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REPORT OF THE INDEPENDENT ACCOUNTANT

To the management of SecureTrust,

We have examined SecureTrust, a Trustwave Holdings, Inc. division ("SecureTrust"), management's [assertion](#) that for its Certification Authority ("CA") operations at Chicago, Illinois in the United States of America, throughout the period October 1, 2018 to September 30, 2019 for its CAs enumerated in [Attachment B](#), SecureTrust has:

- disclosed its extended validation SSL ("EV SSL") certificate lifecycle management business practices in the applicable versions of its SecureTrust Certificate Policy and Certification Practices Statement enumerated in [Attachment A](#), including its commitment to provide EV SSL certificates in conformity with the CA/Browser Forum Guidelines on its [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](#). SecureTrust's 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 SecureTrust 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, SecureTrust'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.

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In our opinion management's assertion, as referred to above, is fairly stated, in all material respects.

Without modifying our opinion, we noted the following other matter during our procedures:

| Matter Topic | | Matter Description |
|--------------|-------------------|---|
| 1 | Certificate Audit | One quarterly self-assessment completed by SecureTrust of at least three percent of certificates issued was not performed in a timely manner. |

This report does not include any representation as to the quality of SecureTrust's services other than its CA operations at Chicago, Illinois, nor the suitability of any of SecureTrust's services for any customer's intended purpose.

BDS USA, LLP

St. Louis, Missouri
November 19, 2019



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

| Policy Name | Policy Version | Policy Date |
|--|----------------|-------------------|
| SecureTrust Certificate Policy and Certification Practices Statement | Version 6.0 | April 24, 2019 |
| Trustwave Certificate Policy and Certification Practices Statement | Version 5.2 | November 14, 2018 |
| Trustwave Certificate Policy and Certification Practices Statement | Version 5.1 | October 1, 2018 |



ATTACHMENT B - IN-SCOPE CAs

Root CAs

| Subject DN | SHA2 Thumbprint | Valid From | Valid To |
|--|--|------------|------------|
| CN = XRamp Global Certification Authority O = XRamp Security Services Inc OU = www.xrampsecurity.com C = US | CECDDC905099D8DADFC5B1D209B737CBE2C18CFB2C10C0FF0BCF0D3286FC1AA2 | 11/1/2004 | 1/1/2035 |
| CN = SecureTrust CA O = SecureTrust Corporation C = US | F1C1B50AE5A20DD8030EC9F6BC24823DD367B5255759B4E71B61FCE9F7375D73 | 11/7/2006 | 12/31/2029 |
| CN = Secure Global CA O = SecureTrust Corporation C = US | 4200F5043AC8590EBB527D209ED1503029FBCBD41CA1B506EC27F15ADE7DAC69 | 11/7/2006 | 12/31/2029 |
| CN = Trustwave Global Certification Authority O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US | 97552015F5DDFC3C8788C006944555408894450084F100867086BC1A2BB58DC8 | 8/23/2017 | 8/23/2042 |



| Subject DN | SHA2 Thumbprint | Valid From | Valid To |
|---|--|------------|-----------|
| CN = Trustwave Global ECC P256 Certification Authority O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US | 945BBC825EA554F489D1FD51A73DDF2EA624AC7019A05205225C22A78CCFA8B4 | 8/23/2017 | 8/23/2042 |
| CN = Trustwave Global ECC P384 Certification Authority O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US | 55903859C8C0C3EBB8759ECE4E2557225FF5758BBD38EBD48276601E1BD58097 | 8/23/2017 | 8/23/2042 |



SSL/TLS Issuing CAs

| Subject DN | SHA2 Thumbprint | Valid From | Valid To |
|--|--|------------|------------|
| E = ca@trustwave.com CN = Trustwave Extended Validation SHA256 CA, Level 1 O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US | EEA36C0FFA3F54FFDB0CF14B3BD34A53EC7B775F54053DD8B07DFD2F8BEC9083 | 10/13/2014 | 10/10/2024 |
| E = ca@trustwave.com CN = Trustwave Extended Validation SHA256 CA, Level 1 O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US | 49C58270F70F1BE0B7C19D1BC2C2EBC41E2FDE0D4885D4FA65EF0370ACEC7A00 | 9/1/2016 | 9/29/2024 |
| E = ca@trustwave.com CN = Trustwave Secure Global Extended Validation CA, Level 1 O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US | 45B2B08E1B58948A028BE13A67C0E20D4B2466AE2B6EC6250EBB10FD6B7F8239 | 8/12/2015 | 8/9/2025 |
| E = ca@trustwave.com CN = Trustwave XRamp Global Extended Validation CA, Level 1 O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US | 1D0CD7EF3C19265508E20E58B3538964F4A11ADEC8A71D8AB8A8AFF15683C6AE | 8/12/2015 | 8/9/2025 |



| Subject DN | SHA2 Thumbprint | Valid From | Valid To |
|---|--|------------|-----------|
| C = US S = Illinois L = Chicago O = SecureTrust CN = SecureTrust Extended Validation CA, Level 1 | DD23355C61D59970423004729795CAEF77AFDB39767A795740D4E04CB6158A99 | 1/29/2019 | 1/29/2029 |
| C = US S = Illinois L = Chicago O = Trustwave Holdings, Inc. CN = Trustwave Global Extended Validation CA, Level 1 | 18626A3B7211128D563469C654557D13C9366D7FCEC8B94DB4F0AA7E05944041 | 2/6/2018 | 2/24/2028 |
| C = US S = Illinois L = Chicago O = Trustwave Holdings, Inc. CN = Trustwave Global ECDSA P-256 Extended Validation CA, Level 1 | 275BF0046E0270178B13B67E4DB150A10197CB71F9A061FAD36B3D76639FE186 | 2/6/2018 | 2/24/2028 |
| C = US S = Illinois L = Chicago O = Trustwave Holdings, Inc. CN = Trustwave Global ECDSA P-384 Extended Validation CA, Level 1 | 29F8E104DF38E612BF4F505365B5D0B0B20DD4E89C908306484EB8374C1E66D8 | 2/6/2018 | 2/24/2028 |

SECURETRUST MANAGEMENT'S ASSERTION

SecureTrust, a Trustwave Holdings, Inc. division ("SecureTrust"), operates the Certification Authority ("CA") services for its CAs enumerated in [Attachment B](#), and provides Extended Validation SSL ("EV SSL") CA services.

The management of SecureTrust is responsible for establishing and maintaining effective controls over its EV SSL CA operations, including its EV SSL CA business practices disclosure in its [repository](#), EV SSL key lifecycle management controls, and EV SSL 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 SecureTrust's CA operations. Furthermore, because of changes in conditions, the effectiveness of controls may vary over time.

SecureTrust management has assessed its disclosures of its certificate practices and controls over its EV SSL CA services. Based on that assessment, in SecureTrust management's opinion, in providing its EV SSL CA services at Chicago, Illinois, in the United States of America, throughout the period October 1, 2018 to September 30, 2019, SecureTrust has:

- disclosed its extended validation SSL ("EV SSL") certificate lifecycle management business practices in the applicable versions of its SecureTrust Certificate Policy and Certification Practices Statement enumerated in [Attachment A](#), including its commitment to provide EV SSL certificates in conformity with the CA/Browser Forum Guidelines on its [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 (for the registration activities performed by SecureTrust)

based on the [WebTrust Principles and Criteria for Certification Authorities - Extended Validation SSL v1.6.2](#).



Tom Wallace
Chief Operating Officer, SecureTrust
November 19, 2019

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| CN = SecureTrust CA O = SecureTrust Corporation C = US | F1C1B50AE5A20DD8030EC9F6BC24823DD367B5255759B4E71B61FCE9F7375D73 | 11/7/2006 | 12/31/2029 |
| CN = Secure Global CA O = SecureTrust Corporation C = US | 4200F5043AC8590EBB527D209ED1503029FBCBD41CA1B506EC27F15ADE7DAC69 | 11/7/2006 | 12/31/2029 |
| CN = Trustwave Global Certification Authority O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US | 97552015F5DDFC3C8788C006944555408894450084F100867086BC1A2BB58DC8 | 8/23/2017 | 8/23/2042 |

| Subject DN | SHA2 Thumbprint | Valid From | Valid To |
|--|--|------------|-----------|
| CN = Trustwave Global ECC P256 Certification Authority O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US | 945BBC825EA554F489D1FD51A73DDF2EA624AC7019A05205225C22A78CCFA8B4 | 8/23/2017 | 8/23/2042 |
| CN = Trustwave Global ECC P384 Certification Authority O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US | 55903859C8C0C3EBB8759ECE4E2557225FF5758BBD38EBD48276601E1BD58097 | 8/23/2017 | 8/23/2042 |

SSL/TLS Issuing CAs

| Subject DN | SHA2 Thumbprint | Valid From | Valid To |
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| E = ca@trustwave.com CN = Trustwave Extended Validation SHA256 CA, Level 1 O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US | EEA36C0FFA3F54FFDB0CF14B3BD34A53EC7B775F54053DD8B07DFD2F8BEC9083 | 10/13/2014 | 10/10/2024 |
| E = ca@trustwave.com CN = Trustwave Extended Validation SHA256 CA, Level 1 O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US | 49C58270F70F1BE0B7C19D1BC2C2EBC41E2FDE0D4885D4FA65EF0370ACEC7A00 | 9/1/2016 | 9/29/2024 |
| E = ca@trustwave.com CN = Trustwave Secure Global Extended Validation CA, Level 1 O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US | 45B2B08E1B58948A028BE13A67C0E20D4B2466AE2B6EC6250EBB10FD6B7F8239 | 8/12/2015 | 8/9/2025 |
| E = ca@trustwave.com CN = Trustwave XRamp Global Extended Validation CA, Level 1 O = Trustwave Holdings, Inc. L = Chicago S = Illinois C = US | 1D0CD7EF3C19265508E20E58B3538964F4A11ADEC8A71D8AB8A8AFF15683C6AE | 8/12/2015 | 8/9/2025 |
| C = US S = Illinois L = Chicago O = SecureTrust CN = SecureTrust Extended Validation CA, Level 1 | DD23355C61D59970423004729795CAEF77AFDB39767A795740D4E04CB6158A99 | 1/29/2019 | 1/29/2029 |

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| C = US S = Illinois L = Chicago O = Trustwave Holdings, Inc. CN = Trustwave Global Extended Validation CA, Level 1 | 18626A3B7211128D563469C654557D13C9366D7FCEC8B94DB4F0AA7E05944041 | 2/6/2018 | 2/24/2028 |
| C = US S = Illinois L = Chicago O = Trustwave Holdings, Inc. CN = Trustwave Global ECDSA P-256 Extended Validation CA, Level 1 | 275BF0046E0270178B13B67E4DB150A10197CB71F9A061FAD36B3D76639FE186 | 2/6/2018 | 2/24/2028 |
| C = US S = Illinois L = Chicago O = Trustwave Holdings, Inc. CN = Trustwave Global ECDSA P-384 Extended Validation CA, Level 1 | 29F8E104DF38E612BF4F505365B5D0B0B20DD4E89C908306484EB8374C1E66D8 | 2/6/2018 | 2/24/2028 |