TrustCor does not issue, and never has issued, certificates: TrustCor does not issue, and never has issued, certificates issued and does not use generin names.</li> &lt;</ul>	Verified?	Verified

appropriate TrustCor personnel. Backdating the notBefore date TrustCor does not issue backdated certificates to subscribers for any reason.

#### Root Case Record #1 **Root Case Information Root Certificate Name** TrustCor RootCert CA-1 **Root Case No** R00000101 **Request Status** Need Information from CA **Case Number** 00000074 Additional Root Case Information Subject Include TrustCor RootCert CA-1 root **Technical Information about Root Certificate O From Issuer Field** Verified? TrustCor Systems S. de R.L. Verified **OU From Issuer Field** TrustCor Certificate Authority Verified? Verified **Certificate Summary** This root issues internally-operated Verified? Verified SubCAs which issue SSL and S/MIME certificates. **Root Certificate** Verified? https://www.trustcorsystems.com/certs Verified Download URL /TrustCor\_ECA1.pem Valid From Verified? 2014 Dec 03 Verified Valid To 2029 Dec 31 Verified? Verified Verified? **Certificate Version** Verified 3 **Certificate Signature** Verified? Verified SHA-256 Algorithm Verified? Signing Key 2048 Verified Parameters Test Website URL Verified? https://catest1.trustcor.ca/ Verified (SSL) or Example Cert CRL URL(s) Verified? Verified http://crl.trustcor.ca/ http://crl.trustcor.ca/root/ca1.crl http://crl.trustcor.ca/sub/ca1-site.crl OCSP URL(s) Verified? Verified http://ocsp.trustcor.ca/root/ca1 http://ocsp.trustcor.ca/sub/ca1-site Maximum expiration time of OCSP responses: 4 days **Revocation Tested** NEED: Fix all errors listed here Verified? Need Response From CA https://certificate.revocationcheck.com /catest1.trustcor.ca Trust Bits Verified? Verified Email; Websites SSL Validation Type Verified? DV Verified EV Policy OID(s) Verified? Not EV Not Applicable EV Tested Verified? Not Applicable **Root Stores Included** Microsoft Verified? Verified In

Verified? Verified

### **Digital Fingerprint Information**

SHA-1 Fingerprint 9C:DE:26:D0:7B:B6:8D:E3:50:C8:35:E7:95:0E:E8:1C:DE:97:87:F5

Verified? Verified

SHA-256 48:8F:CA:18:9E:AA:DF:54:A3:F9:20:ED:39:E5:87:18:3B:A5:12:23:29:99:FA:E3:E4:A2:85:FE:98:E2:98:D1 Verified? Verified Fingerprint

#### **CA Hierarchy Information**

CA Hierarchy	This root issues internally-operated SubCAs which issues SSL and S/MIME certificates. CPS section 1.3.1: The Basic Root Certificate (CA-1) - used to ultimately be the root of trust for all certificates issued under the Basic Assurance programme. This certificate currently signs the subordinate CAs: - Basic Secure Email CA (Subordinate CA1-Email) - Basic Secure Site CA (Subordinate CA1-Site) - Basic Secure Site CA [Restricted Key Size] (Subordinate CA1-Site-2048)	Verified?	Verified
Externally Operated SubCAs	This root does not and will not have any subCAs that are operated by external third parties.	Verified?	Verified
Cross Signing	None. None planned	Verified?	Verified
Technical Constraint on 3rd party Issuer	No third parties can issue certificates signed by this root. The Enterprise Root Certificate (ECA-1) is the only root allowed to issue externally-operated subCAs. CPS section 1.3.2: External RAs are not entitled to perform general domain or organizational validation; they are strictly limited to registration for credentials to domains and principals assigned to their specific organization.	Verified?	Verified
Verification Policies	s and Practices		
Policy Documentation	All documents are in English	Verified?	Verified
CA Document Repository	https://www.trustcorsystems.com /resources/	Verified?	Verified
CP Doc Language	English		
СР	https://www.trustcorsystems.com/static /webtrust/cp.pdf	Verified?	Verified
CP Doc Language	English		
CPS	https://www.trustcorsystems.com/static /webtrust/cps.pdf	Verified?	Verified
Other Relevant Documents		Verified?	Not Applicable

Auditor Name	Princeton Audit Group (PAG)	Verified?	Verified
Auditor Website	http://princetonauditgroup.com/	Verified?	Verified
Auditor Qualifications	http://www.webtrust.org/licensed- webtrust-practitions-international /item64419.aspx	Verified?	Verified
Standard Audit	https://cert.webtrust.org /SealFile?seal=1800&file=pdf	Verified?	Verified
Standard Audit Type	WebTrust	Verified?	Verified
Standard Audit Statement Date	12/31/2014	Verified?	Verified
BR Audit	NEED: BR audit as described here: https://wiki.mozilla.org /CA:BaselineRequirements	Verified?	Need Response From CA
BR Audit Type		Verified?	Need Response From CA
BR Audit Statement Date		Verified?	Need Response From CA
EV Audit		Verified?	Not Applicable
EV Audit Type		Verified?	Not Applicable
EV Audit Statement Date		Verified?	Not Applicable
BR Commitment to Comply	CPS section 1.1	Verified?	Verified
SSL Verification Procedures	CPS section 3.2.2.1: For Basic Secure Site certificates, any of the following methods may be used to establish authority to use the domain name requested: 1. Check that the relevant domain name registrar via WHOIS and validate that the name on the certificate matches that of the requestor. 2. Using the registrar supplied details, communicate with the registrant using email, telephone or postal mail to ensure that the request was genuine 3. Failing the above, send an email to the well known administrative email addresses for a domain, pruning such components from the FQDN until a registered domain is reached. The administrator", "hostmaster", "postmaster" and "webmaster" 4. Asking of the Applicant that a website page, hosted at FQDN requested contain a base64 randomly generated 128 bit request token (supplied by TrustCor CA) If the request token can be fetched from the URI, practical web site control is deemed to have been demonstrated. TrustCor CA must be able to fetch that request token within 7 days from its generation and communication to the Applicant. 5. Asking of the Applicant that a DNS change for the zone containing the FQDN contains a new record (usually of type TXT) is published, whose record set contains a base64 encoded 128 bit request token generated by TrustCor CA	Verified?	Verified

Procedures	Not requesting EV treatment	Verified?	Not Applicable
Organization Verification Procedures	Only DV certificates issued in this CA hierarchy.	Verified?	Verified
Email Address Verification Procedures	CPS section 3.2.2.1: For Secure Email certificates, a challenge email is sent to the mailbox requested in registration. If the mailbox owner is capable of seeing and replying to the email, whether by clicking a link contained within the challenge or returning an acceptable reply via email to the challenge, the email identity is deemed validated. Challenge URIs and/or tokens are randomly generated per validation request and time out after a period not exceeding 7 days (although TrustCor CA may shorten that period at its discretion). If the request was for a Basic Secure Mail certificate, the validation process is complete, and the certificate can be issued, assuming that it would pass the normal checks for uniqueness, key strength and so on.	Verified?	Verified
Code Signing ubscriber Verification Pro	Mozilla is no longer enabling the Code Signing trust bit.	Verified?	Not Applicable
Multi-Factor Authentication	CPS section 5.2.3	Verified?	Verified
Network Security	CPS section 6.5 and 6.7	Verified?	Verified
ink to Publicly Dis	closed and Audited subordinate CA Co	ertificates	
Publicly Disclosed & Audited subCAs	NEED: The following link doesn't appear to be working. CPS section 2.1 The certificates which are used to sign TrustCor CA's end-entity certificates can be located under http://www.trustcor.ca /certs	Verified?	Need Response From CA
Audited subCAs	to be working. CPS section 2.1 The certificates which are used to sign TrustCor CA's end-entity certificates can be located under http://www.trustcor.ca /certs	Verified?	Need Response From CA
Audited subCAs	to be working. CPS section 2.1 The certificates which are used to sign TrustCor CA's end-entity certificates can be located under http://www.trustcor.ca /certs	Verified?	Need Response From CA
Audited subCAs	to be working. CPS section 2.1 The certificates which are used to sign TrustCor CA's end-entity certificates can be located under http://www.trustcor.ca /certs	Verified?	Need Response From CA
Audited subCAs	to be working. CPS section 2.1 The certificates which are used to sign TrustCor CA's end-entity certificates can be located under http://www.trustcor.ca /certs		
Audited subCAs OOT Case F Root Case Informat Root Certificate Name	to be working. CPS section 2.1 The certificates which are used to sign TrustCor CA's end-entity certificates can be located under http://www.trustcor.ca /certs Record # 2 tion TrustCor RootCert CA-2 Need Information from CA	Root Case No	R00000102
Audited subCAs OOT Case F Root Case Informat Root Certificate Name Request Status	to be working. CPS section 2.1 The certificates which are used to sign TrustCor CA's end-entity certificates can be located under http://www.trustcor.ca /certs Record # 2 tion TrustCor RootCert CA-2 Need Information from CA	Root Case No	R00000102
Audited subCAs OOT Case Informat Root Case Informat Root Certificate Name Request Status Additional Root Cas Subject	to be working. CPS section 2.1 The certificates which are used to sign TrustCor CA's end-entity certificates can be located under http://www.trustcor.ca /certs Record # 2 tion TrustCor RootCert CA-2 Need Information from CA se Information	Root Case No	R00000102
Audited subCAs OOT Case Informat Root Case Informat Request Status Additional Root Cas Subject	to be working. CPS section 2.1 The certificates which are used to sign TrustCor CA's end-entity certificates can be located under http://www.trustcor.ca /certs Record # 2 tion TrustCor RootCert CA-2 Need Information from CA se Information Include TrustCor RootCert CA-2	Root Case No	R00000102

Certificate Summary	This root issues internally-operated SubCAs which issue SSL and S/MIME certificates.	Verified?	Verified	
Root Certificate Download URL	https://www.trustcorsystems.com/certs /TrustCor_RootCert_CA2.pem	Verified?	Verified	
Valid From	2014 Dec 03	Verified?	Verified	
Valid To	2034 Dec 31	Verified?	Verified	
Certificate Version	3	Verified?	Verified	
Certificate Signature Algorithm	SHA-256	Verified?	Verified	
Signing Key Parameters	4096	Verified?	Verified	
Test Website URL (SSL) or Example Cert	https://catest2.trustcor.ca/	Verified?	Verified	
CRL URL(s)	http://crl.trustcor.ca/ http://crl.trustcor.ca/root/ca2.crl http://crl.trustcor.ca/sub/ca2-site.crl	Verified?	Verified	
OCSP URL(s)	http://ocsp.trustcor.ca/root/ca2 http://ocsp.trustcor.ca/sub/ca2-site Maximum expiration time of OCSP responses: 4 days	Verified?	Verified	
Revocation Tested	NEED: Fix all errors listed here https://certificate.revocationcheck.com /catest2.trustcor.ca	Verified?	Need Response From CA	
Trust Bits	Email; Websites	Verified?	Verified	
SSL Validation Type	OV	Verified?	Verified	
EV Policy OID(s)	Not EV	Verified?	Not Applicable	
EV Tested		Verified?	Not Applicable	
Root Stores Included In	Microsoft	Verified?	Verified	
Mozilla Applied Constraints	None	Verified?	Verified	
Digital Fingerprint	nformation			
SHA-1 3E:E2:2A Fingerprint	:DC:26:7D:DE:0E:B0:23:17:45:F6:CF:9D:6E:AB:D3:3C:	19	Verified?	Verified
SHA-256 91:11:24:0 Fingerprint	07:47:E1:F6:52:F6:6D:1F:71:2A:11:F6:98:96:3B:49:17:0	2:E3:12:F7:5	1:3D:A3:D0:FC:1E:5A:28 Verified?	Verified
CA Hierarchy Inform	nation			
CA Hierarchy	This root issues internally-operated SubCAs which issues SSL and S/MIME	Verified?	Verified	

certificates.

under this root:

CA2-Site)

- Enhanced Secure Email CA

CPS section 1.3.1: The Enhanced Root Certificate (CA-2) - used as the root of trust for certificates issued under the Enhanced Assurance programme. Currently two subordinate CA are issued

(Subordinate CA2-Email) - Enhanced Secure Site CA (Subordinate

Externally Operated SubCAs	This root does not and will not have any subCAs that are operated by external third parties.	Verified?	Verified
Cross Signing	None. None planned	Verified?	Verified
Technical Constraint on 3rd party Issuer	No third parties can issue certificates signed by this root.	Verified?	Verified
	The Enterprise Root Certificate (ECA-1) is the only root allowed to issue externally-operated subCAs. CPS section 1.3.2: External RAs are not entitled to perform general domain or organizational validation; they are strictly limited to registration for credentials to domains and principals assigned to their specific organization.		
Verification Policies	s and Practices		
Policy Documentation	All documents are in English	Verified?	Verified
CA Document Repository	https://www.trustcorsystems.com /resources/	Verified?	Verified
CP Doc Language	English		
СР	https://www.trustcorsystems.com/static /webtrust/cp.pdf	Verified?	Verified
CP Doc Language	English		
CPS	https://www.trustcorsystems.com/static /webtrust/cps.pdf	Verified?	Verified
Other Relevant Documents		Verified?	Not Applicable
Auditor Name	Princeton Audit Group (PAG)	Verified?	Verified
Auditor Website	http://princetonauditgroup.com/	Verified?	Verified
Auditor Qualifications	http://www.webtrust.org/licensed- webtrust-practitions-international /item64419.aspx	Verified?	Verified
Standard Audit	https://cert.webtrust.org /SealFile?seal=1800&file=pdf	Verified?	Verified
Standard Audit Type	WebTrust	Verified?	Verified
Standard Audit Statement Date	12/31/2014	Verified?	Verified
BR Audit	NEED: BR audit as described here: https://wiki.mozilla.org /CA:BaselineRequirements	Verified?	Need Response From CA
BR Audit Type		Verified?	Need Response From CA
BR Audit Statement Date		Verified?	Need Response From CA
EV Audit		Verified?	Not Applicable
EV Audit Type		Verified?	Not Applicable
EV Audit Statement Date		Verified?	Not Applicable
BR Commitment to Comply	CPS section 1.1	Verified?	Verified

SSL Verification Procedures	CPS section 3.2.2.1: For Basic Secure Site certificates, any of the following methods may be used to establish authority to use the domain name requested: 1. Check that the relevant domain name registrar via WHOIS and validate that the name on the certificate matches that of the requestor. 2. Using the registrar supplied details, communicate with the registrant using email, telephone or postal mail to ensure that the request was genuine 3. Failing the above, send an email to the well known administrative email addresses for a domain, pruning such components from the FQDN until a registered domain is reached. The administrator", "hostmaster", "postmaster" and "webmaster"  For Enhanced Secure Site certificates, all of the FQDNs requested must be validated by the above process, although a single validation may cover multiple FQDNs if they share a domain. Note that this validation is necessary, but not sufficient for an Enhanced Secure Site certificate.	Verified?	Verified
EV SSL Verification Procedures	Not requesting EV treatment	Verified?	Not Applicable
Organization Verification Procedures	CPS sections 3.2.2, 3.2.3, and 3.2.5.	Verified?	Verified
Email Address Verification Procedures	CPS section 3.2.2.1: For Secure Email certificates, a challenge email is sent to the mailbox requested in registration. If the mailbox owner is capable of seeing and replying to the email, whether by clicking a link contained within the challenge or returning an acceptable reply via email to the challenge, the email identity is deemed validated. Challenge URIs and/or tokens are randomly generated per validation request and time out after a period not exceeding 7 days (although TrustCor CA may shorten that period at its discretion). If the request was for a Basic Secure Mail certificate, the validation process is complete, and the certificate can be issued, assuming that it would pass the normal checks for uniqueness, key strength and so on.	Verified?	Verified
Code Signing Subscriber Verification Pro	Mozilla is no longer enabling the Code Signing trust bit.	Verified?	Not Applicable
Multi-Factor Authentication	CPS section 5.2.3	Verified?	Verified
Network Security	CPS section 6.5 and 6.7	Verified?	Verified

Publicly Disclosed & NEED: The following link doesn't appear

Audited subCAs to be working. CPS section 2.1 The certificates which are used to sign TrustCor CA's end-entity certificates can be located under http://www.trustcor.ca /certs

Request Status       Need Information from CA       Case Number       00000074         dditional Root Case Information	oot Case Informat	ion		
Additional Root Case Information         Subject       Include TrustCor ECA-1         Fechnical Information       Include TrustCor ECA-1         Fechnical Information       TrustCor Systems S. de R.L.       Verified?         OU From Issuer Field       TrustCor Certificate Authority       Verified?         OU From Issuer Field       TrustCor Certificate Authority       Verified?         Ou From Issuer Field       TrustCor Certificate Authority       Verified?         Certificate Summary       There will be externally-operated subCAs       Verified?         Root Certificate Summary       There will be externally-operated subCAs       Verified?         Valid From       2014 Dec 03       Verified?       Verified?         Valid From       2014 Dec 03       Verified?       Verified?         Valid From       2014 Dec 03       Verified?       Verified?         Certificate Signature       SHA-256       Verified?       Verified?         Signing Key       2048       Verified?       Verified?         Signing Key       2048       Verified?       Verified?         Signing Key       2048       Verified?       Verified?         Certificate Signature       Signing Key       2048       Verified?       Verified?         S	Root Certificate Name	TrustCor ECA-1	Root Case No	R00000103
Perchnical Information about Root Certificate         O From Issuer Field       TrustCor Systems S. de R.L.       Verified?       Verified?         OU From Issuer Field       TrustCor Certificate Authority       Verified?       Verified?         Certificate Summary       There will be externally-operated subCAs chaining up to this root.       Verified?       Verified?         Root Certificate Download URL       https://www.trustcorsystems.com/certs       Verified?       Verified?         Valid From       2014 Dec 03       Verified?       Verified?         Valid To       2029 Dec 31       Verified?       Verified?         Certificate Version       3       Verified?       Verified?         Signing Key Signing Key       2048       Verified?       Verified?         Signing Key Signing Key       2048       Verified?       Verified?         Certificate Version       3       Verified?       Verified?         Revocation Tested       http://cr.trustcor.ca/       Verified?       Verified?         Maximum expiration time of OCSP responses: 4 days       Verified?       Verified?       Verified?         Revocation Tested       NEED: Fix all errors listed here http://creativersion_ca/uo/eca1-external Maximum expiration time of OCSP       Verified?       Verified?       Verified?         <	Request Status	Need Information from CA	Case Number	0000074
Perchnical Information about Root Certificate         O From Issuer Field       TrustCor Systems S. de R.L.       Verified?       Verified?         OU From Issuer Field       TrustCor Certificate Authority       Verified?       Verified?         Certificate Summary       There will be externally-operated subCAs chaining up to this root.       Verified?       Verified?         Root Certificate       https://www.trustcorsystems.com/certs       Verified?       Verified?         Valid From       2014 Dec 03       Verified?       Verified?         Valid To       2029 Dec 31       Verified?       Verified?         Certificate Version       3       Verified?       Verified?         Signing Key       2048       Verified?       Verified?         Signing Key       2048       Verified?       Verified?         Certificate Version       3       Verified?       Verified?         Signing Key       2048       Verified?       Verified?         Certificate Sugnature       http://cri.trustcor.ca/       Verified?       Verified?         Signing Key       0c48       Verified?       Verified?       Verified?         Certificate Version       http://cri.trustcor.ca/       Verified?       Verified?         Cock Verified?       http:/	Additional Root Cas	se Information		
OU From Issuer FieldTrustCor Certificate AuthorityVerified?Verified?Certificate SummaryThere will be externally-operated subCAsVerified?VerifiedRoot Certificatehttps://www.trustcorsystems.com/certsVerified?Verified?Valid From2014 Dec 03Verified?Verified?Valid Tro2029 Dec 31Verified?Verified?Certificate Version3Verified?Verified?Certificate Version3Verified?Verified?Certificate Signature AlgorithmSHA-256Verified?Verified?Signing Key2048Verified?Verified?Verified?Verified?Verified?Verified?Signing Keybitps://cetatest1.trustcor.ca/Verified?Verified?CRL URL(s)https://cit.trustcor.ca/coot/eca1.cri http://cit.trustcor.ca/sub/eca1-external.criVerified?Verified?OCSP URL(s)http://cosp.trustoor.ca/root/eca1Verified?Verified?Verified?Maximum expiration time of OCSP responses: 4 daysVerified?Verified?Need Response From CARevocation TestedNEED: Fix all errors listed here https://centificate revocationcheck.com /ceatest1.trustoor.caVerified?Verified?SL Validation TypeOVVerified?Verified?VerifiedVerifiedNot EVVerified?Verified?	Subject	Include TrustCor ECA-1		
OU From Issuer FieldTrustCor Certificate AuthorityVerified?Verified?OU From Issuer FieldTrustCor Certificate AuthorityVerified?Verified?Certificate SummaryThere will be externally-operated subCAsVerified?Verified?Root Certificatehttps://www.trustcorsystems.com/certsVerified?Verified?Valid From2014 Dec 03Verified?Verified?Valid To2029 Dec 31Verified?Verified?Valid To2029 Dec 31Verified?Verified?Certificate Version3Verified?Verified?Signing Key2048Verified?Verified?Signing Key2048Verified?Verified?Signing Keyhttps://ecatest1.trustcor.ca/Verified?Verified?Maximum expiration time of OCSPNetrified?Verified?Verified?OCSP URL(s)http://cit.trustcor.ca/sub/eca1-external.criVerified?Verified?Maximum expiration time of OCSPNetrified?Verified?Need Response From CARevocation TestedNEED: Fix all errors listed here https://certificate.revocationcheck.com /ceatest1.trustoor.caVerified?Verified?SL Validation TypeOVVerified?Verified?Verified?VerifiedNot EVVerified?Verified?	echnical Informati	on about Root Certificate		
Certificate Summary Certificate SummaryThere will be externally-operated subCAs chaining up to this root.Verified?Verified?Root Certificate Download URLhttps://www.trustcorsystems.com/certs 	O From Issuer Field	TrustCor Systems S. de R.L.	Verified?	Verified
chaining up to this root.Verified?Verified?Root Certificate Download URLhttps://www.trustcorsystems.com/certs TrustCor_ECA1.pemVerified?Verified?Valid From2014 Dec 03Verified?Verified?Verified?Valid Tro2029 Dec 31Verified?Verified?Verified?Certificate Version3Verified?Verified?Verified?Certificate Version3Verified?Verified?Verified?Certificate Signature AlgorithmSHA-256Verified?Verified?Verified?Signing Key Parameters2048Verified?Verified?Verified?Signing Key (SSL) or Example Certhttps://col.trustcor.ca/Verified?Verified?Verified?CRL URL(s)http://col.trustcor.ca/Verified?Verified?Verified?Verified?CRL URL(s)http://col.trustcor.ca/ioot/eca1.crl http://col.trustcor.ca/ioot/eca1.external.crlVerified?Verified?Maximum expiration time of OCSP responses: 4 daysVerified?Verified?Ned Response From CARevocation TestedNEED: Fix all errors listed here https://col.trustcor.ca/Verified?Verified?Verified?NEED: Fix all errors listed here responses: 4 daysVerified?Verified?Verified?Verified?SSL Validation TypeO/Verified?Verified?Verified?Verified?Verified?VerifiedEnail; WebsitesMeximum expiration time of OCSPVerified?Verified?Verified?Ver	OU From Issuer Field	TrustCor Certificate Authority	Verified?	Verified
Download URL/TrustCor_ECA1.pemValid From2014 Dec 03Verified?Verified?Valid To2029 Dec 31Verified?Verified?Certificate Version3Verified?Verified?Certificate Signature AlgorithmSHA-256Verified?Verified?Signing Key Parameters2048Verified?Verified?Test Website URL (SSL) or Example Certhttp://cd.trustcor.ca/Verified?Verified?CRL URL(s)http://cd.trustcor.ca/Verified?Verified?Mittp://cd.trustcor.ca/Verified?Verified?Verified?CSP URL(s)http://cd.trustcor.ca/root/eca1.cri http://cd.trustcor.ca/noot/eca1-external.criVerified?Verified?Maximum expiration time of OCSP responses: 4 daysVerified?Verified?Verified?Revocation TestedNEED: Fix all errors listed here m/tcs:/icatificate.revocationcheck.com /ccatest1.trustcor.caVerified?Verified?SSL Validation TypeOVVerified?Verified?Verified?EV Policy OID(s)Not EVVerified?Verified?Not Applicable	Certificate Summary	• •	Verified?	Verified
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(SSL) or Example CertInterview ReferenceCRL URL(s) <a href="http://crl.trustcor.ca/">http://crl.trustcor.ca/</a> // Verified?OCSP URL(s) <a href="http://crl.trustcor.ca/sub/eca1-external.crl">http://crl.trustcor.ca/sub/eca1-external.crl</a> Verified? <a href="http://crl.trustcor.ca/sub/eca1-external.crl">Verified?</a> NEED: Fix all errors listed here https://certificate.revocationcheck.com /ecatest1.trustcor.caVerified?Need Response From CA <a href="https://certificate.revocationcheck.com/">Verified?</a> Verified? <a href="https://certificate.revocationcheck.com/">Verified?</a> SSL Validation Type <a href="https://certificate.revocationcheck.com/">Verified?</a> Verified?		2048	Verified?	Verified
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http://ocsp.trustcor.ca/sub/eca1_external         Maximum expiration time of OCSP         responses: 4 days         Revocation Tested       NEED: Fix all errors listed here         https://certificate.revocationcheck.com       Verified?         Verified       Verified?         Trust Bits       Email; Websites         Verified?       Verified?         Verified?       Verified?         Verified?       Verified?         Verified?       Verified?	CRL URL(s)	http://crl.trustcor.ca/root/eca1.crl	Verified?	Verified
https://certificate.revocationcheck.com       Verified?       Verified?         Trust Bits       Email; Websites       Verified?       Verified?         SSL Validation Type       OV       Verified?       Verified?         EV Policy OID(s)       Not EV       Verified?       Not Applicable	OCSP URL(s)	http://ocsp.trustcor.ca/sub/eca1-external Maximum expiration time of OCSP	Verified?	Verified
SSL Validation Type     OV     Verified?     Verified       EV Policy OID(s)     Not EV     Verified?     Not Applicable	Revocation Tested	https://certificate.revocationcheck.com	Verified?	Need Response From CA
EV Policy OID(s) Not EV Verified? Not Applicable	Trust Bits	Email; Websites	Verified?	Verified
	SSL Validation Type	OV	Verified?	Verified
EV Tested Verified? Not Applicable	EV Policy OID(s)	Not EV	Verified?	Not Applicable
	EV Tested		Verified?	Not Applicable

Verified? Verified

### **Digital Fingerprint Information**

SHA-1 Fingerprint

-1 BE:1A:F2:85:F7:86:CD:DB:C4:30:38:2E:EF:F2:A6:6D:FB:CD:5D:D0 nt Verified? Verified

SHA-256 74:4B:11:47:B4:A9:A6:9C:32:78:5E:9E:37:C3:32:32:41:EF:29:F6:3E:76:F1:60:3D:67:61:A7:83:D8:A0:FE Verified? Verified Fingerprint

#### **CA Hierarchy Information**

CA Hierarchy	CPS section 1.3.1: The Enterprise Root Certificate (ECA-1) - used as the ultimate root for enterprise PKIs issuing credentials to their principals in restricted namespaces. There is one subordinate CA under this root: - Enterprise External PKI CA (Subordinate ECA1-External) TrustCor CA undertakes to ensure that all operations conducted using these certificates, including registration of entities, validation of same, issuance and revocation of certificates are performed in accordance with the strictures of this document, the governing CP. Note that Enterprise Subordinate CA certificates are still TrustCor CA certificates, and TrustCor CA is responsible for their issuance, insofar as the enterprise subscriber agreements is obeyed. TrustCor CA is responsible for revoking an enterprise subordinate CA should it discover substantive violations of its enterprise agreements.	Verified?	Verified
Externally Operated SubCAs	There will be subCAs that are operated by external third parties in this CA hierarchy. CPS section 1.3.2: External RAs are present where external Enterprise CAs have been licensed to issue name restricted TrustCor CA certificates; such RAs must adhere to the terms of registration, validation and publication as noted in this document as well as the Enterprise Subscriber Agreement between TrustCor CA and the subscribing organization. External RAs are not entitled to perform general domain or organizational validation; they are strictly limited to registration for credentials to domains and principals assigned to their specific organization. CPS section 4.2: For Enterprise Subordinate CAs, the processing is done by the RA belonging to the enterprise subscriber, and issuance is done under the technically restricted CA software under the enterprise subscriber's control.	Verified?	Verified
Cross Signing	NEED: Has this root or its subCA cross- signed with any other roots or subCAs	Verified?	Need Response From CA

	owned by other CAs?		
	CPS section 3.2.6: TrustCor CA may cross-certify other CA certificates, subject to a specific agreement between TrustCor CA and another party. The cross-signed certificates will be made available under the same terms as TrustCor CA's own CA certificates on the repository specified in Section 2.1.		
Technical Constraint on 3rd party Issuer	CPS section 7.1.2.2: For Enterprise Subordinate CAs, there will also be a NameConstraints extension, which represents the following information: - permittedSubtree: dNSName: (repeated for each domain owned by the subscriber's enterprise) dirName: C=, ST=, L=, O= - excludedSubTree: IP: 0.0.0/0.0.0.0 IP: 0:0:0:0:0:0:0:0:0:0:0:0:0	Verified? Verified	d

#### **Verification Policies and Practices**

Policy Documentation	All documents are in English	Verified?	Verified
CA Document Repository	https://www.trustcorsystems.com /resources/	Verified?	Verified
CP Doc Language	English		
СР	https://www.trustcorsystems.com/static /webtrust/cp.pdf	Verified?	Verified
CP Doc Language	English		
CPS	https://www.trustcorsystems.com/static /webtrust/cps.pdf	Verified?	Verified
Other Relevant Documents		Verified?	Not Applicable
Auditor Name	Princeton Audit Group (PAG)	Verified?	Verified
Auditor Website	http://princetonauditgroup.com/	Verified?	Verified
Auditor Qualifications	http://www.webtrust.org/licensed- webtrust-practitions-international /item64419.aspx	Verified?	Verified
Standard Audit	https://cert.webtrust.org /SealFile?seal=1800&file=pdf	Verified?	Verified
Standard Audit Type	WebTrust	Verified?	Verified
Standard Audit Statement Date	12/31/2014	Verified?	Verified
BR Audit	NEED: BR audit as described here: https://wiki.mozilla.org /CA:BaselineRequirements	Verified?	Need Response From CA
BR Audit Type		Verified?	Need Response From CA
BR Audit Statement Date		Verified?	Need Response From CA
EV Audit		Verified?	Not Applicable
EV Audit Type		Verified?	Not Applicable
EV Audit Statement Date		Verified?	Not Applicable

BR Commitment to Comply	CPS section 1.1 CPS section 4.9.1.2, Reasons for Revoking a Subordinate CA: An Enterprise Subordinate CA cannot maintain its operations consistent with behavior required in the Baseline Requirements.	Verified?	Verified
SSL Verification Procedures	CPS section 4.2: For Enterprise Subordinate CAs, the processing is done by the RA belonging to the enterprise subscriber, and issuance is done under the technically restricted CA software under the enterprise subscriber's control.	Verified?	Verified
	Enterprise subordinate CAs are technically constrained via Name Constraints as described in CPS section 7.1.2.2.		
EV SSL Verification Procedures	Not requesting EV treatment	Verified?	Not Applicable
Organization Verification Procedures	CPS section 3.3.1: Enterprise Subordinate CAs may only be re-keyed via a manual process involving reassessment of the original documents and policies that the subscriber has submitted to TrustCor CA.	Verified?	Verified
	CPS section 4.1.1: Application for Enterprise Subordinate CA certificates may be initiated via email, but the process of registration and validation then requires postal/courier communications, as well as possible site visit scrutiny from TrustCor CA.		
Email Address Verification Procedures	Enterprise subordinate CAs are technically constrained via Name Constraints as described in CPS section 7.1.2.2.	Verified?	Verified
Code Signing Subscriber Verification Pro	Mozilla is no longer enabling the Code Signing trust bit.	Verified?	Not Applicable
Multi-Factor Authentication	CPS section 5.2.3	Verified?	Verified
Network Security	CPS section 6.5 and 6.7	Verified?	Verified
ink to Publicly Dis	closed and Audited subordinate CA Cer	tificates	
Publicly Disclosed & Audited subCAs	NEED URL to publicly disclosed subordinate CA certificates that chain up to certificates in Mozilla's CA program, as per Items #8, 9, and 10 of Mozilla's CA Certificate Inclusion Policy.	Verified?	Need Response From CA