Mozilla - CA Program

Case Number	. 00000063	Case Record Ture	CA 0	r/Deat Inclusion Deguast
		Case Record Type		er/Root Inclusion Request
CA Owner/Certificate Name		Request Status	Need Info	ormation from CA
ditional Case Inf	ormation			
Subject	Include Amazon Root Certificates	Case Reason		
ugzilla Informatio	n			
Link to Bugzilla Bug	https://bugzilla.mozilla.org /show_bug.cgi?id=1172401			
eneral informatio	n about CA's associated organization			
CA Email Alias 1	aws-tsp-requests@amazon.com			
CA Email Alias 2	1			
Company Website	https://www.amazontrust.com/	Verified?	Verified	
Organizational Type	Commercial Organization	Verified?	Verified	
Organizational Type (Others)		Verified?	Not Appli	cable
Geographic Focus	Global	Verified?	Verified	
Primary Market Customer Base		Verified?	Verified	
npact to Mozilla Users	This application includes four new root CAs. It also includes one additional root CA already in the Mozilla program which we wish to have enabled for EV certificate issuance.	Verified?	Verified	
esponse to Mozill	a's list of Recommended Practices			
Recommended Practices	https://wiki.mozilla.org /CA:Recommended_Practices#CA_Recommended_		nmended Statement	I have reviewed Mozilla's list o 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	Comment #9: We have reviewed the "Potentially pro CA practices". We fully comply with the Mozilla CA p requirements, including complying with the CA/Brow	rogram	Verified?	Verified

Subject Include Amazon Root CA 1 SHA-256 Technical Information about Root Certificate O From Issuer Field Amazon Verified? Verified? OU From Issuer Field Amazon Verified? Verified? Verified? Certificate Summary The Amazon Root CAs will have internally-operated subordinate CAs that will issue certs for SSL, Code Signing, Email, etc. There will be separate subCAs for EV certificate issuance. Externally-operated subCAs are permitted according to the CPS. Verified? Verified? Root URL https://www.amazontrust.com/repository/AmazonRootCA1.cer Verified? Verified? Verified? Valid From 2015 May 26 Verified? Verified? Verified?	sponse to Mo	zilla's list of Potentially Problematic Practice	5			
Problematic *Amazon allows externally operated subordinate CAs as documented in section 4.2.2 of the ATS CPS. *Third parties cannot directly cause the issuance of certificates from Amazon operated CAs. Coot Case Record # 1 Root Case Information Root Case Information Request Status Need Information from CA Case Number 00000083 Request Status Need Information from CA Case Number 00000063 Additional Root Case Information Subject Include Amazon Root CA 1 – SHA-256 Technical Information about Root Certificate Verified? Verified? Verified? O From Issuer Field Amazon Root CA 1 – SHA-256 Verified? Verified? Verified? O From Issuer Field Amazon Root Cas will have internally-operated subordinate CAs that will issue certs for Issuer Field Verified? Verified? Verified? OU From Issuer Field The Amazon Root CAs will have internally-operated subordinate CAs that will issue certs for SSL, Code Signing, Email, etc. There will be separate subCAs for EV certificate issuance. Externally-operated subCAs are permitted according to the CPS. Verified? Verified? Summary The Amazon Root CAs will have internally-operated subCAs for EV certificate issuance. Externally-operated subCAs are permitted according to the CPS. Verified? Verified? </th <th>Problematic</th> <th></th> <th>A_practices</th> <th>Practices</th> <th>Potentially Pro Practices, and do not do those exceptions ar</th> <th>oblematic d confirm that we se practices, with d clarifications</th>	Problematic		A_practices	Practices	Potentially Pro Practices, and do not do those exceptions ar	oblematic d confirm that we se practices, with d clarifications
Source of the second of the s	Problematic	 * Amazon allows externally operated subordinate CAs documented in section 4.2.2 of the ATS CPS. * Third parties cannot directly cause the issuance of certain the section of th		Verified?	Verified	
Root Certificate Name Amazon Root CA 1 Root Case No R00000083 Request Status Need Information from CA Case Number 00000063 Additional Root Case Information Subject Include Amazon Root CA 1 SHA-256 Verified? Verified? Certificate Amazon About Certificate Verified? Verified? Verified? O From Issuer Field Amazon Root CAs will have internally-operated subordinate CAs that will issue certs for Summary Subject Signing, Email, etc. There will be separate subCAs for EV certificate issuance. Externally-operated subCAs are permitted according to the CPS. Verified? Verified? Verified? Root Certificate Date Signing, Email, etc. There will be separate subCAs for EV certificate issuance. Externally-operated subCAs are permitted according to the CPS. Verified? Verifi						
Request Status Need Information from CA Case Number 00000063 Additional Root Case Information Subject Include Amazon Root CA 1 SHA-256 Technical Information about Root Certificate Verified? Verified? O From Issuer Field Amazon Verified? Verified? Verified? O From Issuer Field Amazon Root CAs will have internally-operated subordinate CAs that will issue certs for SUmmary Verified? Verified? Verified? Certificate Summary The Amazon Root CAs will have internally-operated subOcAs for EV certificate issuance. Externally-operated subCAs for EV certificate issuance. Verified? Verified? Verified? Root URL https://www.amazontrust.com/repository/AmazonRootCA1.cer Verified? Verified? Verified? Valid From 2015 May 26 Verified? Verified? Verified? Verified?			Root Case No	P0000083		
Additional Root Case Information Subject Include Amazon Root CA 1 – SHA-256 Technical Information about Root Certificate 0 From Issuer Field Amazon 0 From Issuer Field Amazon 0 U From Issuer Field Verified? 0 Certificate Summary The Amazon Root CAs will have internally-operated subordinate CAs that will issue certs for SSL, Code Signing, Email, etc. There will be separate subCAs for EV certificate issuance. Externally-operated subCAs are permitted according to the CPS. Verified? Root URL https://www.amazontrust.com/repository/AmazonRootCA1.cer Verified? Verified? Valid From 2015 May 26 Verified? Verified? Verified?						
O From Issuer FieldAmazonVerified?Verified?OU From Issuer FieldVerified?Verified?Verified?OU From Issuer FieldThe Amazon Root CAs will have internally-operated subordinate CAs that will issue certs for SSL, Code Signing, Email, etc. There will be separate subCAs for EV certificate issuance. Externally-operated subCAs are permitted according to the CPS.Verified?Verified?Certificate Download URLhttps://www.amazontrust.com/repository/AmazonRootCA1.cerVerified?Verified?Verified?Valid From2015 May 26Verified?Verified?Verified?Verified?	Si	ubject Include Amazon Root CA 1 SHA-256				
Issuer Field Match Verified OU From Issuer Field Verified? Verified? Certificate Summary The Amazon Root CAs will have internally-operated subordinate CAs that will issue certs for SSL, Code Signing, Email, etc. There will be separate subCAs for EV certificate issuance. Externally-operated subCAs are permitted according to the CPS. Verified? Verified? Root Certificate Download URL https://www.amazontrust.com/repository/AmazonRootCA1.cer Verified? Verified? Valid From 2015 May 26 Verified? Verified? Verified?	Fechnical Info	rmation about Root Certificate				
Issuer Field Verified Certificate Summary The Amazon Root CAs will have internally-operated subordinate CAs that will issue certs for SSL, Code Signing, Email, etc. There will be separate subCAs for EV certificate issuance. Externally-operated subCAs are permitted according to the CPS. Verified? Verified? Root Certificate Download URL https://www.amazontrust.com/repository/AmazonRootCA1.cer Verified? Verified? Valid From 2015 May 26 Verified? Verified?	· · ·	Amazon			Verified?	Verified
Summary SSL, Code Signing, Email, etc. There will be separate subCAs for EV certificate issuance. Externally-operated subCAs are permitted according to the CPS. Verified? Verified? Root Certificate Download URL Valid From 2015 May 26 Verified? Verified? Verified?					Verified?	Verified
Certificate Download URL Valid From 2015 May 26 Verified?	Summary S	SSL, Code Signing, Email, etc. There will be separate sub	CAs for EV certifica		Verified?	Verified
	Certificate Download	ttps://www.amazontrust.com/repository/AmazonRootCA1	.cer		Verified?	Verified
Valid To 2038 Jan 17 Verified 2 Verified	Valid From 2	2015 May 26			Verified?	Verified
Vernieur Vernieur Vernieur	Valid To 2	2038 Jan 17			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://good.sca1a.amazontrust.com/	Verified?	Verified
CRL URL(s)	<u>http://crl.rootca1.amazontrust.com/rootca1.crl</u> CP section 4.9.7: CRL issuing frequency for subscriber certificates is at least once every seven days	Verified?	Verified

OCSP URL(s)	http://oc	sp.rootca1.amazontrust.com/ sp.sca1a.amazontrust.com on 4.9.10: OCSP responses from this service MUST have a maximum expiration time lys	Verified?	Verified
Revocation Tested	https://ce	Resolve all errors listed here ertificate.revocationcheck.com/good.sca1a.amazontrust.com ng timeout errors)	Verified?	Need Response From CA
Trust Bits	Email; V	/ebsites	Verified?	Verified
SSL Validation Type	DV; OV;	EV	Verified?	Verified
EV Policy OID(s)	2.23.140	.1.1	Verified?	Verified
EV Tested	"2.23.14 "Amazor SEC_OI { 0x8E, (0x1A, 0» 0x90, 0x "MDkxC "biBSb2	n EV ÓID", D_UNKNOWN, DxCD, 0xE6, 0x88, 0x4F, 0x3D, 0x87, 0xB1, 0x12, 0x5B, 0xA3, xC3, 0xFC, 0xB1, 0x3D, 0x70, 0x16, 0xDE, 0x7F, 0x57, 0xCC, 4F, 0xE1, 0xCB, 0x97, 0xC6, 0xAE, 0x98, 0x19, 0x6E }, zAJBgNVBAYTAIVTMQ8wDQYDVQQKEwZBbWF6b24xGTAXBgNVBAMTEEFtYXpv" 90IENBIDE=", m/jAo54vB4ikPmljZbyg==",	Verified?	Verified
Root Stores Included In			Verified?	Verified
Mozilla Applied Constraints	None		Verified?	Verified
		nformation		Verified? Ver
SHA-1 ingerprint SHA-256	8D:A7:F9:	nformation 65:EC:5E:FC:37:91:0F:1C:6E:59:FD:C1:CC:6A:6E:DE:16 :88:4F:3D:87:B1:12:5B:A3:1A:C3:FC:B1:3D:70:16:DE:7F:57:CC:90:4F:E1:CB:97:C6:A	E:98:19:6E	
SHA-1 ingerprint	8D:A7:F9: 8E:CD:E6	65:EC:5E:FC:37:91:0F:1C:6E:59:FD:C1:CC:6A:6E:DE:16 :88:4F:3D:87:B1:12:5B:A3:1A:C3:FC:B1:3D:70:16:DE:7F:57:CC:90:4F:E1:CB:97:C6:A	\E:98:19:6E	
SHA-1 ingerprint SHA-256 ingerprint CA Hierarc	8D:A7:F9: 8E:CD:E6	65:EC:5E:FC:37:91:0F:1C:6E:59:FD:C1:CC:6A:6E:DE:16 :88:4F:3D:87:B1:12:5B:A3:1A:C3:FC:B1:3D:70:16:DE:7F:57:CC:90:4F:E1:CB:97:C6:A	\E:98:19:6E	

	 Subordinate CA to comply with CA/Browser Forum guidelines The CA generated and stores its keys on a HSM that meets the requirements in the CP The CA had the key generation audited by a qualified auditor. This is not required to be a WebTrust licensed auditor, but the auditor must meet items 1, 3, 6, and 7 of section 8.2 of the CP. If the Subordinate CA certificate is not technically constrained, then the contract requires the Subordinate CA operator to provide evidence of a WebTrust audit with a period ending not more than one year prior to application or a WebTrust point in time readiness assessment that occurred no more than one year prior to application 			
Cross Signing	Yes. Starfield Services Root Certificate Authority - G2 issued a cross certificate with this root as the subject.	Verified?	Verified	
Technical Constraint on 3rd party Issuer	Third parties cannot directly cause the issuance of certificates from Amazon operated CAs. CPS section 4.2.2 regarding externally- operated subCAs: If the Subordinate CA certificate is not technically constrained, then the contract requires theSubordinate CA operator to provide evidence of a WebTrust audit with a period ending not more than one year prior to application or a WebTrust point in time readiness assessment that occurred no more than one year prior to application. Additionally, the CA must have WebTrust audits covering periods no longer than one year in duration where each audit period must immediately start after the previous period end with no gaps. Amazon will post links to Subordinate CA certificates, CP, CPS, and audit options (if applicable) in its repository.	Verified?	Verified	

Policy Documentation		Verified?	Verified
CA Document Repository	https://www.amazontrust.com/	Verified?	Verified
CP Doc Language	English		
СР	http://www.amazontrust.com/repository /cp.pdf	Verified?	Verified
CP Doc Language	English		
CPS	http://www.amazontrust.com/repository /cps.pdf	Verified?	Verified
Other Relevant Documents	Subscriber Agreement: https://www.amazontrust.com/repository /sa-1.1.pdf	Verified?	Verified
Auditor Name	EY	Verified?	Verified
Auditor Website	http://www.ey.com/	Verified?	Verified

Auditor Qualifications	http://www.webtrust.org/licensed-webtrust- practitions-international/item64419.aspx	Verified?	Verified
Standard Audit	https://www.amazontrust.com/repository /AWS_WebTrustforCA.pdf	Verified?	Verified
Standard Audit Type	WebTrust	Verified?	Verified
Standard Audit Statement Date	6/3/2015	Verified?	Verified
BR Audit	https://www.amazontrust.com/repository /AWS_WebTrustforBR.pdf	Verified?	Verified
BR Audit Type	WebTrust	Verified?	Verified
BR Audit Statement Date	6/3/2015	Verified?	Verified
EV Audit	https://www.amazontrust.com/repository /AWS_WebTrustforEV.pdf	Verified?	Verified
EV Audit Type	WebTrust	Verified?	Verified
EV Audit Statement Date	6/3/2015	Verified?	Verified
BR Commitment to Comply	CP section 1.1.1, CPS section 1.1	Verified?	Verified
SSL Verification Procedures	CPS section 3.2.2 and CP section 3.2.2.4: Amazon uses the following methods to confirm that the Applicant has control of or right to use Domain Names: 1. Confirming the Applicant as the Domain Name Registrant directly with the Domain Name Registrart directly with the Domain Name Registrar; or 2. Confirming authorization of the Certificate's issuance directly with the Domain Name Registrant using a Reliable Method of Communication verified by either (i) communication with the Domain Name Registrar or (ii) being listed as the contact information for "registrant", "technical", or "administrative" contacts listed in the WHOIS record for the Base Domain; or 3. Confirming authorization for the Certificate's issuance through an email address created by prepending 'admin', 'administrator', 'webmaster', 'hostmaster', or 'postmaster' in the local part, followed by the at-sign ("@"), followed by the Domain Name, which may be formed by pruning zero or more components from the requested FQDN; or 4. Relying upon a Domain Authorization Document that meets the requirements listed below; or 5. Having the Applicant demonstrate control over the FQDN or Base Domain by making an agreed-upon change	Verified?	Verified
EV SSL Verification Procedures Organization Verification	CP section 3.2 CP section 3.2.2, 3.2.3, 3.2.5	Verified? Verified?	Verified
Procedures Email Address Verification Procedures	CPS section 3.2.2: Amazon uses the following methods to confirm the Applicant has control of or right to use Email Addresses:	Verified?	Verified

	 Confirming authorization of the Certificate's issuance by contacting the requested email address, or Confirming control of the FQDN in the Domain portion of the Email address using methods 1, 2, 5, 7, or 8 above. 		
Code Signing Subscriber Verification Pro	Mozilla is no longer accepting requests to enable the Code Signing trust bit, because we plan to remove the Code Signing trust bit in the next version of Mozilla's CA Certificate Policy.	Verified?	Not Applicable
Multi-Factor Authentication	CP section 5.3.7 and 6.5.1.1	Verified?	Verified
Network Security	CP section 6.7	Verified?	Verified

Link to Publicly Disclosed and Audited subordinate CA Certificates

Publicly Disclosed & Audited subCAs	https://www.amazontrust.com/repository/	Verified?	Verified	
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Root Case Record # 2

Root Case Information

Root Certificate Name	Amazon Root CA 3	Root Case No	R00000084
Request Status	Need Information from CA	Case Number	00000063

Additional Root Case Information

Subject Include Amazon Root CA 3 -- ECC P-256

Technical Information about Root Certificate

O From Issuer Field	Amazon	Verified?	Verified
OU From Issuer Field		Verified?	Verified
Certificate Summary	New root certificate that will sign intermediate certificates that will issue certs for SSL, Code Signing, Email, etc.	Verified?	Verified
Root Certificate Download URL	http://www.amazontrust.com/repository/AmazonRootCA3.cer	Verified?	Verified
Valid From	2015 May 26	Verified?	Verified
Valid To	2040 May 26	Verified?	Verified
Certificate Version	3	Verified?	Verified
Certificate Signature Algorithm	ECC	Verified?	Verified
Signing Key Parameters	ECC P-256	Verified?	Verified
Test Website URL (SSL) or Example	https://good.sca3a.amazontrust.com/	Verified?	Verified

Cert				
CRL URL(s)		rootca3.amazontrust.com/rootca3.crl on 4.9.7: CRL issuing frequency for subscriber certificates is at least once every ays	Verified?	Verified
OCSP URL(s)	http://ocs	sp.rootca3.amazontrust.com/ sp.sca3a.amazontrust.com on 4.9.10: OCSP responses from this service MUST have a maximum expiration time tys	Verified?	Verified
Revocation Tested		Resolve all errors listed here: ertificate.revocationcheck.com/good.sca3a.amazontrust.com	Verified?	Need Response From CA
Trust Bits	Email; W	/ebsites	Verified?	Verified
SSL Validation Type	DV; OV;	EV	Verified?	Verified
EV Policy OID(s)	2.23.140).1.1	Verified?	Verified
EV Tested	"2.23.14 "Amazor SEC_OI { 0x18, 0 0xB8, 0x 0x27, 0x "MDkxC: "biBSb29	n EV ÓID", D_UNKNOWN, IXCE, 0x6C, 0xFE, 0x7B, 0xF1, 0x4E, 0x60, 0xB2, 0xE3, 0x47, IXDF, 0xE8, 0x68, 0xCB, 0x31, 0xD0, 0x2E, 0xBB, 0x3A, 0xDA, 15, 0x69, 0xF5, 0x03, 0x43, 0xB4, 0x6D, 0xB3, 0xA4 }, zAJBgNVBAYTAIVTMQ8wDQYDVQQKEwZBbWF6b24xGTAXBgNVBAMTEEFtYXpv" 90IENBIDM=", ISXNmY/Owua2eiedgPySg==",	Verified?	Verified
Root Stores Included In			Verified?	Verified
Mozilla Applied Constraints	None		Verified?	Verified
Digital Fing	gerprint lr	nformation		
SHA-1 Fingerprint	0D:44:DD:	8C:3C:8C:1A:1A:58:75:64:81:E9:0F:2E:2A:FF:B3:D2:6E		Verified? Ver
SHA-256 Fingerprint	18:CE:6C:	FE:7B:F1:4E:60:B2:E3:47:B8:DF:E8:68:CB:31:D0:2E:BB:3A:DA:27:15:69:F5:03:43:B4	:6D:B3:A4	Verified? Ver
CA Hierarc	hy Inform	nation		
CA	Hierarchy	We will have separate subordinate CAs to issue the following types of certificates: - Extended Validation Server Authentication - Code Signing - Other types of certificates as covered by our CP and CPS (including Server Authentication and Email Protection) We will not issue EV certificates from subordinates used to issue non-EV certificates from subordinates used to issue non-code signing certificates.Verified?Verified		
Externally	Operated SubCAs	Amazon allows externally operated subordinate CAs.Verified?Verified?CPS section 4.2.2: For Applications for a		

	Subordinate CA where the Subordinate CA will not be controlled by Amazon, Amazon ensures that all the following are true: • The APPMA has approved the Subordinate CA • There is a contract in place requiring the Subordinate CA to comply with CA/Browser Forum guidelines • The CA generated and stores its keys on a HSM that meets the requirements in the CP • The CA had the key generation audited by a qualified auditor. This is not required to be a WebTrust licensed auditor, but the auditor must meet items 1, 3, 6, and 7 of section 8.2 of the CP. • If the Subordinate CA certificate is not technically constrained, then the contract requires the Subordinate CA operator to provide evidence of a WebTrust audit with a period ending not more than one year prior to application or a WebTrust point in time readiness assessment that occurred no more than one year prior to application			
Cross Signing	Yes. Starfield Services Root Certificate Authority - G2 issued a cross certificate with this root as the subject.	Verified?	Verified	
Technical Constraint on 3rd party Issuer	Third parties cannot directly cause the issuance of certificates from Amazon operated CAs. CPS section 4.2.2 regarding externally- operated subCAs: If the Subordinate CA certificate is not technically constrained, then the contract requires theSubordinate CA operator to provide evidence of a WebTrust audit with a period ending not more than one year prior to application or a WebTrust point in time readiness assessment that occurred no more than one year prior to application. Additionally, the CA must have WebTrust audits covering periods no longer than one year in duration where each audit period must immediately start after the previous period end with no gaps. Amazon will post links to Subordinate CA certificates, CP, CPS, and audit options (if applicable) in its repository.	Verified?	Verified	
/erification Policies	s and Practices			
Policy Documentation			Verified?	Verified

Auditor Name	EY	Verified?	Verified
Auditor Website	http://www.ey.com/	Verified?	Verified
Auditor Qualifications	http://www.webtrust.org/licensed-webtrust-practitions- international/item64419.aspx	Verified?	Verified
Standard Audit	https://www.amazontrust.com/repository /AWS_WebTrustforCA.pdf	Verified?	Verified
Standard Audit Type	WebTrust	Verified?	Verified
Standard Audit Statement Date	6/3/2015	Verified?	Verified
BR Audit	https://www.amazontrust.com/repository /AWS_WebTrustforBR.pdf	Verified?	Verified
BR Audit Type	WebTrust	Verified?	Verified
BR Audit Statement Date	6/3/2015	Verified?	Verified
EV Audit	https://www.amazontrust.com/repository /AWS_WebTrustforEV.pdf	Verified?	Verified
EV Audit Type	WebTrust	Verified?	Verified
EV Audit Statement Date	6/3/2015	Verified?	Verified
BR Commitment to Comply	CP section 1.1.1, CPS section 1.1	Verified?	Verified
SSL Verification Procedures	CPS section 3.2.2 and CP section 3.2.2.4: Amazon uses the following methods to confirm that the Applicant has control of or right to use Domain Names: 1. Confirming the Applicant as the Domain Name Registrant directly with the Domain Name Registrar; or 2. Confirming authorization of the Certificate's issuance directly with the Domain Name Registrant using a Reliable Method of Communication verified by either (i) communication with the Domain Name Registrar or (ii) being listed as the contact information for "registrant", "technical", or "administrative" contacts listed in the WHOIS record for the Base Domain; or 3. Confirming authorization for the Certificate's issuance through an email address created by prepending 'admin', 'administrator', 'webmaster', 'hostmaster', or 'postmaster' in the local part, followed by the at-sign ("@"), followed by the Domain Name, which may be formed by pruning zero or more components from the requested FQDN; or 4. Relying upon a Domain Authorization Document that meets the requirements listed below; or 5. Having the Applicant demonstrate control over the FQDN or Base Domain by making an agreed-upon change 	Verified?	Verified
EV SSL Verification Procedures	CP section 3.2	Verified?	Verified
Organization Verification Procedures	CP section 3.2.2, 3.2.3, 3.2.5	Verified?	Verified
Email Address Verification Procedures	CPS section 3.2.2: Amazon uses the following methods to confirm the Applicant has control of or right to use Email Addresses: 1. Confirming authorization of the Certificate's issuance by contacting the requested email address, or 2. Confirming control of the FQDN in the Domain portion of the Email address using methods 1, 2, 5, 7, or 8 above. Item 4 of <u>https://wiki.mozilla.org</u> /CA:Information_checklist#Verification_Policies_and_Practices	Verified?	Verified

Code Signing Subscriber Verification Pro	EV Code Signing Certs: CP section 3.2		Verified?	Not Applicable
Multi-Factor Authentication	CP section 5.3.7 and 6.5.1.1		Verified?	Verified
Network Security	CP section 6.7		Verified?	Verified
	isclosed and Audited subordinate CA Ce	fillicale3		
Publicly Disclosed & Audited subCA		Verified?	Verified	
Audited subCA		Verified?	Verified	
Audited subCA	Record # 3	Verified?	Verified	
Audited subCA	Record # 3	Verified?	Verified R0000008	35

Additional Root Case Information

Subject Include Amazon Root CA 2 -- SHA-384

Technical Information about Root Certificate O From Verified? Amazon **Issuer Field** OU From Verified? **Issuer Field** Certificate The Amazon Root CAs will have internally-operated subordinate CAs that will issue certs for Verified? Summary SSL, Code Signing, Email, etc. There will be separate subCAs for EV certificate issuance. Externally-operated subCAs are permitted according to the CPS. Root Verified? http://www.amazontrust.com/repository/AmazonRootCA2.cer Certificate Download URL Valid From Verified? 2015 May 26 Valid To 2040 May 26 Verified? Certificate 3 Verified? Version Certificate Verified? SHA-384 Signature Algorithm Signing Key Verified? 4096 Parameters Test Website https://good.sca2a.amazontrust.com/ Verified? URL (SSL) or Example Cert CRL URL(s) Verified? http://crl.rootca2.amazontrust.com/rootca2.crl CP section 4.9.7: CRL issuing frequency for subscriber certificates is at least once every seven days

Verified

OCSP URL(s)	http://ocs	sp.rootca2.amazontrust.com/ sp.sca2a.amazontrust.com ion 4.9.10: OCSP responses from this service MUST have a maximum expiratio ays	Verified?	Verified
Revocation Tested		Resolve all errors listed here: ertificate.revocationcheck.com/good.sca2a.amazontrust.com	Verified?	Need Response From CA
Trust Bits	Email; W	/ebsites	Verified?	Verified
SSL Validation Type	DV; OV;	EV	Verified?	Verified
EV Policy OID(s)	2.23.140).1.1	Verified?	Verified
EV Tested	"2.23.14 "Amazor SEC_OI { 0x1B, 0 0x18, 0x 0x71, 0x "MDkxC: "biBSb29	n EV OID", D_UNKNOWN, 0xA5, 0xB2, 0xAA, 0x8C, 0x65, 0x40, 0x1A, 0x82, 0x96, 0x01, xF8, 0x0B, 0xEC, 0x4F, 0x62, 0x30, 0x4D, 0x83, 0xCE, 0xC4, x3A, 0x19, 0xC3, 0x9C, 0x01, 0x1E, 0xA4, 0x6D, 0xB4 }, zAJBgNVBAYTAIVTMQ8wDQYDVQQKEwZBbWF6b24xGTAXBgNVBAMTEEF 90IENBIDI=", Y1hp8KD+WGePhbJruKNw==",	Verified?	Verified
Root Stores Included In			Verified?	Verified
Mozilla Applied Constraints	None		Verified?	Verified
		nformation		/erified? Verifie
SHA-1 Fingerprint SHA-256	5A:8C:EF:	nformation :45:D7:A6:98:59:76:7A:8C:8B:44:96:B5:78:CF:47:4B:1A AA:8C:65:40:1A:82:96:01:18:F8:0B:EC:4F:62:30:4D:83:CE:C4:71:3A:19:C3:9C		
SHA-1 Fingerprint	5A:8C:EF: 1B:A5:B2:	:45:D7:A6:98:59:76:7A:8C:8B:44:96:B5:78:CF:47:4B:1A AA:8C:65:40:1A:82:96:01:18:F8:0B:EC:4F:62:30:4D:83:CE:C4:71:3A:19:C3:9C		
SHA-1 Fingerprint SHA-256 Fingerprint	5A:8C:EF: 1B:A5:B2:	:45:D7:A6:98:59:76:7A:8C:8B:44:96:B5:78:CF:47:4B:1A AA:8C:65:40:1A:82:96:01:18:F8:0B:EC:4F:62:30:4D:83:CE:C4:71:3A:19:C3:9C	D:01:1E:A4:6D:B4 V	

	 Subordinate CA to comply with CA/Browser Forum guidelines The CA generated and stores its keys on a HSM that meets the requirements in the CP The CA had the key generation audited by a qualified auditor. This is not required to be a WebTrust licensed auditor, but the auditor must meet items 1, 3, 6, and 7 of section 8.2 of the CP. If the Subordinate CA certificate is not technically constrained, then the contract requires the Subordinate CA operator to provide evidence of a WebTrust audit with a period ending not more than one year prior to application or a WebTrust point in time readiness assessment that occurred no more than one year prior to application 			
Cross Signing	Yes. Starfield Services Root Certificate Authority - G2 issued a cross certificate with this root as the subject.	Verified?	Verified	
Technical Constraint on 3rd party Issuer	Third parties cannot directly cause the issuance of certificates from Amazon operated CAs. CPS section 4.2.2 regarding externally-operated subCAs: If the Subordinate CA certificate is not technically constrained, then the contract requires theSubordinate CA operator to provide evidence of a WebTrust audit with a period ending not more than one year prior to application or a WebTrust point in time readiness assessment that occurred no more than one year prior to application. Additionally, the CA must have WebTrust audits covering periods no longer than one year in duration where each audit period must immediately start after the previous period end with no gaps. Amazon will post links to Subordinate CA certificates, CP, CPS, and audit options (if applicable) in its repository.	Verified?	Verified	

Policy Documentation		Verified?	Verified
CA Document Repository	https://www.amazontrust.com/	Verified?	Verified
CP Doc Language	English		
СР	http://www.amazontrust.com/repository /cp.pdf	Verified?	Verified
CP Doc Language	English		
CPS	http://www.amazontrust.com/repository /cps.pdf	Verified?	Verified
Other Relevant Documents	Subscriber Agreement: https://www.amazontrust.com/repository /sa-1.1.pdf	Verified?	Verified
Auditor Name	EY	Verified?	Verified
Auditor Website	http://www.ey.com/	Verified?	Verified

Auditor Qualifications	http://www.webtrust.org/licensed-webtrust- practitions-international/item64419.aspx	Verified?	Verified
Standard Audit	https://www.amazontrust.com/repository /AWS_WebTrustforCA.pdf	Verified?	Verified
Standard Audit Type	WebTrust	Verified?	Verified
Standard Audit Statement Date	6/3/2015	Verified?	Verified
BR Audit	https://www.amazontrust.com/repository /AWS_WebTrustforBR.pdf	Verified?	Verified
BR Audit Type	WebTrust	Verified?	Verified
BR Audit Statement Date	6/3/2015	Verified?	Verified
EV Audit	https://www.amazontrust.com/repository /AWS_WebTrustforEV.pdf	Verified?	Verified
EV Audit Type	WebTrust	Verified?	Verified
EV Audit Statement Date	6/3/2015	Verified?	Verified
BR Commitment to Comply	CP section 1.1.1, CPS section 1.1	Verified?	Verified
SSL Verification Procedures	CPS section 3.2.2 and CP section 3.2.2.4: Amazon uses the following methods to confirm that the Applicant has control of or right to use Domain Names: 1. Confirming the Applicant as the Domain Name Registrant directly with the Domain Name Registrart directly with the Domain Name Registrar; or 2. Confirming authorization of the Certificate's issuance directly with the Domain Name Registrant using a Reliable Method of Communication verified by either (i) communication with the Domain Name Registrar or (ii) being listed as the contact information for "registrant", "technical", or "administrative" contacts listed in the WHOIS record for the Base Domain; or 3. Confirming authorization for the Certificate's issuance through an email address created by prepending 'admin', 'administrator', 'webmaster', 'hostmaster', or 'postmaster' in the local part, followed by the at-sign ("@"), followed by the Domain Name, which may be formed by pruning zero or more components from the requested FQDN; or 4. Relying upon a Domain Authorization Document that meets the requirements listed below; or 5. Having the Applicant demonstrate control over the FQDN or Base Domain by making an agreed-upon change	Verified?	Verified
EV SSL Verification Procedures	CP section 3.2	Verified? Verified?	Verified
Organization Verification Procedures	CP section 3.2.2, 3.2.3, 3.2.5	vermed?	Verified
Email Address Verification Procedures	CPS section 3.2.2: Amazon uses the following methods to confirm the Applicant has control of or right to use Email Addresses:	Verified?	Verified

		requested email ad	ce by contacting the dress, or ol of the FQDN in the he Email address				
Code Subscriber Ver	Signing rification Pro			Verified?	Not Applicable	9	
	ti-Factor ntication	CP section 5.3.7 an	nd 6.5.1.1	Verified?	Verified		
Network	Security	CP section 6.7		Verified?	Verified		
Link to Publ	licly Disc	closed and Audit	ed subordinate CA	Certificates			
Publicly Disc Audited	closed & subCAs	https://www.amazor	ntrust.com/repository/	Verified?	Verified		
loot Ca	se R	ecord # 4					
Root Case I	nformati	on					
Root Certifica	ite Name	Amazon Root CA 4		Root Case No	R00000086		
Reque	st Status	Need Information fr	om CA	Case Number	0000063		
	Subject	Include Amazon Ro	oot CA 4 ECC P-384				
Technical In	Subject	Include Amazon Ro	oot CA 4 ECC P-384				
Technical In O From Issuer Field	-					Verified?	Verified
O From	formatic					Verified? Verified?	Verified Verified
O From Issuer Field OU From	formatic Amazon The Ama SSL, Con	on about Root Ce azon Root CAs will ha de Signing, Email, etc	ertificate	subordinate CAs that will e subCAs for EV certifica to the CPS.			
O From Issuer Field OU From Issuer Field Certificate	formatic Amazon The Ama SSL, Co External	azon Root CAs will ha de Signing, Email, etc y-operated subCAs a	ertificate ave internally-operated c. There will be separat	e subCAs for EV certifica to the CPS.		Verified?	Verified
O From Issuer Field OU From Issuer Field Certificate Summary Root Certificate Download	formatic Amazon The Ama SSL, Co External	azon Root CAs will ha de Signing, Email, etc y-operated subCAs a w.amazontrust.com/r	ave internally-operated c. There will be separat	e subCAs for EV certifica to the CPS.		Verified? Verified?	Verified Verified
O From Issuer Field OU From Issuer Field Certificate Summary Root Certificate Download URL	formatic Amazon The Ama SSL, Co Externall http://ww	azon Root CAs will ha de Signing, Email, etc y-operated subCAs a w.amazontrust.com/r	ave internally-operated c. There will be separat	e subCAs for EV certifica to the CPS.		Verified? Verified? Verified?	Verified Verified Verified
O From Issuer Field OU From Issuer Field Certificate Summary Certificate Download URL	formatic Amazon The Ama SSL, Co Externall http://ww 2015 Ma	azon Root CAs will ha de Signing, Email, etc y-operated subCAs a w.amazontrust.com/r	ave internally-operated c. There will be separat	e subCAs for EV certifica to the CPS.		Verified? Verified? Verified? Verified?	Verified Verified Verified
O From Issuer Field OU From Issuer Field Certificate Summary Certificate Download URL Valid From Valid To Certificate	formatic Amazon The Ama SSL, Co Externall http://ww 2015 Ma 2040 Ma	azon Root CAs will ha de Signing, Email, etc y-operated subCAs a w.amazontrust.com/r	ave internally-operated c. There will be separat	e subCAs for EV certifica to the CPS.		Verified? Verified? Verified? Verified? Verified?	Verified Verified Verified Verified
O From Issuer Field OU From Issuer Field Certificate Summary Certificate Download URL Valid From Valid To Certificate Version Certificate Signature	formatic Amazon The Ama SSL, Co Externall http://ww 2015 Ma 2040 Ma 3	azon Root CAs will ha de Signing, Email, etc y-operated subCAs a w.amazontrust.com/r y 26 y 26	ave internally-operated c. There will be separat	e subCAs for EV certifica to the CPS.		Verified? Verified? Verified? Verified? Verified? Verified?	Verified Verified Verified Verified Verified

CRL URL(s)		.rootca4.amazontrust.com/rootca4.crl ion 4.9.7: CRL issuing frequency for subscriber certificates is at least once every ays	Verified?	Verified
OCSP URL(s)	http://oc	sp.rootca4.amazontrust.com/ sp.sca4a.amazontrust.com ion 4.9.10: OCSP responses from this service MUST have a maximum expiration ays	Verified?	Verified
Revocation Tested		Resolve all errors list here: ertificate.revocationcheck.com/good.sca4a.amazontrust.com	Verified?	Need Response From CA
Trust Bits	Email; V	Vebsites	Verified?	Verified
SSL Validation Type	DV; OV;	EV	Verified?	Verified
EV Policy OID(s)	2.23.140	0.1.1	Verified?	Verified
EV Tested	"2.23.14 "Amazor SEC_OI { 0xE3, 0 0x38, 0x 0xDE, 0 "MDkxC "biBSb2	n EV OID", D_UNKNOWN, 0x5D, 0x28, 0x41, 0x9E, 0xD0, 0x20, 0x25, 0xCF, 0xA6, 0x90, xCD, 0x62, 0x39, 0x62, 0x45, 0x8D, 0xA5, 0xC6, 0x95, 0xFB, xA3, 0xC2, 0x2B, 0x0B, 0xFB, 0x25, 0x89, 0x70, 0x92 }, zAJBgNVBAYTAIVTMQ8wDQYDVQQKEwZBbWF6b24xGTAXBgNVBAMTEEFtY 90IENBIDQ=", iG7EEwpQ+Vxe3ssyBrBDg==",	Verified? Xpv"	Verified
Root Stores Included In			Verified?	Verified
Mozilla Applied Constraints	None		Verified?	Verified
Digital Fing	jerprint li	nformation		
SHA-1 Fingerprint	F6:10:84:0	07:D6:F8:BB:67:98:0C:C2:E2:44:C2:EB:AE:1C:EF:63:BE	Ve	rified? Verified
SHA-256 Fingerprint	E3:5D:28:	41:9E:D0:20:25:CF:A6:90:38:CD:62:39:62:45:8D:A5:C6:95:FB:DE:A3:C2:2B:0B:F	E:25:89:70:92 Ve	rified? Verified
CA Hierarc	hy Inform	nation		
CA	Hierarchy	We will have separate subordinate CAs to issue the following types of certificates: Verified? Verified - Extended Validation Server Authentication - Code Signing - Other types of certificates as covered by our CP and CPS (including Server Authentication and Email Protection) Verified? Verified? We will not issue EV certificates from subordinates used to issue non-EV certificates and we will not issue code signing certificates from subordinates used to issue non-code signing certificates. Verified? Verified?		
Externally	Operated SubCAs	Amazon allows externally operated subordinate CAs.Verified?Verified?CPS section 4.2.2: For Applications for a Subordinate CA where the Subordinate CA will not be controlled by Amazon,Verified?		

	 true: The APPMA has approved the Subordinate CA There is a contract in place requiring the Subordinate CA to comply with CA/Browser Forum guidelines The CA generated and stores its keys on a HSM that meets the requirements in the CP The CA had the key generation audited by a qualified auditor. This is not required to be a WebTrust licensed auditor, but the auditor must meet items 1, 3, 6, and 7 of section 8.2 of the CP. If the Subordinate CA certificate is not technically constrained, then the contract requires the Subordinate CA operator to provide evidence of a WebTrust audit with a period ending not more than one year prior to application or a WebTrust point in time readiness assessment that occurred no more than one year prior to application 		
Cross Signing	Yes. Starfield Services Root Certificate Authority - G2 issued a cross certificate with this root as the subject.	Verified?	Verified
Technical Constraint on 3rd party Issuer	Third parties cannot directly cause the issuance of certificates from Amazon operated CAs. CPS section 4.2.2 regarding externally- operated subCAs: If the Subordinate CA certificate is not technically constrained, then the contract requires theSubordinate CA operator to provide evidence of a WebTrust audit with a period ending not more than one year prior to application or a WebTrust point in time readiness assessment that occurred no more than one year prior to application. Additionally, the CA must have WebTrust audits covering periods no longer than one year in duration where each audit period must immediately start after the previous period end with no gaps. Amazon will post links to Subordinate CA certificates, CP, CPS, and audit options (if applicable) in its repository.	Verified?	Verified

Verification Policies and Practices

Policy Documentation		Verified?	Verified
CA Document Repository	https://www.amazontrust.com/	Verified?	Verified
CP Doc Language	English		
CP	http://www.amazontrust.com/repository/cp.pdf	Verified?	Verified
CP Doc Language	English		
CPS	http://www.amazontrust.com/repository/cps.pdf	Verified?	Verified
Other Relevant Documents	Subscriber Agreement: <u>https://www.amazontrust.com</u> /repository/sa-1.1.pdf	Verified?	Verified
Auditor Name	EY	Verified?	Verified

Auditor Website	http://www.ey.com/	Verified?	Verified
Auditor Qualifications	http://www.webtrust.org/licensed-webtrust-practitions- international/item64419.aspx	Verified?	Verified
Standard Audit	https://www.amazontrust.com/repository /AWS_WebTrustforCA.pdf	Verified?	Verified
Standard Audit Type	WebTrust	Verified?	Verified
Standard Audit Statement Date	6/3/2015	Verified?	Verified
BR Audit	https://www.amazontrust.com/repository /AWS_WebTrustforBR.pdf	Verified?	Verified
BR Audit Type	WebTrust	Verified?	Verified
BR Audit Statement Date	6/3/2015	Verified?	Verified
EV Audit	https://www.amazontrust.com/repository /AWS_WebTrustforEV.pdf	Verified?	Verified
EV Audit Type	WebTrust	Verified?	Verified
EV Audit Statement Date	6/3/2015	Verified?	Verified
BR Commitment to Comply	CP section 1.1.1, CPS section 1.1	Verified?	Verified
SSL Verification Procedures	CPS section 3.2.2 and CP section 3.2.2.4: Amazon uses the following methods to confirm that the Applicant has control of or right to use Domain Names: 1. Confirming the Applicant as the Domain Name Registrant directly with the Domain Name Registrar; or 2. Confirming authorization of the Certificate's issuance directly with the Domain Name Registrant using a Reliable Method of Communication verified by either (i) communication with the Domain Name Registrar or (ii) being listed as the contact information for "registrant", "technical", or "administrative" contacts listed in the WHOIS record for the Base Domain; or 3. Confirming authorization for the Certificate's issuance through an email address created by prepending 'admin', 'administrator', 'webmaster', 'nostmaster', or 'postmaster' in the local part, followed by the at-sign ("@"), followed by the Domain Name, which may be formed by pruning zero or more components from the requested FQDN; or 4. Relying upon a Domain Authorization Document that meets the requirements listed below; or 5. Having the Applicant demonstrate control over the FQDN or Base Domain by making an agreed-upon change …	Verified?	Verified
EV SSL Verification Procedures	CP section 3.2	Verified?	Verified
Organization Verification Procedures	CP section 3.2.2, 3.2.3, 3.2.5	Verified?	Verified
Email Address Verification Procedures	CPS section 3.2.2: Amazon uses the following methods to confirm the Applicant has control of or right to use Email Addresses: 1. Confirming authorization of the Certificate's issuance by contacting the requested email address, or 2. Confirming control of the FQDN in the Domain portion of the Email address using methods 1, 2, 5, 7, or 8 above. Item 4 of <u>https://wiki.mozilla.org</u> /CA:Information_checklist#Verification_Policies_and_Practices	Verified?	Verified

	on Pro						
Multi- Authent		CP section 5.3.7 and 6.5.1.1		Verified?	Verified		
Network Security		CP section 6.7 Verified? Verifi			Verified	fied	
ink to Put	olicly Dis	closed and Audited subordina	ate CA Certificates				
Publicly Di Audite	sclosed & d subCAs	https://www.amazontrust.com/repo	sitory/ Verified?	Verified			
oot Ca	ase F	Record # 5					
oot Case	Informa	ion					
Root Certific	cate Name	Starfield Services Root Certificate Authority - G2	Root Case No	R0000010	5		
Requ	est Status	Need Information from CA	Case Number	00000063			
dditional	Root Ca	se Information					
	Subject	Enable EV for Starfield Services Ro Certificate Authority - G2	pot				
echnical I	nformati	on about Root Certificate			Verified?	Verified	
O From ssuer Field	Starfield	Technologies, Inc.				Vonnou	
SSUER Field OU From	Starfield	Technologies, Inc.			Verified?	Verified	
ssuer Field	Enable I	Technologies, Inc. EV treatment for the "Starfield Services via Bugzilla Bug #527056 when owner 15, and was witnessed and documente	d by GoDaddy. Ownership of th		at was Verified?		
SSUER Field OU From SSUER Field Certificate	Enable I included June 20	EV treatment for the "Starfield Services via Bugzilla Bug #527056 when owne	ed by GoDaddy. Ownership of the dby auditors.		at was Verified?	Verified	
Suer Field OU From Suer Field Certificate Summary Root Certificate Download URL	Enable I included June 20	EV treatment for the "Starfield Services via Bugzilla Bug #527056 when owne 15, and was witnessed and document ww.amazontrust.com/repository/SFSF	ed by GoDaddy. Ownership of the dby auditors.		at was Verified? ed in	Verified Verified	
Suer Field OU From Ssuer Field Certificate Summary Root Certificate Download URL Valid From Valid To	Enable F included June 20 https://w 2009 Se 2037 De	EV treatment for the "Starfield Services via Bugzilla Bug #527056 when owne 15, and was witnessed and document ww.amazontrust.com/repository/SFSF p 01	ed by GoDaddy. Ownership of the dby auditors.		at was Verified? ed in Verified? Verified? Verified? Verified?	Verified Verified Verified Verified	
Suer Field OU From Suer Field Certificate Summary Root Certificate Download URL Valid From	Enable I included June 20 https://w 2009 Se	EV treatment for the "Starfield Services via Bugzilla Bug #527056 when owne 15, and was witnessed and document ww.amazontrust.com/repository/SFSF p 01	ed by GoDaddy. Ownership of the dby auditors.		at was Verified? ed in Verified? Verified? Verified?	Verified Verified Verified Verified	
Suer Field OU From Ssuer Field Certificate Summary Root Certificate Download URL Valid From Valid To Certificate	Enable F included June 20 https://w 2009 Se 2037 De	EV treatment for the "Starfield Services via Bugzilla Bug #527056 when owne 15, and was witnessed and document ww.amazontrust.com/repository/SFSF p 01 c 31	ed by GoDaddy. Ownership of the dby auditors.		at was Verified? ed in Verified? Verified? Verified? Verified?	Verified Verified Verified Verified	
Suer Field OU From Suer Field Certificate Summary Root Certificate Download URL Valid From Valid To Certificate Version Certificate Signature	Enable I included June 20 https://w 2009 Se 2037 De 3	EV treatment for the "Starfield Services via Bugzilla Bug #527056 when owne 15, and was witnessed and document ww.amazontrust.com/repository/SFSF p 01 c 31	ed by GoDaddy. Ownership of the dby auditors.		at was Verified? ed in Verified? Verified? Verified? Verified? Verified?	Verified Verified Verified Verified Verified	

CRL URL(s)		ootg2.amazontrust.com/rootg2.crl n 4.9.7: CRL issuing frequency for subscriber certificates is at least once every seven	Verified?	Verified
OCSP URL(s)	http://ocs	<u>o.rootq2.amazontrust.com</u> o.sca0a.amazontrust.com n 4.9.10: OCSP responses from this service MUST have a maximum expiration time of	Verified?	Verified
Revocation Tested	NEED: R	esolve all errors listed here: tificate.revocationcheck.com/good.sca0a.amazontrust.com	Verified?	Need Response From CA
Trust Bits	Websites		Verified?	Verified
SSL Validation Type	DV; OV; E	EV	Verified?	Verified
EV Policy OID(s)	2.23.140.	1.1	Verified?	Verified
EV Tested	Inc.",L=S "2.23.140 "Amazon SEC_OIE { 0x56, 0x 0x51, 0x9 0xC6, 0xI "MIGYMC "dHRzZG "MDkGA1		Verified?	Verified
Root Stores Included In	Apple; Mi	crosoft; Mozilla	Verified?	Verified
Mozilla Applied Constraints	None		Verified?	Verified
Digital Fing		aformation 3D:2C:6D:04:E0:66:5F:59:6A:FF:22:D8:63:E8:25:6F:3F	Veri	ified? Veri
Fingerprint	92.0A.0F.0	10.20.0D.04.E0.00.3F.39.0A.FF.22.D0.03.E0.23.0F.3F	Ven	ineur ven
SHA-256 Fingerprint	56:8D:69:0	05:A2:C8:87:08:A4:B3:02:51:90:ED:CF:ED:B1:97:4A:60:6A:13:C6:E5:29:0F:CB:2A:E6:3E	:DA:B5 Veri	ified? Verif
CA Hierarc	hy Inform	ation		
CA	Hierarchy	We will have separate subordinate CAs to issue the following types of certificates: Verified? Verified - Extended Validation Server Authentication - - - Code Signing - - - - Other types of certificates as covered by our CP and CPS (including Server - - - Authentication and Email Protection) We will not issue EV certificates from subordinates used to issue non-EV - -		

Externally Operated SubCAs	 Amazon allows externally operated subordinate CAs. CPS section 4.2.2: For Applications for a Subordinate CA where the Subordinate CA will not be controlled by Amazon, Amazon ensures that all the following are true: The APPMA has approved the Subordinate CA There is a contract in place requiring the Subordinate CA to comply with CA/Browser Forum guidelines The CA generated and stores its keys on a HSM that meets the requirements in the CP The CA had the key generation audited by a qualified auditor. This is not required to be a WebTrust licensed auditor, but the auditor must meet items 1, 3, 6, and 7 of section 8.2 of the CP. If the Subordinate CA operator to provide evidence of a WebTrust audit with a period ending not more than one year prior to application or a WebTrust point in time readiness assessment that occurred 	Verified?	Verified
Cross Signing	no more than one year prior to application Yes. Starfield Services Root Certificate Authority - G2 issued cross certificates with: - Amazon Root CA 1 (RSA key with a 2048 bit long modulus) - Amazon Root CA 2 (RSA key with a 4096 bit long modulus) - Amazon Root CA 3 (EC key on the NIST P-256 curve) - Amazon Root CA 4 (EC key on the NIST P-384 curve)	Verified?	Verified
Technical Constraint on 3rd party Issuer	Third parties cannot directly cause the issuance of certificates from Amazon operated CAs. CPS section 4.2.2 regarding externally- operated subCAs: If the Subordinate CA certificate is not technically constrained, then the contract requires theSubordinate CA operator to provide evidence of a WebTrust audit with a period ending not more than one year prior to application or a WebTrust point in time readiness assessment that occurred no more than one year prior to application. Additionally, the CA must have WebTrust audits covering periods no longer than one year in duration where each audit period must immediately start after the previous period end with no gaps. Amazon will post links to Subordinate CA certificates, CP, CPS, and audit options (if applicable) in its repository.	Verified?	Verified
Verification Policies	and Practices		
Policy Documentation		Verified?	Verified

CA Document Repository	https://www.amazontrust.com/	Verified?	Verified
CP Doc Language	English		
СР	http://www.amazontrust.com/repository /cp.pdf	Verified?	Verified
CP Doc Language	English		
CPS	http://www.amazontrust.com/repository /cps.pdf	Verified?	Verified
Other Relevant Documents	Subscriber Agreement: https://www.amazontrust.com/repository /sa-1.1.pdf	Verified?	Verified
Auditor Name	EY	Verified?	Verified
Auditor Website	http://www.ey.com/	Verified?	Verified
Auditor Qualifications	http://www.webtrust.org/licensed-webtrust- practitions-international/item64419.aspx	Verified?	Verified
Standard Audit	https://www.amazontrust.com/repository /SFSG2_WebTrustforCA.pdf	Verified?	Verified
Standard Audit Type	WebTrust	Verified?	Verified
Standard Audit Statement Date	8/28/2015	Verified?	Verified
BR Audit	https://www.amazontrust.com/repository /SFSG2_WebTrustforBR.pdf	Verified?	Verified
BR Audit Type	WebTrust	Verified?	Verified
BR Audit Statement Date	8/28/2015	Verified?	Verified
EV Audit	https://www.amazontrust.com/repository /SFSG2_WebTrustforEV.pdf	Verified?	Verified
EV Audit Type	WebTrust	Verified?	Verified
EV Audit Statement Date	8/28/2015	Verified?	Verified
BR Commitment to Comply	CP section 1.1.1, CPS section 1.1	Verified?	Verified
SSL Verification Procedures	CPS section 3.2.2 and CP section 3.2.2.4: Amazon uses the following methods to confirm that the Applicant has control of or right to use Domain Names: 1. Confirming the Applicant as the Domain Name Registrant directly with the Domain Name Registrar; or 2. Confirming authorization of the Certificate's issuance directly with the Domain Name Registrant using a Reliable Method of Communication verified by either (i) communication verified by either (i) communication with the Domain Name Registrar or (ii) being listed as the contact information for "registrant", "technical", or "administrative" contacts listed in the WHOIS record for the Base Domain; or 3. Confirming authorization for the Certificate's issuance through an email address created by prepending 'admin', 'administrator', 'webmaster', 'hostmaster', or 'postmaster' in the local part, followed by the at-sign ("@"), followed by the Domain Name, which may be formed by pruning zero or more components from	Verified?	Verified

	 Relying upon a Domain Authorization Document that meets the requirements listed below; or Having the Applicant demonstrate control over the FQDN or Base Domain by making an agreed-upon change 		
EV SSL Verification Procedures	CP section 3.2	Verified?	Verified
Organization Verification Procedures	CP section 3.2.2, 3.2.3, 3.2.5	Verified?	Verified
Email Address Verification Procedures	CPS section 3.2.2: Amazon uses the following methods to confirm the Applicant has control of or right to use Email Addresses: 1. Confirming authorization of the Certificate's issuance by contacting the requested email address, or 2. Confirming control of the FQDN in the Domain portion of the Email address using methods 1, 2, 5, 7, or 8 above.	Verified?	Verified
Code Signing Subscriber Verification Pro	Mozilla is no longer accepting requests to enable the Code Signing trust bit, because we plan to remove the Code Signing trust bit in the next version of Mozilla's CA Certificate Policy.	Verified?	Verified
Multi-Factor Authentication	CP section 5.3.7 and 6.5.1.1	Verified?	Verified
Network Security	CP section 6.7	Verified?	Verified
Link to Publicly Dis Publicly Disclosed & Audited subCAs	closed and Audited subordinate CA Cert https://www.amazontrust.com/repository/	ificates Verified?	Verified