Report on Management's Assertion Related to the Point-in-time Extended Validation SSL Examination as of April 29, 2020

Apple Inc.

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Report of Independent Accountants

To the management of Apple Inc.:

We have examined the accompanying assertion made by the management of Apple Inc. ("Apple"), titled "Apple Inc's Management's Assertion", for Apple's Extended Validation ("EV SSL") Certification Authority ("CA") services in Cupertino, California as of April 29, 2020 for the Subordinate CA(s) under external Root CAs as listed in **Appendix A**.

Apple has:

- disclosed its extended validation SSL ("EV SSL") certificate lifecycle management business practices in its:
  - Apple Public CA CPS v5.0

- maintained effective controls to provide reasonable assurance that:
  - The integrity of keys and EV SSL certificates it manages is established and protected throughout their lifecycles; and
  - EV SSL subscriber information is properly authenticated

based on WebTrust Principles and Criteria for Certification Authorities (CA) – Extended Validation SSL - Version 1.6.8.

Apple's management is responsible for its assertion and for specifying the aforementioned Criteria. 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 AICPA. Those standards require that we plan and perform our 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, which includes: (1) obtaining an understanding of Apple's key and certificate life cycle management business practices, policies, processes and controls, and its suitability of the design and implementation of the controls intended to achieve the Criteria and examining evidence supporting management's assertion and performing such other procedures over key and certificate integrity, over the authenticity and confidentiality of subscriber and relying party information, over the continuity of key and certificate life cycle management operations, and over the development, maintenance and operation of systems integrity as we considered necessary in the circumstances; (2) selectively 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. The nature, timing, and extent of the procedures selected depend on our judgment, including an assessment of the risk of material misstatement, whether due to fraud or error.

We believe that the evidence we obtained, and our examination procedures are sufficient and appropriate to provide a reasonable basis for our opinion.

In our opinion, as of June 12, 2020 Apple Inc.'s Assertion, as referred to above, is fairly stated, in all material respects, based on WebTrust Principles and Criteria for Certification Authorities (CA) – Extended Validation SSL - Version 1.6.8.

This report does not include any representation as to the quality of Apple's services beyond those covered by WebTrust Principles and Criteria for Certification Authorities (CA) – Extended Validation SSL - Version 1.6.8, nor the suitability of any of Apple's services for any customer's intended purpose.

This report is intended solely for the information and use of Apple Inc. management, representatives of the browsers, and representatives of the trust stores, and should not be used by anyone other than these specified parties.

Ernst & Young LLP

Ernst & Young LLP
12 June 2020

Apple Inc's Management's Assertion

Apple Inc. (Apple) operates the Certification Authority ("CA") services for the Subordinate CA(s) under external Root CAs as listed in Appendix A. and provides Extended Validation SSL ("EV SSL") Certification Authority ("CA") services.

Apple Management is responsible for establishing and maintaining effective controls over its CA operations, including its CA business practices disclosure 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.

Controls have inherent limitations, including the possibility of human error and the circumvention or overriding of controls. Accordingly, even effective controls can provide only reasonable assurance with respect to Apple's CA operations. Furthermore, because of changes in conditions, the effectiveness of controls may vary over time.

Apple management has assessed its disclosures of its certificate practices and controls over its EV SSL CA services. Based on that assessment, in management's opinion, in providing its EV SSL CA services in Cupertino, California, as of as of April 29, 2020.

Apple has:

- disclosed its extended validation SSL ("EV SSL") certificate lifecycle management business practices in its:
    - Apple Public CA CPS v5.0

- Maintained effective controls to provide reasonable assurance that:
    - The integrity of keys and EV SSL certificates it manages is established and protected throughout their lifecycles; and
    - EV SSL subscriber information is properly authenticated

based on WebTrust Principles and Criteria for Certification Authorities (CA) – Extended Validation SSL - Version 1.6.8.

Apple Inc.
June 12, 2020

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Appendix A

Subordinate Distinguished Name	Subject Key Identifier	Certificate Serial Number	SHA-256 Fingerprint
Apple Public EV Server RSA CA 2 - G1 CN= Apple Public EV Server RSA CA 2 - G1 O= Apple Inc. C= US	5055AB43A1AFA9482B5AC1A2878904E47A0ECADA	07177911005D2267F68892F68F8B5058	D6EF3E09EBE0D9370E51F5C09A532B3AC70D3CE822253F9FC84C28E9BFA550D5
Apple Public EV Server RSA CA 1 - G1 CN= Apple Public EV Server RSA CA 1 - G1 O= Apple Inc. C= US	D3BDC13CA0CF35B934C5D4DBDA100E4CDE6AFE58	04F22ECC21FCB4382AC28B8F2D641FC0	340CA5BA402D140B65A2C976E7AE8128A1505C29D190E0E034F59CCAE7A92BC2
Apple Public EV Server ECC CA 1 - G1 CN= Apple Public EV Server ECC CA 1 - G1 O= Apple Inc. C= US	E085487D13A6D310199F5CCB6B782492F8AE1BAE	0CABAAD1CEC4E97CC2665881D02138F7	2585928D2C5BFD952E025BD12E27C6776224CF752EC362D3031CDD49351844D4

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