## Mozilla - CA Program

Case Inform	ation			
Case	Number	00000051	Case Record Type	CA Owner/Root Inclusion Request
CA Owner/C	ertificate Name	Symantec	Request Status	Ready for Public Discussion

#### **Additional Case Information**

Subject Add Symantec-brand Class 1 and Class 2

acta

roots

Case Reason

#### **Bugzilla Information**

Link to Bugzilla Bug

https://bugzilla.mozilla.org/show\_bug.cgi?id=833986

#### General information about CA's associated organization

CA Email Alias 1	dl-eng-root-certificate- management@symantec.com		
CA Email Alias 2			
Company Website	http://www.symantec.com/	Verified?	Verified
Organizational Type	Public Corporation	Verified?	Verified
Organizational Type (Others)		Verified?	Not Applicable
Geographic Focus	USA, Global	Verified?	Verified
Primary Market / Customer Base	Symantec is a major commercial CA with worldwide operations and customer base.	Verified?	Verified
Impact to Mozilla Users	Firefox users may encounter SSL certs that chain up to Symantec roots, and Thunderbird users may encounter S/MIME certificates that chain up to Symantec roots.	Verified?	Verified

#### Response to Mozilla's list of Recommended Practices

Recommended Practices https://wiki.mozilla.org

Recommended actices Statement

Verified?

Verified

I have reviewed Mozilla's list of Recommended Practices, and confirm that we follow those practices, with exceptions and clarifications noted in the text box below.

CA's Response to Recommended Practices

- 1) Publicly Available CP and CPS: Yes
- 2) CA Hierarchy: Yes
- 3) Audit Criteria: Yes
- 4) Document Handling of IDNs in CP/CPS: No
- 5) Revocation of Compromised Certificates: Yes (CPS section 4.9)
- 6) Verifying Domain Name Ownership: CPS section 3.2.2.3
- 7) Verifying Email Address Control: CPS session 3.2.3
- 8) Verifying Identity of Code Signing Certificate Subscriber:

Not applicable. Mozilla is no longer enabling the Code Signing trust bit for root certificates. 9) DNS names go in SAN: No 10) Domain owned by a Natural Person: Sometimes referred

to as the "owner" of a Domain Name, but more properly the person(s) or entity(ies) registered with a Domain Name Registrar as having the right to control how a Domain Name is used, such as the natural person or Legal Entity 11) OCSP: Confirm OCSP responds according to expected

12) Network Security Controls: CPS section 6.7

#### Response to Mozilla's list of Potentially Problematic Practices

Potentially https://wiki.mozilla.org Problematic **Practices** 

/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.

CA's Response to **Problematic Practices**  \* Delegation of Domain / Email validation to third parties - CPS section 3.2.3: Third parties, who enter into a contractual relationship with Symantec, may operate their own RA and authorize the issuance of certificates by a STN CA. Third party RAs must abide by all the requirements of the STN CP, the STN CPS and the terms of their enterprise services agreement with Symantec. RAs may, however implement more restrictive practices based on their internal requirements.

- \* Allowing external entities to operate subordinate CAs -- CPS section 1.3.1: Symantec enterprise customers may operate their own CAs as subordinate CAs to a public STN PCA. Such a customer enters into a contractual relationship with Symantec to abide by all the requirements of the STN CP and the STN CPS. These subordinate CAs may, however implement a more restrictive practices based on their internal requirements.
- \* Certificates referencing hostnames or private IP addresses --Symantec fully complies with the CAB Forum Baseline Requirements concerning certificates with non-FQDN or private IP addresses.
- \* Issuing SSL Certificates for Internal Domains -- Symantec's Authentication Team is aware that .int is a valid TLD. Symantec has issued certificates to .int, and we have verified that the subscriber owns the domain name. Symantec correctly identifies internal and external domain names and verifies that subscribers own/control the domain name to be included in their certificate.

Verified? Verified

## Root Case Record # 1

#### **Root Case Information**

Request Status

**Root Certificate Name Root Case No** Symantec Class 1 Public Primary R00000067 Certification Authority - G6

> Case Number 00000051 Ready for Public Discussion

**Additional Root Case Information** 

Subject Add Symantec Class 1 Public Primary

Certification Authority - G6 root cert

O From Issuer Field	Symantec Corporation	Verified?	Verified	
OU From Issuer Field	Symantec Trust Network	Verified?	Verified	
Certificate Summary	This SHA2 root will eventually replace the VeriSign Class 1 Root.	Verified?	Verified	
Root Certificate Download URI		Verified?	Verified	
Valid From	2011 Oct 18	Verified?	Verified	
Valid To	2037 Dec 01	Verified?	Verified	
Certificate Version	3	Verified?	Verified	
Certificate Signature Algorithm		Verified?	Verified	
Signing Key Parameters		Verified?	Verified	
Test Website URL (SSL) or Example Cer	mapon recite con recine y mena a recina	Verified?	Verified	
CRL URL(s	http://crl.ws.symantec.com/pca1-g6.crl	Verified?	Verified	
OCSP URL(s	None	Verified?	Verified	
Trust Bits	Email	Verified?	Verified	
SSL Validation Type		Verified?	Not Applicable	
EV Policy OID(s		Verified?	Not Applicable	
Root Stores Included In		Verified?	Verified	
Mozilla Applied Constraints		Verified?	Verified	
Test Results (Whe	n Requesting the SSL/TLS Trust Bit)			
Test Results (Whe		Verified?	Not Applicable	
		Verified? Verified?	Not Applicable Not Applicable	
Revocation Tested				
Revocation Tested CA/Browser Forum Lint Tes		Verified?	Not Applicable	
Revocation Tested CA/Browser Forum Lint Tes Test Website Lint Tes		Verified?	Not Applicable  Not Applicable	
Revocation Tested CA/Browser Forum Lint Tes Test Website Lint Tes EV Tested Digital Fingerprint		Verified?  Verified?  Verified?	Not Applicable  Not Applicable	Verific
Revocation Tested CA/Browser Forum Lint Tes Test Website Lint Tes EV Tested Digital Fingerprint SHA-1 51:7F:6	Information	Verified? Verified? Verified?	Not Applicable  Not Applicable  Not Applicable  Verified?	Verifi Verifi
Revocation Tested CA/Browser Forum Lint Tes Test Website Lint Tes EV Tested Digital Fingerprint SHA-1 51:7F:6 Fingerprint SHA-256 9D:19:0	Information  1:1E:29:91:6B:53:82:FB:72:E7:44:D9:8D:C3:CC  B:2E:31:45:66:68:5B:E8:A8:89:E2:7A:A8:C7:D	Verified? Verified? Verified?	Not Applicable  Not Applicable  Not Applicable  Verified?	
Revocation Tested CA/Browser Forum Lint Tes Test Website Lint Tes EV Tested Digital Fingerprint SHA-1 51:7F:6 Fingerprint SHA-256 9D:19:0 Fingerprint	Information  1:1E:29:91:6B:53:82:FB:72:E7:44:D9:8D:C3:CC  B:2E:31:45:66:68:5B:E8:A8:89:E2:7A:A8:C7:D	Verified? Verified? Verified?  Verified?  C:53:6D:64  7:AE:1D:8A:AD:DB:A3:C1  for Verified?	Not Applicable  Not Applicable  Not Applicable  Verified?	

Cross Signing	None	Verified?	Verified
Technical Constraint on 3rd party Issuer	Only the email trust bit will be set for this root.  See item #4 of <a href="https://wiki.mozilla.org">https://wiki.mozilla.org</a> /CA:CertificatePolicyV2.1#Frequently Asked Questions	Verified?	Verified

Policy Documentation	The CPS is a single document that defines the policies for all 4 classes of Certs.	Verified?	Verified
CA Document Repository	https://www.symantec.com/about/profile /policies/repository.jsp	Verified?	Verified
CP Doc Language	English		
СР	https://www.symantec.com/content/en/us /about/media/repository/stn-cp.pdf	Verified?	Verified
CP Doc Language	English		
CPS	https://www.symantec.com/content/en/us /about/media/repository/stn-cps.pdf	Verified?	Verified
Other Relevant Documents		Verified?	Not Applicable
Auditor Name	KPMG	Verified?	Verified
Auditor Website	http://www.us.kpmg.com	Verified?	Verified
Auditor Qualifications	http://www.webtrust.org/licensed-webtrust- practitioners-international/item64419.aspx	Verified?	Verified
Standard Audit	https://www.symantec.com/content/en/us/about/media/repository/1 symantec stn wtca 6-15-2016.pdf	Verified?	Verified
Standard Audit Type	WebTrust	Verified?	Verified
Standard Audit Statement Date	5/13/2016	Verified?	Verified
BR Audit		Verified?	Not Applicable
BR Audit Type		Verified?	Not Applicable
BR Audit Statement Date		Verified?	Not Applicable
EV Audit		Verified?	Not Applicable
EV Audit Type		Verified?	Not Applicable
EV Audit Statement Date		Verified?	Not Applicable
BR Commitment to Comply		Verified?	Not Applicable
SSL Verification Procedures	Not requesting the websites trust bit for this root.	Verified?	Not Applicable
EV SSL Verification Procedures	Not EV	Verified?	Not Applicable
Organization /erification Procedures	CP and CPS section 3.2.2: Where a domain name or e-mail address is included in the certificate Symantec or an Affiliate authenticates the Organization's right to use that domain name either as a fully qualified Domain name or an e-mail domain.	Verified?	Verified

	identity authentication. Limited confirmation that the certificate subscriber has access to the email address.		
Email Address Verification Procedures	CP and CPS section 3.2.3: Class 1 - Symantec performs a challenge- response type of procedure in which Symantec sends email to the email address to be included in the certificate, containing unpredictable information such as a randomly generated PIN/Password unique to the owner of the email address. The owner of the email address (the subscriber of the certificate) demonstrates control over the email address by using the information within the email, to then proceed with accessing a portal with the unique information sent in the email, to download and install the certificate.	Verified?	Verified
Code Signing Subscriber Verification Pro	Not requesting the code signing trust bit for this root.	Verified?	Not Applicable
Multi-Factor Authentication	STN-CPS section 5.2	Verified?	Verified
Network Security	STN-CPS section 6.7	Verified?	Verified

#### Link to Publicly Disclosed and Audited subordinate CA Certificates

Publicly Disclosed & Audited subCAs

Only the email trust bit will be set for this root. See item

#4 of https://wiki.mozilla.org

/CA:CertificatePolicyV2.1#Frequently\_Asked\_Questions

Verified? Not Applicable

## **Root Case Record #2**

#### **Root Case Information**

Root Certificate Name Symantec Class 2 Public Primary Root Case No R00000068

Certification Authority - G6

Request Status Ready for Public Discussion Case Number 00000051

#### **Additional Root Case Information**

Subject Add Symantec Class 2 Public Primary

Certification Authority - G6 root cert

### **Technical Information about Root Certificate**

O From Issuer Field	Symantec Corporation	Verified?	Verified	
OU From Issuer Field	Symantec Trust Network	Verified?	Verified	
Certificate Summary	This SHA2 root will eventually replace the VeriSign Class 2 Root.	Verified?	Verified	
Root Certificate Download URL	https://www.symantec.com/content/en/us/enterprise/verisign/roots/PCA_2_G6.pem	Verified?	Verified	
Valid From	2011 Oct 18	Verified?	Verified	
Valid To	2037 Dec 01	Verified?	Verified	

Certificate Version	3	Verified?	Verified
Certificate Signature Algorithm	SHA-256	Verified?	Verified
Signing Key Parameters	2048	Verified?	Verified
Test Website URL (SSL) or Example Cert	https://ssltest37.ssl.symclab.com/	Verified?	Verified
CRL URL(s)	http://crl.ws.symantec.com/pca2-g6.crl	Verified?	Verified
OCSP URL(s)	None	Verified?	Verified
Trust Bits	Email	Verified?	Verified
SSL Validation Type		Verified?	Not Applicable
EV Policy OID(s)		Verified?	Not Applicable
Root Stores Included In	Apple; Microsoft	Verified?	Verified
Mozilla Applied Constraints	None	Verified?	Verified

Test Results (When Requesting the SSL/TLS Trust Bit)	
Revocation Tested	Verified? Not Applicable
CA/Browser Forum Lint Test	Verified? Not Applicable
Test Website Lint Test	Verified? Not Applicable
EV Tested	Verified? Not Applicable

#### **Digital Fingerprint Information**

 SHA-1 Fingerprint
 40:B3:31:A0:E9:BF:E8:55:BC:39:93:CA:70:4F:4E:C2:51:D4:1D:8F
 Verified?
 Verified?
 Verified

 SHA-256 Fingerprint
 CB:62:7D:18:B5:8A:D5:6D:DE:33:1A:30:45:6B:C6:5C:60:1A:4E:9B:18:DE:DC:EA:08:E7:DA:AA:07:81:5F:F0
 Verified?
 Verified?
 Verified?

#### **CA Hierarchy Information** Verified? Verified **CA Hierarchy** This root will be used to sign Class 2 SubCAs for SMIME and Client Auth purposes. SubCA keys will operate at Symantec or Symantec Affiliate sites. **Externally Operated** Verified? There may be externally operated SubCAs chain to this Verified SubCAs Root. The externally operated CAs will be run by Symantec Affiliates. **Cross Signing** Verified? None Verified **Technical Constraint** Verified? Only the email trust bit will be set for this root. Verified on 3rd party Issuer See item #4 of https://wiki.mozilla.org /CA:CertificatePolicyV2.1#Frequently Asked Questions

Verification Policies and Practices					
Policy Documentation	The CPS is a single document that defines the policies for all 4 classes of Certs.	Verified?	Verified		

CA Document Repository	https://www.symantec.com/about/profile/policies/repository.jsp	Verified?	Verified
CP Doc Language	English		
СР	https://www.symantec.com/content/en/us /about/media/repository/stn-cp.pdf	Verified?	Verified
CP Doc Language	English		
CPS	https://www.symantec.com/content/en/us/about/media/repository/stn-cps.pdf	Verified?	Verified
Other Relevant Documents		Verified?	Not Applicable
Auditor Name	KPMG	Verified?	Verified
Auditor Website	http://www.us.kpmg.com	Verified?	Verified
Auditor Qualifications	http://www.webtrust.org/licensed-webtrust- practitioners-international/item64419.aspx	Verified?	Verified
Standard Audit	https://www.symantec.com/content/en/us/about/media/repository/1_symantec_stn_wtca_6-15-2016.pdf	Verified?	Verified
Standard Audit Type	WebTrust	Verified?	Verified
Standard Audit Statement Date	5/13/2016	Verified?	Verified
BR Audit		Verified?	Not Applicable
BR Audit Type		Verified?	Not Applicable
BR Audit Statement Date		Verified?	Not Applicable
EV Audit		Verified?	Not Applicable
EV Audit Type		Verified?	Not Applicable
EV Audit Statement Date		Verified?	Not Applicable
BR Commitment to Comply		Verified?	Not Applicable
SSL Verification Procedures	Not requesting the websites trust bit for this root.	Verified?	Not Applicable
EV SSL Verification Procedures	Not EV	Verified?	Not Applicable
Organization Verification Procedures	CP and CPS section 3.2.2, 3.2.3, and 3.2.5	Verified?	Verified
Email Address Verification Procedures	CPS section 3.2.3: Class 2 - Authenticate identity by: - Manual check performed by the enterprise administrator customer for each subscriber requesting a certificate, "in which the subscriber receives the certificate via an email sent to the address provided during enrollment" or - Passcode-based authentication where a randomly-generated passcode is delivered out-of-band by the enterprise administrator customer to the subscriber entitled to enroll for the certificate, and the subscriber provides this passcode at enrollment time or - Comparing information provided by the subscriber to information contained in business records or databases (customer directories such as Active Directory or LDAP.	Verified?	Verified

Code Signing Subscriber Verification Pro	Not requesting the code signing trust bit for this root.	Verified?	Not Applicable
Multi-Factor Authentication	STN-CPS section 5.2	Verified?	Verified
Network Security	STN-CPS section 6.7	Verified?	Verified

#### Link to Publicly Disclosed and Audited subordinate CA Certificates

Publicly Disclosed & Audited subCAs

Only the email trust bit will be set for this root. See item

#4 of https://wiki.mozilla.org

/CA:CertificatePolicyV2.1#Frequently\_Asked\_Questions

Verified? Not Applicable

## **Root Case Record #3**

#### **Root Case Information**

Root Certificate Name Symantec Class 1 Public Primary

Root Case No R00000108

Certification Authority - G4

Request Status Ready for Public Discussion

Case Number 00000051

#### **Additional Root Case Information**

Subject

Add Symantec Class 1 Public Primary Certification Authority - G4 cert

echnical Inform	nation about Root Certificate		
O From Issuer Field	Symantec Corporation	Verified?	Verified
OU From Issuer Field	Symantec Trust Network	Verified?	Verified
Certificate Summary	This is the ECC version of the SHA2 Symantec Class 1 root.	Verified?	Verified
Root Certificate Download URL	https://www.symantec.com/content/en/us/enterprise/verisign/roots/Symantec_Class_1_Public_Primary_Certification_Authority_G4.pem	Verified?	Verified
Valid From	2011 Oct 05	Verified?	Verified
Valid To	2038 Jan 18	Verified?	Verified
Certificate Version	3	Verified?	Verified
Certificate Signature Algorithm	ECC	Verified?	Verified
Signing Key Parameters	ECC P-384	Verified?	Verified
Test Website URL (SSL) or Example Cert	https://ssltest37.ssl.symclab.com/	Verified?	Verified
CRL URL(s)	http://crl.ws.symantec.com/pca1-g4.crl	Verified?	Verified
OCSP URL(s)	None yet.	Verified?	Verified
Trust Bits	Email	Verified?	Verified
SSL Validation Type		Verified?	Not Applicable

EV Policy OID(s)		Verified?	Not Applicable	
Root Stores Included In	Apple; Microsoft	Verified?	Verified	
Mozilla Applied Constraints	None	Verified?	Verified	

Test Results (When Requesting the SSL/TLS Tru	st Bit)
Revocation Tested	Verified? Not Applicable
CA/Browser Forum Lint Test	Verified? Not Applicable
Test Website Lint Test	Verified? Not Applicable
EV Tested	Verified? Not Applicable

Digital Fin	gerprint Information	
SHA-1 Fingerprint	84:F2:E3:DD:83:13:3E:A9:1D:19:52:7F:02:D7:29:BF:C1:5F:E6:67	/erified
SHA-256 Fingerprint	36:3F:3C:84:9E:AB:03:B0:A2:A0:F6:36:D7:B8:6D:04:D3:AC:7F:CF:E2:6A:0A:91:21:AB:97:95:F6:E1:76:DF Verified? \	/erified

CA Hierarchy Info	rmation		
CA Hierarchy	This root will be used to sign Class 1 SubCAs for SMIME and Client Auth purposes. SubCA keys will operate at Symantec or Symantec Affiliate sites.	Verified?	Verified
Externally Operated SubCAs	Yes, there may be externally operated SubCAs chaining to this Root. The externally operated CAs will be run by Symantec Affiliates.	Verified?	Verified
Cross Signing	None	Verified?	Verified
Technical Constraint on 3rd party Issuer	Only the email trust bit will be set for this root.  See item #4 of <a href="https://wiki.mozilla.org">https://wiki.mozilla.org</a> /CA:CertificatePolicyV2.1#Frequently Asked Questions	Verified?	Verified

erification Policies	and Practices		
Policy Documentation	The CPS is a single document that defines the policies for all 4 classes of Certs.	Verified?	Verified
CA Document Repository	https://www.symantec.com/about/profile/policies/repository.jsp	Verified?	Verified
CP Doc Language	English		
СР	https://www.symantec.com/content/en/us /about/media/repository/stn-cp.pdf	Verified?	Verified
CP Doc Language	English		
CPS	https://www.symantec.com/content/en/us /about/media/repository/stn-cps.pdf	Verified?	Verified
Other Relevant Documents		Verified?	Not Applicable
Auditor Name	KPMG	Verified?	Verified
Auditor Website	http://www.us.kpmg.com	Verified?	Verified

Auditor Qualifications	http://www.webtrust.org/licensed-webtrust- practitioners-international/item64419.aspx	Verified?	Verified
Standard Audit	https://www.symantec.com/content/en/us/about/media/repository/1_symantec_stn_wtca_6-15-2016.pdf	Verified?	Verified
Standard Audit Type	WebTrust	Verified?	Verified
Standard Audit Statement Date	5/13/2016	Verified?	Verified
BR Audit		Verified?	Not Applicable
BR Audit Type		Verified?	Not Applicable
BR Audit Statement Date		Verified?	Not Applicable
EV Audit		Verified?	Not Applicable
EV Audit Type		Verified?	Not Applicable
EV Audit Statement Date		Verified?	Not Applicable
BR Commitment to Comply		Verified?	Not Applicable
SSL Verification Procedures	Not requesting the websites trust bit for this root.	Verified?	Not Applicable
EV SSL Verification Procedures	Not EV	Verified?	Not Applicable
Organization Verification Procedures	CP and CPS section 3.2.2: Where a domain name or e-mail address is included in the certificate Symantec or an Affiliate authenticates the Organization's right to use that domain name either as a fully qualified Domain name or an e-mail domain.  CP and CPS section 3.2.3: Class 1 No identity authentication.  Limited confirmation that the certificate subscriber has access to the email address.	Verified?	Verified
Email Address Verification Procedures	CP and CPS section 3.2.3: Class 1 - Symantec performs a challenge- response type of procedure in which Symantec sends email to the email address to be included in the certificate, containing unpredictable information such as a randomly generated PIN/Password unique to the owner of the email address. The owner of the email address (the subscriber of the certificate) demonstrates control over the email address by using the information within the email, to then proceed with accessing a portal with the unique information sent in the email, to download and install the certificate.	Verified?	Verified
Code Signing Subscriber Verification Pro	Not requesting the code signing trust bit for this root.	Verified?	Not Applicable
Multi-Factor	STN-CPS section 5.2	Verified?	Verified
Authentication			

### Link to Publicly Disclosed and Audited subordinate CA Certificates

## **Root Case Record #4**

#### **Root Case Information**

Root Certificate Name Symantec Class 2 Public Primary Root Case No R00000109
Certification Authority - G4

Request Status Ready for Public Discussion Case Number 00000051

#### **Additional Root Case Information**

Subject Add Symantec Class 2 Public Primary

Certification Authority - G4 root cert

# Technical Information about Root Certificate

O From Issuer Field	Symantec Corporation	Verified?	Verified
OU From Issuer Field	Symantec Trust Network	Verified?	Verified
Certificate Summary	This is the ECC version of the SHA2 Symantec Class 2 root certificate.	Verified?	Verified
Root Certificate Download URL	https://www.symantec.com/content/en/us/enterprise/verisign/roots/Symantec_Class_2_Public_Primary_Certification_Authority_G4.pem	Verified?	Verified
Valid From	2011 Oct 05	Verified?	Verified
Valid To	2038 Jan 18	Verified?	Verified
Certificate Version	3	Verified?	Verified
Certificate Signature Algorithm	ECC	Verified?	Verified
Signing Key Parameters	ECC P-384	Verified?	Verified
Test Website URL (SSL) or Example Cert	https://ssltest37.ssl.symclab.com/	Verified?	Verified
CRL URL(s)	http://crl.ws.symantec.com/pca2-g4.crl	Verified?	Verified
OCSP URL(s)	None	Verified?	Verified
Trust Bits	Email	Verified?	Verified
SSL Validation Type		Verified?	Not Applicable
EV Policy OID(s)		Verified?	Not Applicable
Root Stores Included In	Apple; Microsoft	Verified?	Verified
Mozilla Applied Constraints	None	Verified?	Verified

Test Results (When Requesting the SSL/TLS Trust Bit)

Revocation Tested	Verified?	Not Applicable
CA/Browser Forum Lint Test	Verified?	Not Applicable
Test Website Lint Test	Verified?	Not Applicable
EV Tested	Verified?	Not Applicable

## **Digital Fingerprint Information**

SHA-1 Fingerprint	67:24:90:2E:48:01:B0:22:96:40:10:46:B4:B1:67:2C:A9:75:FD:2B Verified?	Verified
SHA-256 Fingerprint	FE:86:3D:08:22:FE:7A:23:53:FA:48:4D:59:24:E8:75:65:6D:3D:C9:FB:58:77:1F:6F:61:6F:9D:57:1B:C5:92 Verified?	Verified

CA Hierarchy Info	rmation		
CA Hierarchy	This root will be used to sign Class 2 SubCAs for SMIME and Client Auth purposes. SubCA keys will operate at Symantec or Symantec Affiliate sites.	Verified?	Verified
Externally Operated SubCAs	There may be externally operated SubCAs chain to this Root. The externally operated CAs will be run by Symantec Affiliates.	Verified?	Verified
Cross Signing	None	Verified?	Verified
Technical Constraint on 3rd party Issuer	Only the email trust bit will be set for this root.  See item #4 of <a href="https://wiki.mozilla.org">https://wiki.mozilla.org</a> /CA:CertificatePolicyV2.1#Frequently Asked Questions	Verified?	Verified

Policy Documentation	The CPS is a single document that defines the policies for all 4 classes of Certs.	Verified?	Verified
CA Document Repository	https://www.symantec.com/about/profile/policies/repository.jsp	Verified?	Verified
CP Doc Language	English		
СР	https://www.symantec.com/content/en/us /about/media/repository/stn-cp.pdf	Verified?	Verified
CP Doc Language	English		
CPS	https://www.symantec.com/content/en/us /about/media/repository/stn-cps.pdf	Verified?	Verified
Other Relevant Documents		Verified?	Not Applicable
Auditor Name	KPMG	Verified?	Verified
Auditor Website	http://www.us.kpmg.com	Verified?	Verified
Auditor Qualifications	http://www.webtrust.org/licensed-webtrust- practitioners-international/item64419.aspx	Verified?	Verified
Standard Audit	https://www.symantec.com/content/en/us/about/media/repository/1 symantec stn wtca 6-15-2016.pdf	Verified?	Verified
Standard Audit Type	WebTrust	Verified?	Verified
Standard Audit Statement Date	5/13/2016	Verified?	Verified

BR Audit Statement Date  EV Audit  EV Audit Verified? Not Applicable  EV Audit Type  Verified? Not Applicable  EV Audit Type  Verified? Not Applicable  EV Audit Statement Date  BR Commitment to Comply  SSL Verification Procedures  EV SSL Verification Procedures  EV SSL Verification Procedures  CP and CPS section 3.2.2, 3.2.3, and 3.2.5  Email Address  Verified OPS section 3.2.3:  CPS	BR Audit		Verified?	Not Applicable
EV Audit Type  EV Audit Type  EV Audit Statement Date  BR Commitment to Comply  SSL Verification Procedures  EV SSL Verification Procedures  COP and CPS section 3.2.2, 3.2.3, and Verification Procedures  Email Address Verification Procedures  CPS section 3.2.3: Class 2 - Authenticate identity by: - Manual check performed by the enterprise administrator customer for each subscriber requesting a certificate, "in which the subscriber requesting a certificate, and the subscriber reprovides this passoode at enrollment time or - Comparing information provided by the subscriber reprovides this passoode at enrollment time or - Comparing information provided by the subscriber reprovides this passoode at enrollment time or - Comparing information provided by the subscriber information provided by the subscriber reprovides this passoode at enrollment time or - Comparing information provided by the subscriber for formation provided by the subscriber reprovides this passoode at enrollment time or - Comparing information provided by the subscriber to information contained in	BR Audit Type		Verified?	Not Applicable
EV Audit Type  EV Audit Statement Date  BR Commitment to Comply  SSL Verification Procedures  Not requesting the websites trust bit for this root.  Verified?  Not Applicable  Verified?  Verified?  Verified?  Verified?  Verified?  Verified  CP and CPS section 3.2.3, and 3.2.5  Email Address  Verification Procedures  CPs section 3.2.3: Class 2 - Authenticate identity by: - Manual check performed by the enterprise administrator customer for each subscriber requesting a certificate, 'in which the subscriber receives the certificate via an email sent to the address provided during enrollment' or - Passcode-based authentication where a randomly-generated passcode is delivered out-of-band by the enterprise administrator customer to the subscriber entitled to enroll for the certificate, and the subscriber provides this passcode at enrollment time or - Comparing information provided by the subscriber to information contained in			Verified?	Not Applicable
EV Audit Statement Date  BR Commitment to Comply  SSL Verification Procedures  Organization Verification Procedures  EV SSL Verification Procedures  CP and CPS section 3.2.2, 3.2.3, and Verified?  Email Address Verification Procedures  Verification Procedures  CPS section 3.2.3: Class 2 - Authenticate identity by: - Manual check performed by the enterprise administrator customer for each subscriber receives the certificate via an email sent to the address provided during enrollment" or - Passcode-based authentication where a randomly-generated passcode is delivered out-of-band by the enterprise administrator customer to the subscriber entitled to enroll for the certificate, and the subscriber provides this passcode at enrollment time or - Comparing information provided by the subscriber to information provided by the subscriber to information contained in	EV Audit		Verified?	Not Applicable
BR Commitment to Comply  SSL Verification Procedures  EV SSL Verification Procedures  Organization Verification Procedures  CP and CPS section 3.2.2, 3.2.3, and Verified? Verified  Organization Verification Procedures  CP and CPS section 3.2.3: Verification Procedures  CPS section 3.2.3: Verification Procedures  CPS section 3.2.3: Verified? Verified  Class 2 - Authenticate identity by:  - Manual check performed by the enterprise administrator customer for each subscriber requesting a certificate, "in which the subscriber receives the certificate via an email sent to the address provided during enrollment" or  - Passcode-based authentication where a randomly-generated passcode is delivered out-of-band by the enterprise administrator customer to the subscriber entitled to enroll for the certificate, and the subscriber provides this passcode at enrollment time or  - Comparing information provided by the subscriber to information contained in	EV Audit Type		Verified?	Not Applicable
SSL Verification Procedures  EV SSL Verification Procedures  Organization Verification Procedures  CP and CPS section 3.2.2, 3.2.3, and 3.2.5  Email Address Verification Procedures  CPS section 3.2.3: Class 2 - Authenticate identity by: - Manual check performed by the enterprise administrator customer for each subscriber requesting a certificate, "in which the subscriber receives the certificate via an email sent to the address provided during enrollment" or - Passcode-based authentication where a randomly-generated passcode is delivered out-of-band by the enterprise administrator customer to the subscriber entitled to enroll for the certificate, and the subscriber renovides this passcode at enrollment time or - Comparing information provided by the subscriber to information contained in			Verified?	Not Applicable
Procedures this root.  EV SSL Verification Procedures  Organization Verification Procedures  Email Address Verification Procedures  Verification Procedures  CPS section 3.2.3: Class 2 - Authenticate identity by: - Manual check performed by the enterprise administrator customer for each subscriber requesting a certificate, "in which the subscriber receives the certificate via an email sent to the address provided during enrollment" or - Passcode-based authentication where a randomly-generated passcode is delivered out-of-band by the enterprise administrator customer to the subscriber entitled to enroll for the certificate, and the subscriber provides this passcode at enrollment time or - Comparing information provided by the subscriber to information contained in			Verified?	Not Applicable
Organization Verification Procedures  CP and CPS section 3.2.2, 3.2.3, and Verified?  Email Address Verification Procedures  CPS section 3.2.3: Class 2 - Authenticate identity by: - Manual check performed by the enterprise administrator customer for each subscriber requesting a certificate, "in which the subscriber receives the certificate via an email sent to the address provided during enrollment" or - Passcode-based authentication where a randomly-generated passcode is delivered out-of-band by the enterprise administrator customer to the subscriber entitled to enroll for the certificate, and the subscriber provides this passcode at enrollment time or - Comparing information provided by the subscriber to information contained in		· •	Verified?	Not Applicable
Email Address Verification Procedures  CPS section 3.2.3: Verification Procedures  CPS section 3.2.3:  Class 2 - Authenticate identity by: - Manual check performed by the enterprise administrator customer for each subscriber requesting a certificate, "in which the subscriber receives the certificate via an email sent to the address provided during enrollment" or - Passcode-based authentication where a randomly-generated passcode is delivered out-of-band by the enterprise administrator customer to the subscriber entitled to enroll for the certificate, and the subscriber provides this passcode at enrollment time or - Comparing information provided by the subscriber to information contained in		Not EV	Verified?	Not Applicable
Verification Procedures  Class 2 - Authenticate identity by: - Manual check performed by the enterprise administrator customer for each subscriber requesting a certificate, "in which the subscriber receives the certificate via an email sent to the address provided during enrollment" or - Passcode-based authentication where a randomly-generated passcode is delivered out-of-band by the enterprise administrator customer to the subscriber entitled to enroll for the certificate, and the subscriber provides this passcode at enrollment time or - Comparing information provided by the subscriber to information contained in		· · · · · · · · · · · · · · · · · · ·	Verified?	Verified
directories such as Active Directory or LDAP.		Class 2 - Authenticate identity by: - Manual check performed by the enterprise administrator customer for each subscriber requesting a certificate, "in which the subscriber receives the certificate via an email sent to the address provided during enrollment" or - Passcode-based authentication where a randomly-generated passcode is delivered out-of-band by the enterprise administrator customer to the subscriber entitled to enroll for the certificate, and the subscriber provides this passcode at enrollment time or - Comparing information provided by the subscriber to information contained in business records or databases (customer directories such as Active Directory or	Verified?	Verified
Code Signing Not requesting the code signing trust bit Verified? Not Applicable for this root.	Subscriber Verification		Verified?	Not Applicable
Multi-Factor STN-CPS section 5.2 Verified? Verified Authentication		STN-CPS section 5.2	Verified?	Verified
Network Security STN-CPS section 6.7 Verified? Verified				

Link to Publicly Disclosed	and Audited subor	dinate CA Certificates
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Only the email trust bit will be set for this root. See item #4 of https://wiki.mozilla.org /CA:CertificatePolicyV2.1#Frequently\_Asked\_Questions Publicly Disclosed & Audited subCAs

Verified? Not Applicable