**BDO**

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# REPORT OF THE INDEPENDENT ACCOUNTANT

To the management of DigiCert, Inc. ("DigiCert"):

We have examined DigiCert management's assertion that for its Symantec, GeoTrust, and Thawte branded Certification Authority ("CA") operations at Mountain View, California, USA; New Castle, Delaware, USA; Melbourne, Australia; Sydney, Australia; Cape Town, South Africa; Dublin, Ireland; Sapporo, Japan; and Kawasaki-shi, Japan, throughout the period November 1, 2017 to October 31, 2018 for CAs as enumerated in Attachment B, DigiCert has:

- disclosed its extended validation code signing ("EV CS") certificate lifecycle management business practices in its Symantec, GeoTrust, and Thawte Certification Practices Statements, DigiCert Certificate Policy for Symantec Trust Network (STN) as enumerated in Attachment A, including its commitment to provide EV CS certificates in conformity with the CA/Browser Forum Guidelines on the DigiCert website, and provided such services in accordance with its disclosed practices

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

- maintained effective controls to provide reasonable assurance that:
    - requests for EV CS Signing Authority and EV CS Timestamp Authority certificates are properly authenticated; and
    - certificates issued to EV CS Signing Authorities and EV CS Timestamp Authorities are not valid for a period longer than specified by the CA/Browser Forum

- maintained effective controls to provide reasonable assurance that its EV CS Signing Authority and EV CS Timestamp Authority are operated in conformity with CA/Browser Forum Guidelines

based on the WebTrust Principles and Criteria for Certification Authorities – Extended Validation Code Signing v1.4.1. DigiCert'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 DigiCert 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.

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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, DigiCert'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 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 DigiCert's services other than its Symantec, GeoTrust, and Thawte branded CA operations at Mountain View, California, USA; New Castle, Delaware, USA; Melbourne, Australia; Sydney, Australia; Cape Town, South Africa; Dublin, Ireland; Sapporo, Japan; and Kawasaki-shi, Japan, nor the suitability of any of DigiCert's services for any customer's intended purpose.

DigiCert's use of the WebTrust for Certification Authorities – Extended Validation Code Signing 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
January 29, 2019

**Attachment A – Certification Practice Statement and Certificate Policy Versions In-Scope**

| Policy Name | Version | Date |
|---|---|---|
| DigiCert Certification Practices Statement for Symantec Trust Network (STN) | 3.9 | September 11, 2018 |
| Symantec Trust Network (STN) Certification Practice Statement | 3.8.28 | September 8, 2017 |
| DigiCert Certification Practices Statement for GeoTrust, RapidSSL and FreeSSL | 1.2 | September 11, 2018 |
| GeoTrust Certification Practices Statement | 1.1.21 | September 8, 2017 |
| DigiCert Certification Practices Statement for Thawte | 3.7.19 | September 11, 2018 |
| thawte Certification Practice Statement | 3.7.18 | September 8, 2017 |
| DigiCert Certificate Policy for Symantec Trust Network (STN) | 2.9 | September 11, 2018 |
| Symantec Trust Network (STN) Certificate Policy | 2.8.24 | September 8, 2017 |

## Attachment B – List of CAs In-Scope

| Root CA | Serial Number | SHA1 Thumbprint | SHA2 Thumbprint |
|---|---|---|---|
| C=US, O=GeoTrust Inc., OU=(c) 2008 GeoTrust Inc. - For authorized use only, CN=GeoTrust Primary Certification Authority - G3 | 15AC6E9419B2794B41F6 27A9C3180F1F | 03:9E:ED:B8:0B:E7:A0:3C:69 :53:89:3B:20:D2:D9:32:3A:4 C:2A:FD | B4:78:B8:12:25:0D:F8:78:63: 5C:2A:A7:EC:7D:15:5E:AA:62 :5E:E8:29:16:E2:CD:29:43:6 1:88:6C:D1:FB:D4 |
| C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 2008 VeriSign, Inc. - For authorized use only, CN=VeriSign Universal Root Certification Authority | 401AC46421B31321030E BBE4121AC51D | 36:79:CA:35:66:87:72:30:4D :30:A5:FB:87:3B:0F:A7:7B:B 7:0D:54 | 23:99:56:11:27:A5:71:25:DE: 8C:EF:EA:61:0D:DF:2F:A0:78 :B5:C8:06:7F:4E:82:82:90:BF :B8:60:E8:4B:3C |
| C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 2006 VeriSign, Inc. - For authorized use only, CN=VeriSign Class 3 Public Primary Certification Authority - G5 | 18DAD19E267DE8BB4A2 158CDCC6B3B4A | 4E:B6:D5:78:49:9B:1C:CF:5F :58:1E:AD:56:BE:3D:9B:67:4 4:A5:E5 | 9A:CF:AB:7E:43:C8:D8:80:D0 :6B:26:2A:94:DE:EE:E4:B4:6 5:99:89:C3:D0:CA:F1:9B:AF: 64:05:E4:1A:B7:DF |
| C=US, O=thawte, Inc., OU=Certification Services Division, OU=(c) 2008 thawte, Inc. - For authorized use only, CN=thawte Primary Root CA - G3 | 600197B746A7EAB4B49A D64B2FF790FB | F1:8B:53:8D:1B:E9:03:B6:A6 :F0:56:43:5B:17:15:89:CA:F 3:6B:F2 | 4B:03:F4:58:07:AD:70:F2:1B :FC:2C:AE:71:C9:FD:E4:60:4 C:06:4C:F5:FF:B6:86:BA:E5: DB:AA:D7:FD:D3:4C |

| Class 3 CA | Serial Number | SHA1 Thumbprint | SHA2 Thumbprint |
|---|---|---|---|
| C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Extended Validation Code Signing CA - G2 | 191A32CB759C97B8CFA C118DD5127F49 | 5B:8F:88:C8:0A:73:D3:5F:76 :CD:41:2A:9E:74:E9:16:59:4 D:FA:67 | F7:26:C8:89:13:36:B1:B9:7C :BC:86:F5:96:F1:26:7F:C1:8 0:15:21:22:57:3E:76:D5:14:5 A:7C:64:E2:CF:F7 |
| C=US, O=Symantec Corporation, CN=Symantec SAS EV Code Signing CA | 5D74EC40C72FA11E6B91 C2E5BAC472FF | 8E:F6:55:31:C8:88:7C:73:9E: 2B:BD:51:8A:37:FA:C2:CD:69 :0D:53 | E8:65:F5:83:A9:28:CC:B6:A7 :28:6B:94:E7:92:0E:E1:F4:99 :8C:03:0B:43:86:89:E9:58:3B :CC:D6:AC:52:61 |
| C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Extended Validation Code Signing CA - G3 | 2A953218E10B4B7B6FD1 4B2A9EC30D26 | E9:EA:87:52:65:C6:A3:39:11 :4B:3E:91:48:4E:E5:02:46:E4 :A7:06 | C2:67:DC:11:5D:57:DD:02:26 :27:9B:34:6D:F1:95:3D:D2:C 0:7A:85:CB:48:A0:D8:99:FD: 57:24:F5:AF:68:1F |
| C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Extended Validation Code Signing CA | 6C59EFA9E100E10EE306 BA8FE0292559 | F8:D2:C1:03:80:ED:A2:77:46 :55:E5:61:9D:B7:D0:2F:7D:9 E:85:0A | 16:9D:AF:83:C0:87:0A:B8:92 :7C:99:D3:FC:07:74:DD:F3:4 F:BA:28:B0:2B:88:1D:CD:0B: 63:3B:6D:71:B2:BA |
| C=US, O=thawte, Inc., CN=thawte EV Code Signing CA | 779A2BE6DEEDA2BFB90 2CA8E3668B9AF | B1:7E:FE:36:89:24:DF:F5:0A :91:9C:58:A6:A8:6E:F1:81:F A:C5:6E | F3:76:F6:E5:BF:66:0F:6B:ED :B7:68:DC:D1:30:3E:AD:D4:A 9:6F:2E:D7:A9:77:17:E8:78:F A:E6:BB:59:59:FA |

## DIGICERT, INC. MANAGEMENT'S ASSERTION

DigiCert, Inc. ("DigiCert") operates the Symantec, GeoTrust, and Thawte branded Certification Authority ("CA") services for its CAs as enumerated in Attachment B and provides extended validation code signing ("EV CS") CA services.

DigiCert management has assessed its disclosures of its certificate practices and controls over its EV CS CA services. Based on that assessment, in providing its EV CS CA services at Mountain View, California, USA; New Castle, Delaware, USA; Melbourne, Australia; Sydney, Australia; Cape Town, South Africa; Dublin, Ireland; Sapporo, Japan; and Kawasaki-shi, Japan, throughout the period November 1, 2017 to October 31, 2018, DigiCert has:

- disclosed its extended validation code signing ("EV CS") certificate lifecycle management business practices in its Symantec, GeoTrust, and Thawte Certification Practices Statements, DigiCert Certificate Policy for Symantec Trust Network (STN) as enumerated in Attachment A, including its commitment to provide EV CS certificates in conformity with the CA/Browser Forum Guidelines on the DigiCert website, and provided such services in accordance with its disclosed practices

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    o the integrity of keys and EV CS certificates it manages is established and protected throughout their lifecycles; and
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    o requests for EV CS Signing Authority and EV CS Timestamp Authority certificates are properly authenticated; and
    o certificates issued to EV CS Signing Authorities and EV CS Timestamp Authorities are not valid for a period longer than specified by the CA/Browser Forum

- maintained effective controls to provide reasonable assurance that its EV CS Signing Authority and EV CS Timestamp Authority are operated in conformity with CA/Browser Forum Guidelines

based on the WebTrust Principles and Criteria for Certification Authorities – Extended Validation Code Signing v1.4.1.

DigiCert, Inc.



Jeremy Rowley
Executive VP of Product
January 29, 2019

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| C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 2008 VeriSign, Inc. - For authorized use only, CN=VeriSign Universal Root Certification Authority | 401AC46421B31321030E BBE4121AC51D | 36:79:CA:35:66:87:72:30:4D :30:A5:FB:87:3B:0F:A7:7B:B 7:0D:54 | 23:99:56:11:27:A5:71:25:DE: 8C:EF:EA:61:0D:DF:2F:A0:78 :B5:C8:06:7F:4E:82:82:90:BF :B8:60:E8:4B:3C |
| C=US, O=VeriSign, Inc., OU=VeriSign Trust Network, OU=(c) 2006 VeriSign, Inc. - For authorized use only, CN=VeriSign Class 3 Public Primary Certification Authority - G5 | 18DAD19E267DE8BB4A2 158CDCC6B3B4A | 4E:B6:D5:78:49:9B:1C:CF:5F :58:1E:AD:56:BE:3D:9B:67:4 4:A5:E5 | 9A:CF:AB:7E:43:C8:D8:80:D0 :6B:26:2A:94:DE:EE:E4:B4:6 5:99:89:C3:D0:CA:F1:9B:AF: 64:05:E4:1A:B7:DF |
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| Class 3 CA | Serial Number | SHA1 Thumbprint | SHA2 Thumbprint |
|---|---|---|---|
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| C=US, O=Symantec Corporation, CN=Symantec SAS EV Code Signing CA | 5D74EC40C72FA11E6B91 C2E5BAC472FF | 8E:F6:55:31:C8:88:7C:73:9E: 2B:BD:51:8A:37:FA:C2:CD:69 :0D:53 | E8:65:F5:83:A9:28:CC:B6:A7 :28:6B:94:E7:92:0E:E1:F4:99 :8C:03:0B:43:86:89:E9:58:3B :CC:D6:AC:52:61 |
| C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Extended Validation Code Signing CA - G3 | 2A953218E10B4B7B6FD1 4B2A9EC30D26 | E9:EA:87:52:65:C6:A3:39:11 :4B:3E:91:48:4E:E5:02:46:E4 :A7:06 | C2:67:DC:11:5D:57:DD:02:26 :27:9B:34:6D:F1:95:3D:D2:C 0:7A:85:CB:48:A0:D8:99:FD: 57:24:F5:AF:68:1F |
| C=US, O=Symantec Corporation, OU=Symantec Trust Network, CN=Symantec Class 3 Extended Validation Code Signing CA | 6C59EFA9E100E10EE306 BA8FE0292559 | F8:D2:C1:03:80:ED:A2:77:46 :55:E5:61:9D:B7:D0:2F:7D:9 E:85:0A | 16:9D:AF:83:C0:87:0A:B8:92 :7C:99:D3:FC:07:74:DD:F3:4 F:BA:28:B0:2B:88:1D:CD:0B: 63:3B:6D:71:B2:BA |
| C=US, O=thawte, Inc., CN=thawte EV Code Signing CA | 779A2BE6DEEDA2BFB90 2CA8E3668B9AF | B1:7E:FE:36:89:24:DF:F5:0A :91:9C:58:A6:A8:6E:F1:81:F A:C5:6E | F3:76:F6:E5:BF:66:0F:6B:ED :B7:68:DC:D1:30:3E:AD:D4:A 9:6F:2E:D7:A9:77:17:E8:78:F A:E6:BB:59:59:FA |