

Ernst & Young Han Young Taeyoung Building, 111, Yeouigongwon-ro, Yeongdeungpo-gu, Seoul 150-777 Korea

Tel: +82 2 3787 6600 Fax: +82 2 783 5890 ey.com/kr

Report of the Independent Accountant

To the Management of Korea Electronic Certification Authority, Inc. ("CrossCert"):

We have examined <u>CrossCert management's assertion</u> that for its Certification Authority ("CA") operations at Republic of Korea, throughout the period July 1, 2015 to June 30, 2016 for its CA services as a subordinate CA of Symantec Corporation, CrossCert has:

- disclosed its business, key lifecycle management, certificate lifecycle management, and CA environmental control practices in its:
 - CrossCert Certificate Practice Statement Version 3.8.8,
- maintained effective controls to provide reasonable assurance that:
 - CrossCert provides its services in accordance with its 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 (for the registration activities performed by CrossCert); and
 - subordinate CA certificate requests are accurate, authenticated, and approved
- maintained effective controls to provide reasonable assurance that:
 - o 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 WebTrust Principles and Criteria for Certification Authorities, Version 2.0.

CrossCert'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 CrossCert'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 the development, maintenance and operation of systems integrity;
- (2) selectively testing transactions executed in accordance with disclosed key and certificate lifecycle 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.

The relative effectiveness and significance of specific controls at CrossCert 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, CrossCert'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, throughout the period July 1, 2015 to June 30, 2016, CrossCert management's assertion, as referred above, is fairly stated, in all material respects, based on the <u>WebTrust Principles and Criteria for Certification Authorities, Version 2.0.</u>

This report does not include any representation as to the quality of CrossCert's services beyond those covered by the <u>WebTrust Principles and Criteria for Certification Authorities, Version 2.0.</u>, nor the suitability of any of CrossCert's services for any customer's intended purpose.

Crosscert's use of the WebTrust for Certification Authorities Seal constitutes a symbolic representation of the contents of this report and it is not intended, nor should it be construed, to update this report or provide any additional assurance.

Seoul, Republic of Korea November 21, 2016

Einst Young Han Young

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Assertion of Management as to its Disclosure of its Business Practices and its Controls Over its Certification Authority Operations throughout the period July 1, 2015 to June 30, 2016

November 21, 2016

Korea Electronic Certification Authority, Inc. ("CrossCert") operates as a Certification Authority (CA) known as CrossCert-CA. CrossCert, as a subordinate CA of Symantec Corporation., provides the following CA services:

- Subscriber registration
- Certificate rekev
- Certificate issuance
- Certificate distribution
- Certificate revocation
- Certificate validation
- Subscriber key management

The management of CrossCert is responsible for establishing and maintaining effective controls over its CA operations, including <u>CA business practices disclosure</u> on its website, CA business practices management, CA environmental controls, CA key lifecycle management controls, subscriber 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 CrossCert's Certification Authority operations. Furthermore, because of changes in conditions, the effectiveness of controls may vary over time.

CrossCert management has assessed its disclosures of its certificate practices and controls over its CA services. Based on that assessment, in CrossCert management's opinion, in providing its Certification Authority (CA) services at Republic of Korea, CrossCert-CA, throughout the period July 1, 2015 to June 30, 2016, CrossCert has:

- disclosed its Business, key lifecycle management, certificate lifecycle management, and CA environmental control practices in its:
 - o CrossCert Certificate Practice Statement Version 3.8.8,
- · maintained effective controls to provide reasonable assurance that:
 - CrossCert provides its services in accordance with its 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 (for the registration activities performed by CrossCert); and
 - o subordinate CA certificate requests are accurate, authenticated, and approved
- maintained effective controls to provide reasonable assurance that:
 - o logical and physical access to CA systems and data is restricted to authorized individuals;
 - o 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 WebTrust Principles and Criteria for Certification Authorities, Version 2.0., including the following:

CA Business Practices Disclosure

Certification Practice Statement (CPS)

CA Business Practices Management

- Certification Practice Statement Management
- CP and CPS Consistency

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 Kev 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



Subscriber Key Lifecycle Management Controls

- CA-Provided Subscriber Key Generation Services
- CA-Provided Subscriber Key Storage and Recovery Services
- Requirements for Subscriber Key Management

Certificate Lifecycle Management Controls

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

Richard H. Shinn

CEO CrossCert