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Report of the Independent Accountant

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

We have examined SSL.COM CA management's <u>assertion</u> that for its Certification Authority (CA) operations at Houston, TX, as of July 15, 2016 for its root and subordinate CAs listed in <u>Appendix A</u>, SSL.COM CA has:

- disclosed its business, key lifecycle management, certificate lifecycle management, and CA environment control practices in its <u>SSL.com Certificate Policy and Certification Practice Statement</u>, Version 1.0
- suitably designed, and placed into operation, controls to provide reasonable assurance that SSL.COM CA provides its services in accordance with its Certificate Policy and Certification Practice Statement
- suitably designed, and placed into operation, controls to provide reasonable assurance that:
 - the integrity of keys and certificates it manages was established and protected throughout their lifecycles;
 - subscriber information was properly authenticated for the registration activities performed by SSL.COM CA; and
 - subordinate CA certificate requests were accurate, authenticated, and approved
- suitably designed, and placed into operation, controls to provide reasonable assurance that:
 - logical and physical access to CA systems and data was restricted to authorized individuals:
 - the continuity of key and certificate management operations was maintained;
 and
 - CA systems development, maintenance, and operations were properly authorized and performed to maintain CA systems integrity

based on the Trust Service Principles and Criteria for Certification Authorities, Version 2.0.

SSL.COM CA's management is responsible for its assertion. Our responsibility is to express an opinion on management's assertion based on our examination.

We conducted our examination in accordance with standards for attestation engagements established by the American Institute of Certified Public Accountants and, accordingly, included:

(1) obtaining an understanding of SSL.COM CA's key and certificate lifecycle management business practices and its controls over key and certificate integrity, over the authenticity and confidentiality of subscriber and relying party information, over the continuity of key and certificate lifecycle management operations and over development, maintenance and operation of systems integrity;



- (2) evaluating the suitability of the design of the controls; and
- (3) performing such other procedures as we considered necessary in the circumstances.

We believe that our examination provides a reasonable basis for our opinion.

We did not perform procedures to determine the operating effectiveness of controls for any period. Accordingly, we express no opinion on the operating effectiveness of any aspects of SSL.COM CA's controls, individually or in the aggregate.

The suitability of the design of the controls at SSL.COM CA 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. We have performed no procedures to evaluate the suitability of the design of the controls at individual subscriber and relying party locations.

Because of the nature and inherent limitations of controls, SSL.COM CA'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, as of July 15, 2016, SSL.COM CA management's assertion, as referred to above, is fairly stated, in all material respects, based on the Trust Service Principles and Criteria for Certification Authorities, Version 2.0.

This report does not include any representation as to the quality of SSL.COM CA's services beyond those covered by the Trust Service Principles and Criteria for Certification Authorities, Version 2.0, nor the suitability of any of SSL.COM CA's services for any customer's intended purpose.

BDO USA, LLP

Certified Public Accountants St. Louis, Missouri July 20, 2016



SSL CORP CA MANAGEMENT'S ASSERTION

SSL Corp d/b/a SSL.COM Certification Authority ("SSL.COM CA") operates the Certification Authority (CA) services known as the root and subordinate CAs included 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 CA is responsible for establishing controls over its CA operations, including its CA business practices disclosure in its <u>repository</u>, 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, controls placed into operation can only provide reasonable assurance with respect to SSL.COM CA's Certification Authority operations.

SSL.COM CA management has assessed its disclosures of its certificate practices and controls over its CA services. Based on that assessment, in SSL.COM CA management's opinion, in providing its CA services at Houston, Texas, as of July 15, 2016, SSL.COM CA has:

- disclosed its business, key lifecycle management, certificate lifecycle management, and CA environment control practices in its <u>SSL.com Certificate Policy and Certification</u> <u>Practice Statement, Version 1.0</u>
- suitably designed, and placed into operation, controls to provide reasonable assurance that SSL.COM CA provides its services in accordance with its Certificate Policy and Certification Practice Statement
- suitably designed, and placed into operation, controls to provide reasonable assurance that:
 - the integrity of keys and certificates it manages was established and protected throughout their lifecycles;
 - subscriber information was properly authenticated for the registration activities performed by SSL.COM CA; and
 - subordinate CA certificate requests were accurate, authenticated, and approved



- suitably designed, and placed into operation, controls to provide reasonable assurance that:
 - logical and physical access to CA systems and data was restricted to authorized individuals:
 - the continuity of key and certificate management operations was maintained; and
 - CA systems development, maintenance, and operations are properly authorized and performed to maintain CA systems integrity

based on the <u>Trust Service Principles and Criteria for Certification Authorities, Version 2.0</u>, 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

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Certificate Lifecycle Management Controls

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

Leo Grove

Chief Executive Officer

July 20, 2016

Email: sales@ssl.com



APPENDIX A - IN-SCOPE CAS

| Root CAs | Root CA Serial Numbers |
|--|-------------------------|
| SSL.com Root Certification Authority RSA | 7b 2c 9b d3 16 80 32 99 |
| SSL.com EV Root Certification Authority RSA | 1d 6c 11 eb 6f da 39 9d |
| SSL.com Root Certification Authority ECC | 75 e6 df cb c1 68 5b a8 |
| SSL.com EV Root Certification Authority ECC | 2c 29 9c 5b 16 ed 05 95 |
| CertLock Root Certification Authority RSA | 2e 06 f0 8d fa ff 1e 9b |
| CertLock EV Root Certification Authority RSA | 7c fd ae b1 74 65 ee f1 |
| CertLock Root Certification Authority ECC | 38 00 94 eb fc e2 db f4 |
| CertLock EV Root Certification Authority ECC | 2e 76 4b e9 e9 15 34 58 |

| Subordinate CAs | Subordinate CAs Serial Numbers |
|---------------------------|--------------------------------|
| SSL.com RSA SSL subCA | 09 97 ed 10 9d 1f 07 fc |
| SSL.com EV RSA SSL subCA | 4e 1a c0 91 94 f3 e9 16 |
| SSL.com ECC SSL subCA | 60 fe 91 8b 4a 57 b2 01 |
| SSL.com EV ECC SSL subCA | 38 8e 0e ab 0d d6 dc 5d |
| CertLock RSA SSL subCA | 19 ef 13 7e fd 98 37 f3 |
| CertLock EV RSA SSL subCA | 02 5b b7 0a ba 7e 81 a8 |
| CertLock ECC SSL subCA | 7c c0 c4 55 70 39 20 cd |
| CertLock EV ECC SSL subCA | 58 55 26 ee 2d af 63 d3 |