REPORT OF THE INDEPENDENT ACCOUNTANT

To the management of Amazon Trust Services, LLC ("ATS"):

We have examined ATS management's assertion that for its Certification Authority ("CA") operations in the United States of America, throughout the period January 16, 2018 to January 15, 2019 for its CAs as enumerated in Attachment B, ATS has:

- disclosed its extended validation SSL ("EV SSL") certificate lifecycle management business practices in the applicable versions of its Certificate Practice Statement and Certificate Policy enumerated in Attachment A, including its commitment to provide EV SSL certificates in conformity with the CA/Browser Forum Guidelines on the ATS repository, and provided such services in accordance with its disclosed practices

- 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 the WebTrust Principles and Criteria for Certification Authorities – Extended Validation SSL v1.6.2. ATS' 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 ATS 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.

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, ATS' 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.

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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 ATS' services other than its CA services in United States of America, nor the suitability of any of ATS' services for any customer's intended purpose.

ATS' use of the WebTrust for Certification Authorities – Extended Validation SSL 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.

BDO USA, LLP

St. Louis, Missouri
April 8, 2019

ATTACHMENT A – IN-SCOPE CERTIFICATION PRACTICE STATEMENT AND CERTIFICATE POLICY VERSIONS

Amazon Trust Services, LLC Certification Practice Statement and Certificate Policy Versions in Scope

Policy Name	Version	Date
Amazon Trust Services Certification Practice Statement	1.0.7	April 13, 2018
Amazon Trust Services Certification Practice Statement	1.0.6	January 15, 2018
Amazon Trust Services Certificate Policy	1.0.6	April 13, 2018
Amazon Trust Services Certificate Policy	1.0.5	January 15, 2018

ATTACHMENT B – IN-SCOPE CAs

Root CAs	Serial Number	SHA1 Thumbprint	SHA2 Thumbprint
CN=Amazon Root CA 1,O=Amazon,C=US	06 6c 9f cf 99 bf 8c 0a 39 e2 f0 78 8a 43 e6 96 36 5b ca	8d a7 f9 65 ec 5e fc 37 91 0f 1c 6e 59 fd c1 cc 6a 6e de 16	8e cd e6 88 4f 3d 87 b1 12 5b a3 1a c3 fc b1 3d 70 16 de 7f 57 cc 90 4f e1 cb 97 c6 ae 98 19 6e
CN=Amazon Root CA 2,O=Amazon,C=US	06 6c 9f d2 96 35 86 9f 0a 0f e5 86 78 f8 5b 26 bb 8a 37	5a 8c ef 45 d7 a6 98 59 76 7a 8c 8b 44 96 b5 78 cf 47 4b 1a	1b a5 b2 aa 8c 65 40 1a 82 96 01 18 f8 0b ec 4f 62 30 4d 83 ce c4 71 3a 19 c3 9c 01 1e a4 6d b4
CN=Amazon Root CA 3,O=Amazon,C=US	06 6c 9f d5 74 97 36 66 3f 3b 0b 9a d9 e8 9e 76 03 f2 4a	0d 44 dd 8c 3c 8c 1a 1a 58 75 64 81 e9 0f 2e 2a ff b3 d2 6e	18 ce 6c fe 7b f1 4e 60 b2 e3 47 b8 df e8 68 cb 31 d0 2e bb 3a da 27 15 69 f5 03 43 b4 6d b3 a4
CN=Amazon Root CA 4,O=Amazon,C=US	06 6c 9f d7 c1 bb 10 4c 29 43 e5 71 7b 7b 2c c8 1a c1 0e	f6 10 84 07 d6 f8 bb 67 98 0c c2 e2 44 c2 eb ae 1c ef 63 be	e3 5d 28 41 9e d0 20 25 cf a6 90 38 cd 62 39 62 45 8d a5 c6 95 fb de a3 c2 2b 0b fb 25 89 70 92
CN=Starfield Services Root Certificate Authority - G2,O=Starfield Technologies, Inc.,L=Scottsdale,ST=Arizona,C=US	00	92 5a 8f 8d 2c 6d 04 e0 66 5f 59 6a ff 22 d8 63 e8 25 6f 3f	56 8d 69 05 a2 c8 87 08 a4 b3 02 51 90 ed cf ed b1 97 4a 60 6a 13 c6 e5 29 0f cb 2a e6 3e da b5

Other CAs	Serial Number	SHA1 Thumbprint	SHA2 Thumbprint
CN=Amazon,OU=Server CA 0A,O=Amazon,C=US	06 7f 94 57 4b b7 07 5d 3e 48 96 5c 78 32 24 aa 75 4f ed	fe 19 62 07 e8 36 b7 16 72 89 cd b1 f9 12 b5 07 c5 9c 3f c1	df cc 77 5c 64 4d b4 a3 3a d7 12 93 43 3f 46 3c 8e 31 05 7c e2 2c b2 67 f9 d3 1a 03 53 f4 fc 2f
CN=Amazon,OU=Server CA 1A,O=Amazon,C=US	06 7f 94 57 50 8c 64 8c 09 ca 65 2e 71 79 18 30 e7 25 92	10 18 8c 71 0f c3 2d 05 e0 75 8a 2f 5b 70 f8 ff a8 f0 f7 77	39 c7 63 a9 cf 19 d9 23 f9 77 d2 36 26 ab 89 04 49 a4 44 ab 8b 79 5c 81 5e f1 ef 81 fe bc 1e 38
CN=Amazon,OU=Server CA 2A,O=Amazon,C=US	06 7f 94 57 55 f1 87 a9 1f 81 63 f3 e6 24 62 01 77 ff 38	1c ec 96 ae 3d 32 91 42 53 df 97 5f 82 aa e8 3c 9e 8a a3 4d	72 13 0e 3b 28 90 03 49 21 46 17 f4 d6 f3 fb 85 d0 84 75 ee 78 bf 09 5c 59 45 8a 14 d1 82 88 66
CN=Amazon,OU=Server CA 3A,O=Amazon,C=US	06 7f 94 57 58 fe 55 b9 ee 3f 75 83 1d 47 f0 7d 22 6c 8a	46 54 d1 6b fb 1f 55 16 01 0b b1 e3 a2 54 45 fd 06 d7 9f 6d	20 51 54 b7 77 ed c5 5a 51 46 58 5a 5e 54 e0 54 a7 0b e4 aa d3 b8 5d 02 31 8d a2 7b f8 07 ad f1

| CN=Amazon,OU=Server CA 4A,O=Amazon,C=US | 06 7f 94 57 5a 88 62 a9 07 2e 32 39 c3 7c eb a1 27 4e 18 | f0 e7 a2 72 b0 b8 1d dc 46 e1 bd b7 ca 01 a6 08 58 d2 ec 85 | 7b ed 29 27 6a cb ed 9f 17 6f 38 bb a3 a6 7c e5 81 5b 5c bf 15 22 c7 bb 59 ec d8 6b 09 e1 6e d2 |

Note: Amazon Trust Services assumed operation of Starfield Services Root Certificate Authority - G2 ("SFSG2") on June 10, 2015. Starfield Technologies operated SFSG2 prior to June 10, 2015 and was responsible for the key generation for SFSG2.

Amazon Trust Services, LLC Management's Assertion

Amazon Trust Services, LLC ("ATS") operates the Certification Authority ("CA") services for the CAs enumerated in Attachment B, and provides Extended Validation SSL ("EV SSL") Certification Authority ("CA") services.

ATS management has assessed its disclosures of its certificate practices and controls over its EV SSL CA services. Based on that assessment, in providing its EV SSL CA services in the United States of America, throughout the period January 16, 2018 to January 15, 2019, ATS has:

- disclosed its EV SSL certificate lifecycle management business practices in the applicable versions of its Certificate Practice Statement and Certificate Policy enumerated in Attachment A including its commitment to provide EV SSL certificates in conformity with the CA/Browser Forum Requirements on the ATS repository, and provided such services in accordance with its disclosed practices

- maintained effective controls to provide reasonable assurance that:
  - o the integrity of keys and EV SSL certificates it manages is established and protected throughout their lifecycles; and
  - o EV SSL subscriber information is properly authenticated for the registration activities performed by ATS

based on the WebTrust Principles and Criteria for Certification Authorities – Extended Validation SSL v1.6.2.

Jonathan Kozolchyk

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Jonathan Kozolchyk
Vice President
Amazon Trust Services LLC

April 8, 2019

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Root CAs	Serial Number	SHA1 Thumbprint	SHA2 Thumbprint
CN=Amazon Root CA 1,O=Amazon,C=US	06 6c 9f cf 99 bf 8c 0a 39 e2 f0 78 8a 43 e6 96 36 5b ca	8d a7 f9 65 ec 5e fc 37 91 0f 1c 6e 59 fd c1 cc 6a 6e de 16	8e cd e6 88 4f 3d 87 b1 12 5b a3 1a c3 fc b1 3d 70 16 de 7f 57 cc 90 4f e1 cb 97 c6 ae 98 19 6e
CN=Amazon Root CA 2,O=Amazon,C=US	06 6c 9f d2 96 35 86 9f 0a 0f e5 86 78 f8 5b 26 bb 8a 37	5a 8c ef 45 d7 a6 98 59 76 7a 8c 8b 44 96 b5 78 cf 47 4b 1a	1b a5 b2 aa 8c 65 40 1a 82 96 01 18 f8 0b ec 4f 62 30 4d 83 ce c4 71 3a 19 c3 9c 01 1e a4 6d b4
CN=Amazon Root CA 3,O=Amazon,C=US	06 6c 9f d5 74 97 36 66 3f 3b 0b 9a d9 e8 9e 76 03 f2 4a	0d 44 dd 8c 3c 8c 1a 1a 58 75 64 81 e9 0f 2e 2a ff b3 d2 6e	18 ce 6c fe 7b f1 4e 60 b2 e3 47 b8 df e8 68 cb 31 d0 2e bb 3a da 27 15 69 f5 03 43 b4 6d b3 a4
CN=Amazon Root CA 4,O=Amazon,C=US	06 6c 9f d7 c1 bb 10 4c 29 43 e5 71 7b 7b 2c c8 1a c1 0e	f6 10 84 07 d6 f8 bb 67 98 0c c2 e2 44 c2 eb ae 1c ef 63 be	e3 5d 28 41 9e d0 20 25 cf a6 90 38 cd 62 39 62 45 8d a5 c6 95 fb de a3 c2 2b 0b fb 25 89 70 92
CN=Starfield Services Root Certificate Authority - G2,O=Starfield Technologies, Inc.,L=Scottsdale,ST=Arizona,C=US	00	92 5a 8f 8d 2c 6d 04 e0 66 5f 59 6a ff 22 d8 63 e8 25 6f 3f	56 8d 69 05 a2 c8 87 08 a4 b3 02 51 90 ed cf ed b1 97 4a 60 6a 13 c6 e5 29 0f cb 2a e6 3e da b5

Other CAs	Serial Number	SHA1 Thumbprint	SHA2 Thumbprint
CN=Amazon,OU=Server CA 0A,O=Amazon,C=US	06 7f 94 57 4b b7 07 5d 3e 48 96 5c 78 32 24 aa 75 4f ed	fe 19 62 07 e8 36 b7 16 72 89 cd b1 f9 12 b5 07 c5 9c 3f c1	df cc 77 5c 64 4d b4 a3 3a d7 12 93 43 3f 46 3c 8e 31 05 7c e2 2c b2 67 f9 d3 1a 03 53 f4 fc 2f
CN=Amazon,OU=Server CA 1A,O=Amazon,C=US	06 7f 94 57 50 8c 64 8c 09 ca 65 2e 71 79 18 30 e7 25 92	10 18 8c 71 0f c3 2d 05 e0 75 8a 2f 5b 70 f8 ff a8 f0 f7 77	39 c7 63 a9 cf 19 d9 23 f9 77 d2 36 26 ab 89 04 49 a4 44 ab 8b 79 5c 81 5e f1 ef 81 fe bc 1e 38
CN=Amazon,OU=Server CA 2A,O=Amazon,C=US	06 7f 94 57 55 f1 87 a9 1f 81 63 f3 e6 24 62 01 77 ff 38	1c ec 96 ae 3d 32 91 42 53 df 97 5f 82 aa e8 3c 9e 8a a3 4d	72 13 0e 3b 28 90 03 49 21 46 17 f4 d6 f3 fb 85 d0 84 75 ee 78 bf 09 5c 59 45 8a 14 d1 82 88 66
CN=Amazon,OU=Server CA 3A,O=Amazon,C=US	06 7f 94 57 58 fe 55 b9 ee 3f 75 83 1d 47 f0 7d 22 6c 8a	46 54 d1 6b fb 1f 55 16 01 0b b1 e3 a2 54 45 fd 06 d7 9f 6d	20 51 54 b7 77 ed c5 5a 51 46 58 5a 5e 54 e0 54 a7 0b e4 aa d3 b8 5d 02 31 8d a2 7b f8 07 ad f1

| CN=Amazon,OU=Server CA 4A,O=Amazon,C=US | 06 7f 94 57 5a 88 62 a9 07 2e 32 39 c3 7c eb a1 27 4e 18 | f0 e7 a2 72 b0 b8 1d dc 46 e1 bd b7 ca 01 a6 08 58 d2 ec 85 | 7b ed 29 27 6a cb ed 9f 17 6f 38 bb a3 a6 7c e5 81 5b 5c bf 15 22 c7 bb 59 ec d8 6b 09 e1 6e d2 |

Note: Amazon Trust Services assumed operation of Starfield Services Root Certificate Authority - G2 ("SFSG2") on June 10, 2015. Starfield Technologies operated SFSG2 prior to June 10, 2015 and was responsible for the key generation for SFSG2.