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Building a better working world

Report of Independent Accountants

To the Management of AWS:

We have examined the assertion by the management of Amazon Web Services Inc. (AWS), that in providing its SSL Certification Authority ("CA") services in Seattle, Washington, as of July 24, 2015, AWS has:

- Disclosed its Certificate practices and procedures and its commitment to provide SSL Certificates in conformity with the applicable CA/Browser Forum Guidelines, and
- Maintained effective controls to provide reasonable assurance that:
  - The integrity of keys and certificates it manages was established and protected throughout their life cycles;
  - Logical and physical access to CA systems and data was restricted to authorized individuals;
  - The continuity of key and certificate management operations was maintained;
  - CA systems development, maintenance and operations were properly authorized and performed to maintain CA systems integrity; and
  - Met the Network and Certificate System Security Requirements as set forth by the CA/Browser Forum

for the Starfield Services Root Certificate Authority - G2 based on the *WebTrust® Principles and Criteria for Certification Authorities – SSL Baseline with Network Security Version 2.0*.

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

Our examination was conducted in accordance with attestation standards established by the American Institute of Certified Public Accountants, and accordingly, included (1) obtaining an understanding of AWS' key and SSL certificate life cycle management business practices and its controls over key and SSL certificate integrity, over the continuity of key and certificate life cycle management operations, and over the development, maintenance, and operation of systems integrity; (2) testing transactions executed in accordance with disclosed key and certificate life cycle management business practices; (3) testing and evaluating the operating effectiveness of the controls; and (4) performing such other procedures as we considered necessary in the circumstances.

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

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The relative effectiveness and significance of specific controls at AWS 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 effectiveness of controls at individual subscriber and relying party locations.

Because of the nature and inherent limitations of controls, AWS' 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 24, 2015, AWS' management's assertion, as set forth in the first paragraph, is fairly stated, in all material respects, based on the *WebTrust Principles and Criteria for Certification Authorities – SSL Baseline with Network Security Version 2.0*.

AWS has not issued any Subordinate CAs or cross-signed any CAs for the Starfield Services Root Certificate Authority - G2. Since AWS does not currently operate subordinate CAs the criteria relevant to Subscriber information under Principle 2: Service Integrity (properly collected, authenticated and verified) was not applicable.

This report does not include any representation as to the quality of AWS' services beyond those covered by the *WebTrust Principles and Criteria for Certification Authorities – SSL Baseline with Network Security Version 2.0* criteria, nor the suitability of any of AWS services for any customer's intended purpose.

Ernst & Young LLP

August 28, 2015

Assertion by Management of AWS Regarding its Disclosure of its Certificate Practices and its Controls Over its SSL Certification Authority Services as of May 27, 2015

August 28, 2015

The management of Amazon Web Services, Inc. (AWS) has assessed the disclosure of its certificate practices and its controls over its SSL Certification Authority (CA) services located in Seattle, Washington as of July 24, 2015. Based on that assessment, in AWS Management's opinion in providing its SSL CA services in Seattle, Washington as of July 24, 2015, AWS:

- Disclosed its Certificate practices and its commitment to provide SSL Certificates in conformity with the applicable CA/Browser Forum Guidelines
- Maintained effective controls to provide reasonable assurance that:
  - the integrity of keys and certificates it manages was established and protected throughout their life cycles;
  - logical and physical access to CA systems and data was restricted to authorized individuals;
  - the continuity of key and certificate management operations was maintained;
  - CA systems development, maintenance and operations were properly authorized and performed to maintain CA systems integrity; and
  - met the Network and Certificate System Security Requirements as set forth by the CA/Browser Forum.

for the Starfield Services Root Certificate Authority - G2, in accordance with the WebTrust® Principles and Criteria for Certification Authorities – SSL Baseline with Network Security Version 2.0.

AWS has not issued any Subordinate CAs or cross-signed any CAs for the Starfield Services Root Certificate Authority - G2. Since AWS does not currently operate subordinate CAs the criteria relevant to Subscriber information under Principle 2: Service Integrity (properly collected, authenticated and verified) was not applicable.

Very truly yours,

Charlie Bell
Senior Vice President
Utility Computing Services