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## REPORT OF THE INDEPENDENT ACCOUNTANT

To the management of SSL Corp d/b/a SSL.COM ("SSL.COM"):

We have examined SSL.COM management's [assertion](#) that for its Certification Authority ("CA") operations in Houston, Texas, throughout the period November 21, 2016 to June 30, 2017 for its root and subordinate CAs enumerated in [Appendix A](#), SSL.COM has:

- disclosed its business, key lifecycle management, certificate lifecycle management, and CA environmental control practices in the applicable versions of its Certificate Policy and Certification Practice Statement enumerated in [Appendix B](#)
- maintained effective controls to provide reasonable assurance that SSL.COM provides its services in accordance with its Certificate Policy and Certification Practice Statement
- maintained effective controls to provide reasonable assurance that:
  - the integrity of keys and certificates it manages is established and protected throughout their lifecycles;
  - the integrity of subscriber keys and certificates it manages is established and protected throughout their lifecycles;
  - subscriber information is properly authenticated; and
  - subordinate CA certificate requests are accurate, authenticated, and approved
- maintained effective controls to provide reasonable assurance that:
  - logical and physical access to CA systems and data is restricted to authorized individuals;
  - the continuity of key and certificate management operations is maintained; and
  - CA systems development, maintenance, and operations are properly authorized and performed to maintain CA systems integrity

based on the [Trust Service Principles and Criteria for Certification Authorities v2.0](#). SSL.COM's management is responsible for its assertion. Our responsibility is to express an opinion on management's assertion, based on our examination.

The relative effectiveness and significance of specific controls at SSL.COM and their effect on assessments of control risk for subscribers and relying parties are dependent on their interaction with the controls and other factors present at individual subscriber and relying party locations. Our examination did not extend to controls at individual subscriber and relying party locations and we have not evaluated the effectiveness of such controls.

SSL.COM does not provide subscriber key life cycle management controls or certificate suspension. Accordingly, our examination did not extend to controls that would address those criteria.



Our examination was conducted in accordance with attestation standards established by the American Institute of Certified Public Accountants. Those standards require that we plan and perform the examination to obtain reasonable assurance about whether management's assertion is fairly stated, in all material respects. An examination involves performing procedures to obtain evidence about management's assertion. The nature, timing, and extent of the procedures selected depend on our judgment, including an assessment of the risks of material misstatement of management's assertion, whether due to fraud or error. We believe that the evidence we obtained is sufficient and appropriate to provide a reasonable basis for our opinion.

Because of the nature and inherent limitations of controls, SSL.COM's ability to meet the aforementioned criteria may be affected. For example, controls may not prevent, or detect and correct, error, fraud, unauthorized access to systems and information, or failure to comply with internal and external policies or requirements. Also, the projection of any conclusions based on our findings to future periods is subject to the risk that changes may alter the validity of such conclusions.

In our opinion management's assertion, as referred to above, is fairly stated, in all material respects.

This report does not include any representation as to the quality of SSL.COM's services other than its CA operations in Houston, Texas, nor the suitability of any of SSL.COM's services for any customer's intended purpose.

BDO USA, LLP

Certified Public Accountants  
St. Louis, Missouri  
July 27, 2017



**Trust is what we do.**

### SSL.COM MANAGEMENT'S ASSERTION

SSL Corp d/b/a SSL.COM ("SSL.COM") operates the Certification Authority ("CA") services known as the root and subordinate CAs enumerated in [Appendix A](#), and provides the following CA services:

- Subscriber registration
- Certificate renewal
- Certificate rekey
- Certificate issuance
- Certificate distribution
- Certificate revocation
- Certificate validation
- Subordinate CA certification

The management of SSL.COM is responsible for establishing and maintaining effective controls over its CA operations, including its CA business practices disclosure in its [repository](#), CA business practices management, CA environmental controls, CA key lifecycle management controls, certificate lifecycle management controls, and subordinate CA certificate lifecycle management controls. These controls contain monitoring mechanisms, and actions are taken to correct deficiencies identified.

There are inherent limitations in any controls, including the possibility of human error, and the circumvention or overriding of controls. Accordingly, even effective controls can only provide reasonable assurance with respect to SSL.COM's Certification Authority operations. Furthermore, because of changes in conditions, the effectiveness of controls may vary over time.

SSL.COM management has assessed its disclosures of its certificate practices and controls over its CA services. Based on that assessment, in SSL.COM management's opinion, in providing its CA services in Houston, Texas, throughout the period November 21, 2016 to June 30, 2017, SSL.COM has:

- disclosed its business, key lifecycle management, certificate lifecycle management, and CA environment control practices in SSL.COM's applicable versions of its Certificate Policy and Certification Practice Statement enumerated in [Appendix B](#)
- maintained effective controls to provide reasonable assurance that SSL.COM provides its services in accordance with its Certificate Policy and Certification Practice Statement
- maintained effective controls to provide reasonable assurance that:
  - the integrity of keys and certificates it manages is established and protected throughout their lifecycles;

- the integrity of subscriber keys and certificates it manages is established and protected throughout their lifecycles;
- subscriber information is properly authenticated; and
- subordinate CA certificate requests are accurate, authenticated, and approved
- maintained effective controls to provide reasonable assurance that:
  - logical and physical access to CA systems and data is restricted to authorized individuals;
  - the continuity of key and certificate management operations is maintained; and
  - CA systems development, maintenance, and operations are properly authorized and performed to maintain CA systems integrity

based on the [Trust Service Principles and Criteria for Certification Authorities v2.0](#), including the following:

#### **CA Business Practices Disclosure**

- Certification Practice Statement (CPS)
- Certificate Policy (CP)

#### **CA Business Practices Management**

- Certificate Policy Management
- Certification Practice Statement Management

#### **CA Environmental Controls**

- Security Management
- Asset Classification and Management
- Personnel Security
- Physical & Environmental Security
- Operations Management
- System Access Management
- System Development and Maintenance
- Business Continuity Management
- Monitoring and Compliance
- Audit Logging

#### **CA Key Lifecycle Management Controls**

- CA Key Generation
- CA Key Storage, Backup, and Recovery
- CA Public Key Distribution
- CA Key Usage
- CA Key Archival and Destruction

- CA Key Compromise
- CA Cryptographic Hardware Lifecycle Management

**Certificate Lifecycle Management Controls**

- Subscriber Registration
- Certificate Renewal
- Certificate Rekey
- Certificate Issuance
- Certificate Distribution
- Certificate Revocation
- Certificate Validation

**Subordinate CA Certificate Lifecycle Management Controls**

- Subordinate CA Certificate Lifecycle Management

SSL.COM does not provide subscriber lifecycle management controls or certificate suspension.

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Leo Grove  
Chief Executive Officer  
July 27, 2017



## APPENDIX A - IN-SCOPE CAs

Root CAs	Root CA Serial Numbers	SHA1 Thumbprint
CN = SSL.com Root Certification Authority RSA O = SSL Corporation L = Houston S = Texas C = US	7b 2c 9b d3 16 80 32 99	b7 ab 33 08 d1 ea 44 77 ba 14 80 12 5a 6f bd a9 36 49 0c bb
CN = SSL.com Root Certification Authority ECC O = SSL Corporation L = Houston S = Texas C = US	75 e6 df cb c1 68 5b a8	c3 19 7c 39 24 e6 54 af 1b c4 ab 20 95 7a e2 c3 0e 13 02 6a
CN = SSL.com EV Root Certification Authority ECC O = SSL Corporation L = Houston S = Texas C = US	2c 29 9c 5b 16 ed 05 95	4c dd 51 a3 d1 f5 20 32 14 b0 c6 c5 32 23 03 91 c7 46 42 6d
CN = SSL.com EV Root Certification Authority RSA R2 O = SSL Corporation L = Houston S = Texas C = US	56 b6 29 cd 34 bc 78 f6	74 3a f0 52 9b d0 32 a0 f4 4a 83 cd d4 ba a9 7b 7c 2e c4 9a
CN = SSL.com Root Certification Authority RSA R2 O = SSL Corporation L = Houston S = Texas C = US	5b 37 98 ca 35 9b 9b ee	8e 4d b2 78 e7 f7 7c 94 77 bb 25 af b2 65 57 ed d8 1d 51 2a
CN = SSL.com Root Certification Authority ECC R2 O = SSL Corporation L = Houston S = Texas C = US	21 e2 5b 95 ad 24 99 74	c4 ab a3 e9 60 24 c0 42 a5 e0 3b b0 68 41 1d 4e ce 99 7d 55

CN = SSL.com EV Root Certification Authority RSA R3 O = SSL Corporation L = Houston S = Texas C = US	24 cc 8d fc be 53 22 03	d5 b2 49 cd ff 5b 61 cf e1 b3 04 36 14 7a 76 33 0c 81 3b 36
CN = SSL.com EV Root Certification Authority ECC R2 O = SSL Corporation L = Houston S = Texas C = US	1e a0 54 bb 00 4f 1e f2	fc 8e 2c bc 87 41 5a b6 49 a0 0c ea 08 f5 11 ba c9 ac 26 5c
CN = CertLock Root Certification Authority ECC O = SSL Corporation L = Houston S = Texas C = US	38 00 94 eb fc e2 db f4	d7 7b 5d 94 9a 72 93 e2 2c 0c 85 e0 04 65 fd 78 ef 30 c9 21
CN = CertLock EV Root Certification Authority ECC O = SSL Corporation L = Houston S = Texas C = US	2e 76 4b e9 e9 15 34 58	70 82 c5 ce 46 7f b6 d3 6c 2c c4 a5 c5 fc b1 70 d8 85 cb f8
CN = CertLock EV Root Certification Authority RSA O = SSL Corporation L = Houston S = Texas C = US	7c fd ae b1 74 65 ee f1	c9 e9 c4 61 d0 36 17 8d 94 36 04 1f d3 3f a8 f0 0c 69 3c d0
CN = CertLock Root Certification Authority RSA O = SSL Corporation L = Houston S = Texas C = US	2e 06 f0 8d fa ff 1e 9b	73 76 45 8e f9 a0 72 97 a6 d1 5f 46 3a b6 26 f4 bb bf b2 94
CN = ecossl.com Root Certification Authority RSA R1 O = Cyberdata LLC L = Houston S = Texas C = US	45 ca ba 64 c1 8f 49 be	a9 46 99 62 4f a1 f2 3b 2f 57 80 c4 db e3 ff f0 e7 2b 8b 87

CN = ecossl.com Root Certification Authority ECC R1 O = Cyberdata LLC L = Houston S = Texas C = US	10 88 83 2d 3f ff e9 00	ed 37 78 f5 43 f3 20 df 8b 99 3a 24 76 1f bc a6 7c 1f c3 56
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Subordinate CAs	Subordinate CA Serial Numbers	SHA1 Thumbprint
CN = SSL.com RSA SSL subCA O = SSL Corporation L = Houston S = Texas C = US	09 97 ed 10 9d 1f 07 fc	33 ee 4e 37 0a 8d 90 fd 4b 14 45 e6 72 22 6c 4b 82 9c c6 d2
CN = SSL.com Code Signing Intermediate CA RSA R1 O = SSL Corp L = Houston S = Texas C = US	64 33 51 d3 c7 38 9f 08	bc 1e 0f f3 66 ee ad 57 f8 72 62 2a 0a 59 03 70 6b 74 20 f4
CN = SSL.com ECC SSL subCA O = SSL Corporation L = Houston S = Texas C = US	60 fe 91 8b 4a 57 b2 01	43 64 11 39 0d f6 0d 0a fc b1 b9 a7 5d 7d c1 ba 4d 2b 4f 6a
CN = SSL.com EV ECC SSL subCA O = SSL Corporation L = Houston S = Texas C = US	38 8e 0e ab 0d d6 dc 5d	ad 3b 4f 82 ec 99 85 43 ee 8f 32 54 5d a3 11 9e 47 64 a5 85
CN = SSL.com EV SSL Intermediate CA RSA R2 O = SSL Corp L = Houston S = Texas C = US	52 a8 05 27 ae 71 e6 75	44 95 87 ad cb 41 be 6a 52 87 c6 a9 71 ee 6b 96 8c 11 01 76
CN = SSL.com EV Code Signing Intermediate CA RSA R2 O = SSL Corp L = Houston S = Texas C = US	3b a7 4d 76 ad 86 e7 8e	ca c4 a0 d7 23 e3 5e 93 7a 31 fd 9a 64 87 7f a2 a2 cd fe 46



CN = SSL.com EV Timestamping Intermediate CA RSA R1 O = SSL Corp L = Houston S = Texas C = US	01 de e6 ce c9 2b 46 d8	c3 0f 0d 81 db 49 2d 06 df 72 42 05 32 0c 55 b0 e2 31 52 96
CN = CertLock ECC SSL subCA O = SSL Corporation L = Houston S = Texas C = US	7c c0 c4 55 70 39 20 cd	40 8b 37 90 d8 86 6b 00 e3 a6 f9 f0 55 3f e9 6c aa c4 72 93
CN = CertLock EV ECC SSL subCA O = SSL Corporation L = Houston S = Texas C = US	58 55 26 ee 2d af 63 d3	6d 02 d5 c6 99 cd f0 47 91 f3 c2 47 06 b8 11 c4 3f 24 12 50
CN = CertLock EV RSA SSL subCA O = SSL Corporation L = Houston S = Texas C = US	02 5b b7 0a ba 7e 81 a8	ae cc 3d 0b ca 76 6a 6f c4 7f 43 c0 37 bc d6 19 84 e7 e6 e1
CN = CertLock RSA SSL subCA O = SSL Corporation L = Houston S = Texas C = US	19 ef 13 7e fd 98 37 f3	e5 f0 17 c2 23 03 01 a0 a0 1f 83 ee 36 e3 02 c3 bd dc 71 6b

**APPENDIX B - CERTIFICATION PRACTICE STATEMENTS AND CERTIFICATE POLICY  
VERSIONS IN-SCOPE**

Document Version	Begin Effective Date	End Effective Date
<a href="#">Version 1.0</a>	7/18/2016	11/30/2016
<a href="#">Version 1.1</a>	11/30/2016	6/15/2017
<a href="#">Version 1.2</a>	6/15/2017	6/21/2017
<a href="#">Version 1.2.1</a>	6/21/2017	Current