



Tel: 314-889-1100

Fax: 314-889-1101

www.bdo.com

101 S Hanley Rd, #800

St. Louis, MO 63105

REPORT OF THE INDEPENDENT ACCOUNTANT

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

We have examined the assertions by the management of [DigiCert](#) and [VeriSign, Inc.](#) ("Verisign"), an independent service organization that provides datacenter housing services to DigiCert, that for its GeoTrust 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 its CAs as enumerated in [Attachment B](#), DigiCert has:

- disclosed its SSL certificate lifecycle management business practices in the applicable versions of its DigiCert Certificate Policy for Symantec Trust Network (STN) and DigiCert Certification Practices Statement for GeoTrust, RapidSSL and FreeSSL enumerated in [Attachment A](#), including its commitment to provide SSL certificates in conformity with the CA/Browser Forum Requirements on its [website](#), and provided such services in accordance with its disclosed practices
- maintained effective controls to provide reasonable assurance that:
 - the integrity of keys and SSL certificates it manages is established and protected throughout their lifecycles; and
 - SSL subscriber information is properly authenticated
- maintained effective controls to provide reasonable assurance that:
 - 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
- maintained effective controls to provide reasonable assurance that it meets the Network and Certificate System Security Requirements as set forth by the CA/Browser Forum

based on the [WebTrust Principles and Criteria for Certification Authorities - SSL Baseline with Network Security v2.2](#). DigiCert's and Verisign's management are responsible for their respective assertions. Our responsibility is to express an opinion on managements' assertions based on our examination.

The relative effectiveness and significance of specific controls at DigiCert and Verisign 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 managements' assertions are fairly stated, in all material respects. An examination involves performing procedures to obtain evidence about managements' assertions. The nature, timing, and extent of the procedures selected depend on our judgement, including an assessment of the risks of material misstatement of managements' assertions, 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 and Verisign'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 DigiCert's and Verisign's management assertions, as referred to above, are fairly stated, in all material respects.

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

Matter Topic		Matter Description
1	Disaster Recovery	DigiCert does not have documented disaster recovery procedures specific to the handling of offline CA operations and no test was conducted to determine the capabilities to recover offline CA operations from the secondary facility.
2	Penetration Testing	DigiCert did not perform a penetration test covering the Japan locations during the engagement. A penetration test was completed in March 2017 and not again until November 2018. The CA in this location was inactive during this engagement period.

This report does not include any representation as to the quality of DigiCert's or Verisign's services other than its GeoTrust 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 or Verisign's services for any customer's intended purpose.



DigiCert's use of the WebTrust for Certification Authorities - SSL Baseline with Network Security 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 GeoTrust, RapidSSL and FreeSSL	1.2	September 11, 2018
GeoTrust Certification Practices Statement	1.1.21	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	15AC6E9419B2794B41F627A9C3180F1F	03:9E:ED:B8:0B:E7:A0:3C:69:53:89:3B:20:D2:D9:32:3A:4C: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:29:43:61:88:6C:D1:FB:D4
C=US, O=GeoTrust Inc., CN=GeoTrust Primary Certification Authority	18ACB56AFD69B6153A636CAFDAFAC4A1	32:3C:11:8E:1B:F7:B8:B6:52:54:E2:E2:10:0D:D6:02:90:37:F0:96	37:D5:10:06:C5:12:EA:AB:62:64:21:F1:EC:8C:92:01:3F:C5:F8:2A:E9:8E:E5:33:EB:46:19:B8:DE:B4:D0:6C
C=US, O=GeoTrust Inc., CN=GeoTrust Universal CA 2	01	37:9A:19:7B:41:85:45:35:0C:A6:03:69:F3:3C:2E:AF:47:4F:20:79	A0:23:4F:3B:C8:52:7C:A5:62:8E:EC:81:AD:5D:69:89:5D:A5:68:0D:C9:1D:1C:B8:47:7F:33:F8:78:B9:5B:0B
C=US, O=GeoTrust Inc., OU=(c) 2007 GeoTrust Inc. - For authorized use only, CN=GeoTrust Primary Certification Authority - G2	3CB2F4480A00E2FEEB243B5E603EC36B	8D:17:84:D5:37:F3:03:7D:EC:70:FE:57:8B:51:9A:99:E6:10:D7:B0	5E:DB:7A:C4:3B:82:A0:6A:87:61:E8:D7:BE:49:79:EB:F2:61:1F:7D:D7:9B:F9:1C:1C:6B:56:6A:21:9E:D7:66
C=US, O=GeoTrust Inc., CN=GeoTrust Global CA	023456	DE:28:F4:A4:FF:E5:B9:2F:A3:C5:03:D1:A3:49:A7:F9:96:2A:82:12	FF:85:6A:2D:25:1D:CD:88:D3:66:56:F4:50:12:67:98:CF:AB:AA:DE:40:79:9C:72:2D:E4:D2:B5:DB:36:A7:3A
C=US, O=GeoTrust Inc., CN=GeoTrust Global CA 2	01	A9:E9:78:08:14:37:58:88:F2:05:19:B0:6D:2B:0D:2B:60:16:90:7D	CA:2D:82:A0:86:77:07:2F:8A:B6:76:4F:F0:35:67:6C:FE:3E:5E:32:5E:01:21:72:DF:3F:92:09:6D:B7:9B:85
C=US, O=GeoTrust Inc., CN=GeoTrust Universal CA	01	E6:21:F3:35:43:79:05:9A:4B:68:30:9D:8A:2F:74:22:15:87:EC:79	A0:45:9B:9F:63:B2:25:59:F5:FA:5D:4C:6D:B3:F9:F7:2F:F1:93:42:03:35:78:F0:73:BF:1D:1B:46:CB:B9:12

Cross Signed CAs				
Issuer	Subject	Serial Number	SHA1 Thumbprint	SHA2 Thumbprint
C=US, O=GeoTrust Inc., CN=GeoTrust Primary Certification Authority	C=US, O=DigiCert, Inc, OU=www.digicert.com, CN=GeoTrust Primary Transition Root	4DBD50EDA475A389AD18A0AA247D57C5	37:C8:DB:17:B0:D2:10:74:54:2B:77:0B:E2:D8:2E:55:95:2F:0A:64	F5:4F:6C:ED:56:CF:68:2B:57:0A:6C:AE:C3:13:E9:48:27:60:DE:12:E8:F9:28:AE:30:45:2C:4C:66:AC:76:1A

Class 3 CA	Serial Number	SHA1 Thumbprint	SHA2 Thumbprint
C=CH, O=Hostpoint AG, OU=Domain Validated SSL, CN=Hostpoint DV SSL CA - G1	5DC83594AA94674ABD0559D00CA943CA	0D:BB:0D:76:FC:68:A0:F7:C9:FF:DD:9F:80:35:12:02:BD:31:69:15	9F:4E:3C:42:FA:FE:DA:3C:F8:8C:05:CC:4B:4A:F0:C0:AF:30:64:15:C3:0D:3D:1E:EB:ED:EB:F7:D1:77:A9:82
C=CH, O=Hostpoint AG, OU=Domain Validated SSL, CN=Hostpoint DV SSL CA - G2	023A8D	51:F5:6D:08:1A:8D:FD:E5:6E:DA:F1:8A:81:EB:2E:6C:A6:8A:E3:AC	AB:D6:D0:53:FD:BE:35:6D:07:50:50:18:15:86:B0:B9:C2:B8:C0:32:98:AB:CE:64:CE:25:C4:04:01:DF:3B:22



C=CH, O=Hostpoint AG, OU=Domain Validated SSL, CN=Hostpoint DV SSL CA - G2	023A8C	E8:69:36:C0:28:9D:99:87:F 3:E6:36:98:56:47:B6:7E:79 :03:82:F6	2F:E0:55:9F:55:57:67:0C:F 5:C8:AE:01:22:38:73:B8:83 :6C:AE:2C:FD:25:96:1C:C9 :8E:E2:B9:43:A2:D6:5A
C=CN, O=TrustAsia Technologies, Inc., OU=Domain Validated SSL, CN=TrustAsia Technologies, Inc. DV SSL CA - G1	0F7978CB79BC6DA9536C17 E082672514	63:69:87:97:95:C1:2B:A5:F 3:F4:4D:1A:AB:E2:92:D3:8 6:C7:33:CC	39:97:C7:21:89:3B:39:26:D 3:93:8A:31:1C:A0:7A:26:1 B:2A:E2:2E:01:DC:58:7F:18 :1D:FF:15:B9:8B:4E:A6
C=CN, O=TrustAsia Technologies, Inc., OU=Domain Validated SSL, CN=TrustAsia Technologies, Inc. DV SSL CA - G2	023A91	63:53:94:51:40:BF:98:77:9 F:14:9E:C7:D2:89:2F:39:A3 :CB:8F:97	C1:89:49:E3:65:9F:F7:DF:2 2:B3:0E:C4:DA:6B:43:41:A F:8B:EE:00:E4:17:7A:7F:86 :FF:59:BC:46:B6:BA:40
C=DE, O=CertCenter AG, OU=Domain Validated SSL, CN=AlwaysOnSSL CA - G1	10DA57D151DF993CC13F0 D0938320702	C5:19:F8:F5:47:77:A7:74:B 0:4F:31:AC:25:DC:A7:E5:9 2:8F:83:21	EF:44:78:EB:09:4C:48:FB:9 F:EA:CA:09:73:62:70:49:9C :A5:2E:B0:4E:3F:8E:E4:C1: B2:ED:C9:96:03:98:FD
C=DE, O=CertCenter AG, OU=Domain Validated SSL, CN=AlwaysOnSSL CA - G2	023A8F	63:62:1C:BF:86:A6:F5:72:A 3:76:58:2F:BA:69:9D:1E:FF :50:64:C5	7D:89:AE:91:8B:25:AF:DF: 91:03:6E:EE:5C:15:E5:8C:6 0:0F:42:26:68:66:A8:DE:01 :C7:1D:BC:63:5C:A1:C0
C=DE, O=STRATO AG, OU=Domain Validated SSL, CN=STRATO SSL	023A6E	9C:86:76:86:68:F1:34:80:E 3:DF:CC:40:57:CF:52:12:A D:5B:87:D5	2E:7E:65:BB:1A:01:3D:AF: 0B:DF:69:38:50:2E:43:E3:8 2:17:FE:00:D7:6C:A2:F9:9F :7A:A9:E2:98:F4:85:34
C=DE, O=STRATO AG, OU=Domain Validated SSL, CN=STRATO SSL - G2	023A7C	89:30:C3:1A:0C:BD:AD:55: 83:57:DF:7D:59:A8:CD:58: 1C:12:72:F0	78:DC:9C:A5:F4:C2:91:3F: 3F:B7:4A:C5:2D:FF:FC:D2: 30:0D:A5:A7:72:FC:2B:84: C5:3A:2E:74:43:7E:DD:20
C=DE, O=STRATO AG, OU=Domain Validated SSL, CN=STRATO SSL - G3	3D3C4BFA06D2878F09FBCE B846875F93	09:7A:6D:83:23:79:A4:0F:F A:1B:29:67:DE:CB:B7:BA:E D:EA:E8:04	4F:D7:34:19:04:6F:90:86:8 8:26:D5:81:53:69:31:D2:2E :54:94:3E:BC:D0:59:CB:76: 21:39:4D:74:93:43:C5
C=DE, O=STRATO AG, OU=Domain Validated SSL, CN=STRATO SSL - G4	023A89	5D:80:02:9A:CD:6B:9F:17: 6B:23:7F:4E:21:DC:2C:FF: EF:48:81:DD	BC:3F:0A:DC:5F:F8:6A:4B: 37:4D:C6:91:F8:FE:27:3B:1 B:87:DC:73:E4:38:24:F5:FE :7F:36:C3:E0:00:83:11
C=DE, O=STRATO AG, OU=Domain Validated SSL, CN=STRATO SSL - G5	6989E500A92B4D3D06D47E B455D1CDE5	6F:EE:BF:0B:30:E9:DE:52:4 7:6D:57:77:22:B2:A5:A8:51 :10:A5:FF	8C:88:BA:51:05:29:B6:42:6 3:CC:B2:1A:73:D8:2B:A5:7 2:5A:55:C1:44:6F:25:47:BC :E3:01:FC:DC:43:14:DB
C=DE, O=STRATO AG, OU=Domain Validated SSL, CN=STRATO SSL CA - G4	023A88	7E:D0:83:AE:25:C7:00:88:6 8:BF:BE:A7:C1:06:0B:E6:D F:50:8F:8C	51:39:62:DB:15:55:DE:38:5 9:28:3A:81:B3:F7:02:DC:25 :A5:44:E6:D1:A7:17:F6:05: 39:7B:D7:EA:91:3B:76
C=JP, O=NTT DOCOMO, INC., OU=GeoRoot Certification Authority, CN=DKHS Device CA	0236CD	68:1B:7A:CE:23:28:00:F1:6 7:08:D4:2E:8A:A4:12:4A:F5 :33:F8:75	12:34:65:EE:C4:09:2F:8C:F 7:AB:FE:92:B8:C7:01:AC:0 9:EA:79:A4:98:F1:D3:F6:A0 :2C:17:14:F3:9A:84:23
C=JP, O=NTT DOCOMO, INC., OU=GeoRoot Certification Authority, CN=DKHS Device CA	0236CC	A0:2B:D3:AE:51:5C:AD:6A: 93:49:92:11:62:37:BC:3E:2 5:B6:50:8E	32:25:1B:9B:B3:D7:64:21: D3:B3:00:FC:ED:47:57:EE: E0:41:67:A7:27:90:4A:C1:8 8:B3:51:11:1D:26:1F:56



C=JP, O=NTT DOCOMO, INC., OU=GeoRoot Certification Authority, CN=DKHS Device CA - G2	023A80	1C:F9:42:06:E4:A8:00:BC:9 6:CF:CB:F1:44:F2:87:38:27 :A8:8E:17	F7:AE:9B:58:70:DC:DA:43: 19:05:AE:A0:3B:39:93:A3:4 E:87:7B:87:6B:78:41:52:81 :7F:1C:58:65:7E:37:C4
C=JP, O=NTT DOCOMO, INC., OU=GeoRoot Certification Authority, CN=DKHS Device CA - G2	023A81	C0:EC:D0:61:AC:BA:34:35: 7A:EA:F6:07:79:8B:03:4A:5 9:29:42:2B	56:CB:B0:FF:C4:14:E8:88:2 2:A5:0E:9F:42:D4:68:20:38 :1D:8C:2A:AE:EF:56:E0:56: 68:17:ED:30:F2:7A:27
C=NL, O=Intermediate Certificate, OU=Domain Validated SSL, CN=Intermediate Certificate DV SSL CA	023A60	B8:8B:12:4D:AF:3C:56:5B: 49:3A:C9:31:B5:DB:AC:29: 4F:12:97:1B	8C:27:45:35:22:89:E9:94:B 3:EA:34:94:45:B1:CF:64:18 :E5:17:40:E1:61:4F:8B:56: 67:DA:D2:99:0A:AE:FB
C=NL, O=Intermediate Certificate, OU=Domain Validated SSL, CN=Intermediate Certificate DV SSL CA - G2	023A7B	7A:D6:B0:09:15:1B:F9:55: CA:CB:BF:A0:14:A0:8B:7E: BA:4F:D3:91	D8:76:A0:81:FB:38:27:BA: 22:A4:08:7D:F6:75:12:6F:F 8:A9:6A:AB:90:36:4B:C6:1 F:62:CE:8E:95:07:AA:93
C=NL, O=Intermediate Certificate, OU=Domain Validated SSL, CN=Intermediate Certificate DV SSL CA - G3	48311FB72B93A88919860E 2F9A2387E3	B9:C6:48:4C:97:E0:26:66:3 E:BA:54:12:38:79:0E:6B:11 :6C:69:8D	E8:6B:C1:6C:C6:49:1E:5F:4 B:99:76:31:38:42:B3:D0:2C :99:EA:26:3A:EB:1D:C2:23: D8:98:FA:87:C8:48:45
C=NL, O=Trust Provider B.V., OU=Domain Validated SSL, CN=Trust Provider B.V. DV SSL CA - G1	7F2CF12628D31B32782845 B40F560CAE	E5:01:A0:64:1A:31:08:21:F C:B2:A0:67:7E:C5:9E:82:B 1:F8:59:D6	D6:EA:10:61:C2:8B:3D:B9: 6F:F5:BA:A1:40:AB:57:14:E 6:B0:B4:F5:D7:1A:BC:CD:2 4:2A:49:B9:B9:F4:DC:27
C=NL, O=Trust Provider B.V., OU=Domain Validated SSL, CN=Trust Provider B.V. DV SSL CA - G2	023A8E	C2:86:BC:CD:A5:70:09:28: 1B:21:0B:CC:4A:E1:83:FF: D0:9F:11:D7	81:05:1C:35:5E:C9:F5:A8:9 F:BA:91:D1:A5:BD:3F:05:0 1:EA:CD:80:EF:93:B2:18:00 :3D:95:CF:25:1A:76:70
C=US, O=GeoTrust Inc., CN=GeoTrust EV SSL CA - G4	6E8A90EBCFF0448A720D08 05D082A544	30:56:B3:43:48:5B:9D:55:F 3:E2:B1:77:A8:95:BB:04:63 :EE:3E:FD	95:B0:9D:02:12:2F:A8:AE:6 2:35:78:0F:6E:A6:50:3E:76 :7A:C0:21:A0:87:4F:E8:31: CE:80:3A:50:EA:8F:D7
C=US, O=GeoTrust Inc., CN=GeoTrust EV SSL CA - G5	3CB6BC2996B37A14A792D1 E5D8EC335A	71:71:C0:5A:62:7D:7C:63: 5F:8A:4D:F4:0F:7A:F5:B8:1 B:DE:B7:6D	5B:2A:E8:AB:F5:E7:E5:63:B B:C3:4C:97:A2:25:54:E8:23 :93:D7:AC:C0:9C:17:65:E5: 04:AE:08:C1:57:B5:AC
C=US, O=GeoTrust Inc., CN=GeoTrust EV SSL CA - G6	010019F5AA7269F88C1E1C 1211EC8D4F	B7:20:88:E6:F1:87:89:06:8 F:01:B2:5B:13:1A:7E:64:AA :A9:5E:59	41:9B:0C:9A:D6:B8:72:A8: B1:BB:87:34:1A:F6:3E:E9:2 E:69:B2:7B:99:66:62:E7:33 :03:2F:12:88:10:8D:FB
C=US, O=GeoTrust Inc., CN=GeoTrust EV SSL CA - G7	0100200B7C009A10A6DC0B E9EFA8FEF8	6B:F6:9B:90:22:C0:89:DF:4 B:49:BA:21:2B:8A:92:66:D 7:5A:44:66	54:6C:AF:F9:06:0E:EF:30:F 4:F3:E0:22:55:FB:F5:13:1E :65:7C:17:10:C9:A6:50:02: 01:33:A8:18:BE:C1:C8
C=US, O=GeoTrust Inc., CN=GeoTrust Extended Validation SHA256 SSL CA	5418A02AD0BF5719DDF723 36B147F0BA	E2:8A:01:56:B0:3C:75:E0:5 F:81:97:96:FF:E9:F9:8B:BA :B6:F1:E3	BC:9E:22:3C:C4:22:75:CC: 03:41:90:DF:2D:01:79:B5:5 B:73:2D:5A:C5:31:13:7A:7 B:52:2D:CF:E0:4A:05:92



C=US, O=GeoTrust Inc., CN=GeoTrust Extended Validation SSL CA - G2	0B1DB1A919F24C3C4EFCB5 7A6A4E6CBF	C4:FA:37:41:B7:A7:F1:F6: C2:3D:24:F4:20:9F:5A:49: CD:5E:55:C6	C7:B5:7A:02:F9:37:AE:0B: E3:E2:10:27:03:05:92:C9:D 4:7A:70:D7:01:3E:B3:AA:9 4:DB:C3:B7:B5:AB:06:62
C=US, O=GeoTrust Inc., CN=GeoTrust SHA256 SSL CA	4182127D12D9C6B3213943 12566400B8	2C:9A:FC:A5:55:8A:C6:A3: 25:C4:D0:27:63:16:D4:5F:0 6:B4:DD:37	D9:E0:C6:4A:B2:7A:64:D7: 9C:CC:F4:2A:34:EC:75:A2: 51:A7:E5:43:35:3C:19:E9:8 4:A7:0E:B2:F5:46:CD:FF
C=US, O=GeoTrust Inc., CN=GeoTrust SSL CA - G2	023A63	4F:56:64:48:58:82:9F:FB:8 5:A7:70:17:1A:CC:F9:F8:40 :7A:13:7B	90:AF:11:E5:77:C7:2C:94:0 B:40:EC:2F:3D:50:50:73:10 :09:1E:E6:19:6C:9C:16:B2: 28:88:22:64:A4:D8:08
C=US, O=GeoTrust Inc., CN=GeoTrust SSL CA - G2	023A62	95:6B:79:1B:2C:DD:61:FD: 26:65:4B:37:58:57:0E:4A:E F:DD:23:1F	5F:7C:89:EB:86:98:C2:0E:5 B:A9:EA:23:F0:D1:2E:DB:C 8:DB:1E:1D:27:62:64:B0:D 4:D1:59:A0:DE:DF:BD:8F
C=US, O=GeoTrust Inc., CN=GeoTrust SSL CA - G3	023A6F	5A:EA:EE:3F:7F:2A:94:49: CE:BA:FE:EC:68:FD:D1:84: F2:01:24:A7	07:45:41:EC:DF:88:ED:99:2 E:D5:AD:E3:EC:DD:EF:27:A 2:6B:A1:B4:44:80:A1:95:CO :A8:DA:DA:E2:52:1D:8E
C=US, O=GeoTrust Inc., CN=GeoTrust SSL CA - G4	023A79	AC:8F:7C:5B:C8:6E:F1:89: 6F:2D:16:1C:32:A5:7A:AB: 37:D3:64:DA	21:1D:DF:50:59:22:9B:35:7 7:76:0D:62:3D:51:48:DB:9 2:F2:D0:52:6E:A5:30:3E:7E :EA:03:00:D9:FA:FF:3F
C=US, O=GeoTrust Inc., CN=RapidSSL CA - G2	023A6C	A1:89:08:F0:9A:C3:9F:2C:9 7:EA:F2:57:72:B2:BA:19:5E :AE:DD:E7	0D:CD:C0:7E:CA:BB:BF:E3: 8A:46:06:BA:66:39:87:CD: B3:BD:98:17:FC:67:D1:DD: 0C:F0:94:AC:8C:A2:78:7D
C=US, O=GeoTrust Inc., CN=RapidSSL SHA256 CA	023A71	C8:6E:DB:C7:1A:B0:50:78: F6:1A:CD:F3:D8:DC:5D:B6: 1E:B7:5F:B6	E6:68:3E:88:31:5C:D1:CB: 40:3C:0C:EA:49:0F:7C:4B: 4C:82:C9:1C:D4:85:03:74: 89:AA:DB:AA:90:83:9F:61
C=US, O=GeoTrust Inc., CN=RapidSSL SHA256 CA - G2	48E99440D436491CB8B882 3D094394C7	2E:49:16:B0:7F:3D:E9:0C:8 D:DE:25:66:FD:9B:9B:40:0 D:89:BB:BA	92:EF:2F:5B:55:35:70:60:7 D:C2:9C:80:10:E7:AB:C1:6 2:83:FE:35:5F:95:5A:24:82 :54:29:0A:26:0A:9E:BB
C=US, O=GeoTrust Inc., CN=RapidSSL SHA256 CA - G3	023A77	0E:34:14:18:46:E7:42:3D:3 7:F2:0D:C0:AB:06:C9:BB:D 8:43:DC:24	BC:3F:03:A4:36:24:0E:DB: A5:F8:37:14:F6:F6:77:E3:4 B:37:F9:B1:F0:C0:8C:1E:55 :8D:98:1E:27:9E:82:09
C=US, O=GeoTrust Inc., CN=RapidSSL SHA256 CA - G4	281C892966144380426355 3A3240AEB3	DC:07:7C:4A:B3:42:2F:60: 8C:EE:83:D9:09:8B:FC:3A: 72:26:D6:A7	5B:87:E2:22:F2:03:46:FA:3 6:28:81:6E:D6:CE:71:FA:A B:A0:85:7F:B8:BC:BA:73:7 7:6E:A1:FA:56:CD:00:57
C=US, O=GeoTrust Inc., OU=Domain Validated SSL, CN=GeoTrust DV SSL CA	0236D2	BA:E3:0B:15:DB:B1:54:4C: F1:94:D0:76:B7:5B:7B:B9:E 3:D6:B7:60	C2:7F:D4:B8:5E:96:D3:77: 7C:68:AB:7D:F6:AA:4E:62: 6B:F3:FF:8C:72:B1:CE:81: D1:EB:78:BA:BE:B1:A0:74



C=US, O=GeoTrust Inc., OU=Domain Validated SSL, CN=GeoTrust DV SSL CA - G2	023A6B	E0:8B:1B:52:E7:8C:97:57:0 2:08:17:60:F2:16:D3:72:E1 :83:EC:5C	DE:DB:31:CB:CE:C5:F9:9D: 38:E8:6E:CC:4D:76:94:5D: F4:0F:2E:54:7C:94:E4:B0:1 2:40:94:87:5A:F6:A5:58
C=US, O=GeoTrust Inc., OU=Domain Validated SSL, CN=GeoTrust DV SSL CA - G3	023A73	55:83:E3:E1:A7:51:17:21:1 E:AF:C8:5E:D1:15:BB:C1:A C:96:9D:B5	51:CF:0F:FF:C3:25:3F:C0:1 3:AF:78:6F:95:B1:90:10:9F :8C:87:F3:4D:FD:1C:EC:44: C4:58:88:78:9F:53:55
C=US, O=GeoTrust Inc., OU=Domain Validated SSL, CN=GeoTrust DV SSL CA - G4	023A78	35:E5:40:F4:D3:6E:94:D9:0 0:5B:18:DC:E2:7C:A2:AE:8 C:A0:02:0D	8B:C1:B9:D7:DE:FC:CA:1C: CD:09:BA:CD:A8:8F:27:76: 20:92:F1:ED:4A:34:AE:5E:4 6:02:BB:9C:C9:15:C5:06
C=US, O=GeoTrust Inc., OU=Domain Validated SSL, CN=GeoTrust DV SSL SHA256 CA	5E631640DD196632B493A3 300790D756	86:8E:B3:38:C9:C0:D3:72:7 1:D1:D3:79:27:16:07:97:04 :10:7A:85	78:4A:CA:10:63:BE:47:00: B3:A6:2F:45:C2:F9:3B:7E:E F:8B:F2:30:FB:86:96:10:E8 :64:FC:4B:3A:23:D0:9F
C=US, O=GeoTrust Inc., OU=Domain Validated SSL, CN=GeoTrust DV SSL SHA256 CA - G2	1127EA3641C63623324773 D52372B202	A9:F3:F9:E7:06:F2:63:FC:A F:80:A2:90:C3:98:69:A2:C4 :91:CE:56	3F:DF:78:8A:5A:65:E6:A2:9 D:8C:15:50:D8:24:49:06:A 3:B8:A7:B7:D3:DA:9B:DE:D D:74:8E:41:83:A7:63:C9
C=US, O=GeoTrust, Inc., CN=GeoTrust ECC EV SSL CA	0F0C3729FDF4955BF865EB C5EEF432FC	FF:7D:03:52:18:E8:46:DC: A8:D9:04:BE:24:39:C5:3D: B5:F7:D8:AC	C1:31:49:9F:D8:6B:21:3D: B5:DE:FA:AF:D5:31:11:C2: 8A:2D:DA:F4:BA:46:5C:82: 65:A7:2D:6C:F7:39:B6:68
C=US, O=GeoTrust, Inc., CN=GeoTrust SSL CA	0236D0	78:0A:06:F6:E9:B4:06:1C:A D:0C:65:02:71:06:06:EB:53 :5F:1C:26	D4:C4:C9:98:19:F3:A5:F2: C6:26:1C:94:44:C6:2A:8B: 26:3B:39:BC:6A:CC:E3:5C: DC:AB:E2:72:D5:03:7F:B2
C=US, O=GeoTrust, Inc., CN=GeoTrust True Credentials CA 3	023A61	3C:24:FD:4E:7F:02:55:D7:E D:A2:3D:96:75:54:97:C6:5 2:A4:D9:60	5D:74:ED:61:D0:B3:11:E9: 81:BB:CF:0F:41:9A:35:FA:9 F:A1:EC:70:FF:1A:EB:74:2 D:73:BC:FE:BA:06:CF:FF
C=US, O=GeoTrust, Inc., CN=RapidSSL CA	0236D1	C0:39:A3:26:9E:E4:B8:E8:2 D:00:C5:3F:A7:97:B5:A1:9 E:83:6F:47	6D:5B:C9:79:46:1C:72:64:E 1:71:00:10:CD:7D:4E:A3:E C:57:FA:11:21:5F:04:FF:A5 :16:AE:61:95:9A:B2:B2
C=US, O=GeoTrust, Inc., OU=Domain Validated SSL, CN=GeoTrust Secure Site Starter DV SSL CA - G1	4DC436F724F684DB8C7949 9993F0994E	84:7E:D8:BD:0A:46:F1:0A: 89:B1:3D:C3:A1:1F:95:B3: 22:D3:F1:3C	62:FB:9B:6C:D2:63:3B:92: D9:1D:B2:64:CE:67:8A:9B: 19:C5:75:41:4A:B1:0A:D4: 6D:15:7F:07:BB:A2:6E:FF
C=US, O=GeoTrust, Inc., OU=Domain Validated SSL, CN=Secure Site Starter DV SSL CA - G2	42C7E6E9845223DD101F36 31D58708AD	99:16:1F:DB:4C:5A:40:88:7 5:7F:42:E0:D1:15:7B:38:1D :5E:E1:71	64:85:36:13:C2:43:63:99:6 0:3D:0D:56:0B:52:F0:4B:B 8:F8:1A:81:74:6E:42:38:98 :83:A4:F5:9A:45:64:D5
C=US, O=GeoTrust, Inc., OU=Domain Validated SSL, CN=Secure Site Starter DV SSL CA - G3	023A85	F0:02:9E:79:4D:51:80:63:4 B:34:AE:E2:9F:29:13:58:23 :2F:AA:04	2F:CC:00:9A:AF:DB:28:E9: 25:64:30:41:0A:6F:A6:E7:6 A:F0:93:01:B1:04:4F:EA:A A:CA:B0:02:15:AA:39:E1



C=US, O=GeoTrust, Inc., OU=For Internal Use Only, CN=RapidSSL Enterprise CA	023A5A	49:EA:7A:73:31:F1:31:2E:5C:58:B7:C3:07:32:53:FC:46:16:E4:D3	2A:40:0E:47:8B:9F:56:C1:37:62:A4:97:54:14:4B:6B:8C:4A:5A:1D:C8:E7:B3:1E:44:1D:0D:BD:1A:6A:4B:E4
C=US, O=GeoTrust, Inc., OU=For Internal Use Only, CN=RapidSSL Enterprise CA	023A5B	B5:DA:CA:45:79:09:34:37:CE:0F:DD:C6:33:D2:DD:B1:ED:0E:7C:72	87:AA:71:AF:03:2E:36:BD:69:DA:F4:01:4F:CA:D8:F2:73:3A:A0:0D:EA:B9:59:33:5A:E3:86:6E:4B:6D:3A:1D
C=US, O=Volusion, Inc., OU=Domain Validated SSL, CN=Volusion, Inc. DV SSL CA	023A5C	AF:83:5B:6C:3F:58:DF:1F:CF:E5:3C:DC:57:51:53:2C:F0:F0:78:2D	8F:DA:7A:88:13:54:6F:9A:7C:B0:65:CD:32:D3:65:0D:5B:56:A2:B7:F9:42:B9:49:9A:EB:42:A8:6A:3E:9D:56
C=US, O=Volusion, Inc., OU=Domain Validated SSL, CN=Volusion, Inc. DV SSL CA - G2	023A7A	2B:1E:D6:E9:4F:6C:88:F4:A7:AF:7C:A9:5F:FC:EF:30:A2:B5:0D:50	6F:F6:F6:3F:6A:0D:3D:63:44:6C:DA:A5:23:D2:62:73:B1:26:C0:2F:92:2E:05:D7:3C:47:48:EB:89:B8:63:93
C=US, O=Volusion, Inc., OU=Domain Validated SSL, CN=Volusion, Inc. DV SSL CA - G3	6525B603299E50D5FB1D92120F7E0622	EF:20:DE:67:87:91:5C:1E:74:69:2E:5C:8A:52:6F:70:37:EA:54:60	80:D9:ED:B4:5B:7F:59:2C:D3:02:54:E5:5B:C3:16:BB:F4:4E:47:DF:C0:C0:04:A3:83:28:1C:03:F3:45:BA:39
C=US, O=Volusion, Inc., OU=Domain Validated SSL, CN=Volusion, Inc. DV SSL CA - G4	023A87	C4:E3:1F:D9:A1:30:9C:0C:F8:C9:27:4D:2A:32:26:CB:5C:6B:D2:6B	ED:67:93:70:83:B0:73:9F:30:23:96:F9:74:AF:B4:1B:FB:A6:48:47:39:67:78:0B:2C:59:B8:8A:C4:12:1A:D4
C=US, O=Volusion, Inc., OU=Domain Validated SSL, CN=Volusion, Inc. DV SSL CA - G5	0CBEE62D6194EB94B579926557FB3011	A1:32:4C:43:09:CB:02:02:23:A0:06:C1:E0:78:F8:10:0C:68:BE:7F	9F:E3:06:E6:63:E4:59:64:46:44:F6:0A:71:53:A2:21:43:6F:B9:70:1A:0E:BD:91:24:EE:F8:15:9D:15:CB:43
C=US, O=GeoTrust Inc., OU=GeoTrust Authentication Services, CN=GeoTrust True Identity CA 2	023A58	A4:C7:79:FC:07:94:BB:BA:A6:E7:14:DE:C3:1D:46:AB:CE:5D:B9:70	FF:1D:35:ED:46:40:63:D6:03:1C:71:E4:14:26:2C:C2:31:0E:8C:54:7A:B7:F7:CF:29:55:C9:E0:34:9E:53:3F



DIGICERT, INC. MANAGEMENT'S ASSERTION

DigiCert, Inc. ("DigiCert") operates the GeoTrust Certification Authority ("CA") services for its CAs as enumerated in [Attachment B](#) and provides SSL CA services.

DigiCert management has assessed its disclosures of its certificate practices and controls over its SSL CA services. Based on that assessment, in providing its SSL 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 SSL certificate lifecycle management business practices in the applicable versions of its DigiCert Certificate Policy for Symantec Trust Network (STN) and DigiCert Certification Practices Statement for GeoTrust, RapidSSL and FreeSSL enumerated in [Attachment A](#), including its commitment to provide SSL certificates in conformity with the CA/Browser Forum Requirements on its [website](#), and provided such services in accordance with its disclosed practices
- maintained effective controls to provide reasonable assurance that:
 - the integrity of keys and SSL certificates it manages is established and protected throughout their lifecycles; and
 - SSL subscriber information is properly authenticated
- maintained effective controls to provide reasonable assurance that:
 - 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
- maintained effective controls to provide reasonable assurance that it meets the Network and Certificate System Security Requirements as set forth by the CA/Browser Forum

based on the [WebTrust Principles and Criteria for Certification Authorities - SSL Baseline with Network Security v2.2](#).

DigiCert, Inc.

A handwritten signature in blue ink, appearing to read "Jeremy Rowley", written over a light-colored rectangular background.

Jeremy Rowley
Executive VP of Product

January 29, 2019



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

Policy Name	Version	Date
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 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	15AC6E9419B2794B41F627A9C3180F1F	03:9E:ED:B8:0B:E7:A0:3C:69:53:89:3B:20:D2:D9:32:3A:4C:2A:FD	B4:78:B8:12:25:0D:F8:78:63:5C:2A:A7:EC:7D:15:5E:A6:62:5E:E8:29:16:E2:CD:29:43:61:88:6C:D1:FB:D4
C=US, O=GeoTrust Inc., CN=GeoTrust Primary Certification Authority	18ACB56AFD69B6153A636CAFDAFAC4A1	32:3C:11:8E:1B:F7:B8:B6:52:54:E2:E2:10:0D:D6:02:90:37:F0:96	37:D5:10:06:C5:12:EA:AB:62:64:21:F1:EC:8C:92:01:3F:C5:F8:2A:E9:8E:E5:33:EB:46:19:B8:DE:B4:D0:6C
C=US, O=GeoTrust Inc., CN=GeoTrust Universal CA 2	01	37:9A:19:7B:41:85:45:35:0C:A6:03:69:F3:3C:2E:AF:47:4F:20:79	A0:23:4F:3B:C8:52:7C:A5:62:8E:EC:81:AD:5D:69:89:5D:A5:68:0D:C9:1D:1C:B8:47:7F:33:F8:78:B9:5B:0B
C=US, O=GeoTrust Inc., OU=(c) 2007 GeoTrust Inc. - For authorized use only, CN=GeoTrust Primary Certification Authority - G2	3CB2F4480A00E2FEEB243B5E603EC36B	8D:17:84:D5:37:F3:03:7D:EC:70:FE:57:8B:51:9A:99:E6:10:D7:B0	5E:DB:7A:C4:3B:82:A0:6A:87:61:E8:D7:BE:49:79:EB:F2:61:1F:7D:D7:9B:F9:1C:1C:6B:56:6A:21:9E:D7:66
C=US, O=GeoTrust Inc., CN=GeoTrust Global CA	023456	DE:28:F4:A4:FF:E5:B9:2F:A3:C5:03:D1:A3:49:A7:F9:96:2A:82:12	FF:85:6A:2D:25:1D:CD:88:D3:66:56:F4:50:12:67:98:CF:AB:AA:DE:40:79:9C:72:2D:E4:D2:B5:DB:36:A7:3A
C=US, O=GeoTrust Inc., CN=GeoTrust Global CA 2	01	A9:E9:78:08:14:37:58:88:F2:05:19:B0:6D:2B:0D:2B:60:16:90:7D	CA:2D:82:A0:86:77:07:2F:8A:B6:76:4F:F0:35:67:6C:FE:3E:5E:32:5E:01:21:72:DF:3F:92:09:6D:B7:9B:85
C=US, O=GeoTrust Inc., CN=GeoTrust Universal CA	01	E6:21:F3:35:43:79:05:9A:4B:68:30:9D:8A:2F:74:22:15:87:EC:79	A0:45:9B:9F:63:B2:25:59:F5:FA:5D:4C:6D:B3:F9:F7:2F:F1:93:42:03:35:78:F0:73:BF:1D:1B:46:CB:B9:12

Cross Signed CAs				
Issuer	Subject	Serial Number	SHA1 Thumbprint	SHA2 Thumbprint
C=US, O=GeoTrust Inc., CN=GeoTrust Primary Certification Authority	C=US, O=DigiCert, Inc, OU=www.digicert.com, CN=GeoTrust Primary Transition Root	4DBD50EDA475A389AD18A0AA247D57C5	37:C8:DB:17:B0:D2:10:74:54:2B:77:0B:E2:D8:2E:55:95:2F:0A:64	F5:4F:6C:ED:56:CF:68:2B:57:0A:6C:AE:C3:13:E9:48:27:60:DE:12:E8:F9:28:AE:30:45:2C:4C:66:AC:76:1A

Class 3 CA	Serial Number	SHA1 Thumbprint	SHA2 Thumbprint
C=CH, O=Hostpoint AG, OU=Domain Validated SSL, CN=Hostpoint DV SSL CA - G1	5DC83594AA94674ABD0559D00CA943CA	0D:BB:0D:76:FC:68:A0:F7:C9:FF:DD:9F:80:35:12:02:BD:31:69:15	9F:4E:3C:42:FA:FE:DA:3C:F8:8C:05:CC:4B:4A:F0:C0:AF:30:64:15:C3:0D:3D:1E:EB:ED:EB:F7:D1:77:A9:82



C=CH, O=Hostpoint AG, OU=Domain Validated SSL, CN=Hostpoint DV SSL CA - G2	023A8D	51:F5:6D:08:1A:8D:FD:E5: 6E:DA:F1:8A:81:EB:2E:6C: A6:8A:E3:AC	AB:D6:D0:53:FD:BE:35:6D: 07:50:50:18:15:86:B0:B9:C 2:B8:C0:32:98:AB:CE:64:C E:25:C4:04:01:DF:3B:22
C=CH, O=Hostpoint AG, OU=Domain Validated SSL, CN=Hostpoint DV SSL CA - G2	023A8C	E8:69:36:C0:28:9D:99:87:F 3:E6:36:98:56:47:B6:7E:79 :03:82:F6	2F:E0:55:9F:55:57:67:0C:F 5:C8:AE:01:22:38:73:B8:83 :6C:AE:2C:FD:25:96:1C:C9 :8E:E2:B9:43:A2:D6:5A
C=CN, O=TrustAsia Technologies, Inc., OU=Domain Validated SSL, CN=TrustAsia Technologies, Inc. DV SSL CA - G1	0F7978CB79BC6DA9536C17 E082672514	63:69:87:97:95:C1:2B:A5:F 3:F4:4D:1A:AB:E2:92:D3:8 6:C7:33:CC	39:97:C7:21:89:3B:39:26:D 3:93:8A:31:1C:A0:7A:26:1 B:2A:E2:E:01:DC:58:7F:18 :1D:FF:15:B9:8B:4E:A6
C=CN, O=TrustAsia Technologies, Inc., OU=Domain Validated SSL, CN=TrustAsia Technologies, Inc. DV SSL CA - G2	023A91	63:53:94:51:40:BF:98:77:9 F:14:9E:C7:D2:89:2F:39:A3 :CB:8F:97	C1:89:49:E3:65:9F:F7:DF:2 2:B3:0E:C4:DA:6B:43:41:A F:8B:EE:00:E4:17:7A:7F:86 :FF:59:BC:46:B6:BA:40
C=DE, O=CertCenter AG, OU=Domain Validated SSL, CN=AlwaysOnSSL CA - G1	10DA57D151DF993CC13F0 D0938320702	C5:19:F8:F5:47:77:A7:74:B 0:4F:31:AC:25:DC:A7:E5:9 2:8F:83:21	EF:44:78:EB:09:4C:48:FB:9 F:EA:CA:09:73:62:70:49:9C :A5:2E:B0:4E:3F:8E:E4:C1: B2:ED:C9:96:03:98:FD
C=DE, O=CertCenter AG, OU=Domain Validated SSL, CN=AlwaysOnSSL CA - G2	023A8F	63:62:1C:BF:86:A6:F5:72:A 3:76:58:2F:BA:69:9D:1E:FF :50:64:C5	7D:89:AE:91:8B:25:AF:DF: 91:03:6E:EE:5C:15:E5:8C:6 0:0F:42:26:68:66:A8:DE:01 :C7:1D:BC:63:5C:A1:C0
C=DE, O=STRATO AG, OU=Domain Validated SSL, CN=STRATO SSL	023A6E	9C:86:76:86:68:F1:34:80:E 3:DF:CC:40:57:CF:52:12:A D:5B:87:D5	2E:7E:65:BB:1A:01:3D:AF: 0B:DF:69:38:50:2E:43:E3:8 2:17:FE:00:D7:6C:A2:F9:9F :7A:A9:E2:98:F4:85:34
C=DE, O=STRATO AG, OU=Domain Validated SSL, CN=STRATO SSL - G2	023A7C	89:30:C3:1A:0C:BD:AD:55: 83:57:DF:7D:59:A8:CD:58: 1C:12:72:F0	78:DC:9C:A5:F4:C2:91:3F: 3F:B7:4A:C5:2D:FF:FC:D2: 30:0D:A5:A7:72:FC:2B:84: C5:3A:2E:74:43:7E:DD:20
C=DE, O=STRATO AG, OU=Domain Validated SSL, CN=STRATO SSL - G3	3D3C4BFA06D2878F09FBCE B846875F93	09:7A:6D:83:23:79:A4:0F:F A:1B:29:67:DE:CB:B7:BA:E D:EA:E8:04	4F:D7:34:19:04:6F:90:86:8 8:26:D5:81:53:69:31:D2:2E :54:94:3E:BC:D0:59:CB:76: 21:39:4D:74:93:43:C5
C=DE, O=STRATO AG, OU=Domain Validated SSL, CN=STRATO SSL - G4	023A89	5D:80:02:9A:CD:6B:9F:17: 6B:23:7F:4E:21:DC:2C:FF: EF:48:81:DD	BC:3F:0A:DC:5F:F8:6A:4B: 37:4D:C6:91:F8:FE:27:3B:1 B:87:DC:73:E4:38:24:F5:FE :7F:36:C3:E0:00:83:11
C=DE, O=STRATO AG, OU=Domain Validated SSL, CN=STRATO SSL - G5	6989E500A92B4D3D06D47E B455D1CDE5	6F:EE:BF:0B:30:E9:DE:52:4 7:6D:57:77:22:B2:A5:A8:51 :10:A5:FF	8C:88:BA:51:05:29:B6:42:6 3:CC:B2:1A:73:D8:2B:A5:7 2:5A:55:C1:44:6F:25:47:BC :E3:01:FC:DC:43:14:DB
C=DE, O=STRATO AG, OU=Domain Validated SSL, CN=STRATO SSL CA - G4	023A88	7E:D0:83:AE:25:C7:00:88:6 8:BF:BE:A7:C1:06:0B:E6:D F:50:8F:8C	51:39:62:DB:15:55:DE:38:5 9:28:3A:81:B3:F7:02:DC:25



			:A5:44:E6:D1:A7:17:F6:05: 39:7B:D7:EA:91:3B:76
C=JP, O=NTT DOCOMO, INC., OU=GeoRoot Certification Authority, CN=DKHS Device CA	0236CD	68:1B:7A:CE:23:28:00:F1:6 7:08:D4:2E:8A:A4:12:4A:F5 :33:F8:75	12:34:65:EE:C4:09:2F:8C:F 7:AB:FE:92:B8:C7:01:AC:0 9:EA:79:A4:98:F1:D3:F6:A0 :2C:17:14:F3:9A:84:23
C=JP, O=NTT DOCOMO, INC., OU=GeoRoot Certification Authority, CN=DKHS Device CA	0236CC	A0:2B:D3:AE:51:5C:AD:6A: 93:49:92:11:62:37:BC:3E:2 5:B6:50:8E	32:25:1B:9B:B3:D7:64:21: D3:B3:00:FC:ED:47:57:EE: E0:41:67:A7:27:90:4A:C1:8 8:B3:51:11:1D:26:1F:56
C=JP, O=NTT DOCOMO, INC., OU=GeoRoot Certification Authority, CN=DKHS Device CA - G2	023A80	1C:F9:42:06:E4:A8:00:BC:9 6:CF:CB:F1:44:F2:87:38:27 :A8:8E:17	F7:AE:9B:58:70:DC:DA:43: 19:05:AE:A0:3B:39:93:A3:4 E:87:7B:87:6B:78:41:52:81 :7F:1C:58:65:7E:37:C4
C=JP, O=NTT DOCOMO, INC., OU=GeoRoot Certification Authority, CN=DKHS Device CA - G2	023A81	C0:EC:D0:61:AC:BA:34:35: 7A:EA:F6:07:79:8B:03:4A:5 9:29:42:2B	56:CB:B0:FF:C4:14:E8:88:2 2:A5:0E:9F:42:D4:68:20:38 :1D:8C:2A:AE:EF:56:E0:56: 68:17:ED:30:F2:7A:27
C=NL, O=Intermediate Certificate, OU=Domain Validated SSL, CN=Intermediate Certificate DV SSL CA	023A60	B8:8B:12:4D:AF:3C:56:5B: 49:3A:C9:31:B5:DB:AC:29: 4F:12:97:1B	8C:27:45:35:22:89:E9:94:B 3:EA:34:94:45:B1:CF:64:18 :E5:17:40:E1:61:4F:8B:56: 67:DA:D2:99:0A:AE:FB
C=NL, O=Intermediate Certificate, OU=Domain Validated SSL, CN=Intermediate Certificate DV SSL CA - G2	023A7B	7A:D6:B0:09:15:1B:F9:55: CA:CB:BF:A0:14:A0:8B:7E: BA:4F:D3:91	D8:76:A0:81:FB:38:27:BA: 22:A4:08:7D:F6:75:12:6F:F 8:A9:6A:AB:90:36:4B:C6:1 F:62:CE:8E:95:07:AA:93
C=NL, O=Intermediate Certificate, OU=Domain Validated SSL, CN=Intermediate Certificate DV SSL CA - G3	48311FB72B93A88919860E 2F9A2387E3	B9:C6:48:4C:97:E0:26:66:3 E:BA:54:12:38:79:0E:6B:11 :6C:69:8D	E8:6B:C1:6C:C6:49:1E:5F:4 B:99:76:31:38:42:B3:D0:2C :99:EA:26:3A:EB:1D:C2:23: D8:98:FA:87:C8:48:45
C=NL, O=Trust Provider B.V., OU=Domain Validated SSL, CN=Trust Provider B.V. DV SSL CA - G1	7F2CF12628D31B32782845 B40F560CAE	E5:01:A0:64:1A:31:08:21:F C:B2:A0:67:7E:C5:9E:82:B 1:F8:59:D6	D6:EA:10:61:C2:8B:3D:B9: 6F:F5:BA:A1:40:AB:57:14:E 6:B0:B4:F5:D7:1A:BC:CD:2 4:2A:49:B9:B9:F4:DC:27
C=NL, O=Trust Provider B.V., OU=Domain Validated SSL, CN=Trust Provider B.V. DV SSL CA - G2	023A8E	C2:86:BC:CD:A5:70:09:28: 1B:21:0B:CC:4A:E1:83:FF: D0:9F:11:D7	81:05:1C:35:5E:C9:F5:A8:9 F:BA:91:D1:A5:BD:3F:05:0 1:EA:CD:80:EF:93:B2:18:00 :3D:95:CF:25:1A:76:70
C=US, O=GeoTrust Inc., CN=GeoTrust EV SSL CA - G4	6E8A90EBCFF0448A720D08 05D082A544	30:56:B3:43:48:5B:9D:55:F 3:E2:B1:77:A8:95:BB:04:63 :EE:3E:FD	95:B0:9D:02:12:2F:A8:AE:6 2:35:78:0F:6E:A6:50:3E:76 :7A:C0:21:A0:87:4F:E8:31: CE:80:3A:50:EA:8F:D7
C=US, O=GeoTrust Inc., CN=GeoTrust EV SSL CA - G5	3CB6BC2996B37A14A792D1 E5D8EC335A	71:71:C0:5A:62:7D:7C:63: 5F:8A:4D:F4:0F:7A:F5:B8:1 B:DE:B7:6D	5B:2A:E8:AB:F5:E7:E5:63:B B:C3:4C:97:A2:25:54:E8:23 :93:D7:AC:C0:9C:17:65:E5: 04:AE:08:C1:57:B5:AC



C=US, O=GeoTrust Inc., CN=GeoTrust EV SSL CA - G6	010019F5AA7269F88C1E1C 1211EC8D4F	B7:20:88:E6:F1:87:89:06:8 F:01:B2:5B:13:1A:7E:64:AA :A9:5E:59	41:9B:0C:9A:D6:B8:72:A8: B1:BB:87:34:1A:F6:3E:E9:2 E:69:B2:7B:99:66:62:E7:33 :03:2F:12:88:10:8D:FB
C=US, O=GeoTrust Inc., CN=GeoTrust EV SSL CA - G7	0100200B7C009A10A6DC0B E9EFA8FEF8	6B:F6:9B:90:22:C0:89:DF:4 B:49:BA:21:2B:8A:92:66:D 7:5A:44:66	54:6C:AF:F9:06:0E:EF:30:F 4:F3:E0:22:55:FB:F5:13:1E :65:7C:17:10:C9:A6:50:02: 01:33:A8:18:BE:C1:C8
C=US, O=GeoTrust Inc., CN=GeoTrust Extended Validation SHA256 SSL CA	5418A02AD0BF5719DDF723 36B147FOBA	E2:8A:01:56:B0:3C:75:E0:5 F:81:97:96:FF:E9:F9:8B:BA :B6:F1:E3	BC:9E:22:3C:C4:22:75:CC: 03:41:90:DF:2D:01:79:B5:5 B:73:2D:5A:C5:31:13:7A:7 B:52:2D:CF:E0:4A:05:92
C=US, O=GeoTrust Inc., CN=GeoTrust Extended Validation SSL CA - G2	0B1DB1A919F24C3C4EFCB5 7A6A4E6CBF	C4:FA:37:41:B7:A7:F1:F6: C2:3D:24:F4:20:9F:5A:49: CD:5E:55:C6	C7:B5:7A:02:F9:37:AE:0B: E3:E2:10:27:03:05:92:C9:D 4:7A:70:D7:01:3E:B3:AA:9 4:DB:C3:B7:B5:AB:06:62
C=US, O=GeoTrust Inc., CN=GeoTrust SHA256 SSL CA	4182127D12D9C6B3213943 12566400B8	2C:9A:FC:A5:55:8A:C6:A3: 25:C4:D0:27:63:16:D4:5F:0 6:B4:DD:37	D9:E0:C6:4A:B2:7A:64:D7: 9C:CC:F4:2A:34:EC:75:A2: 51:A7:E5:43:35:3C:19:E9:8 4:A7:0E:B2:F5:46:CD:FF
C=US, O=GeoTrust Inc., CN=GeoTrust SSL CA - G2	023A63	4F:56:64:48:58:82:9F:FB:8 5:A7:70:17:1A:CC:F9:F8:40 :7A:13:7B	90:AF:11:E5:77:C7:2C:94:0 B:40:EC:2F:3D:50:50:73:10 :09:1E:E6:19:6C:9C:16:B2: 28:88:22:64:A4:D8:08
C=US, O=GeoTrust Inc., CN=GeoTrust SSL CA - G2	023A62	95:6B:79:1B:2C:DD:61:FD: 26:65:4B:37:58:57:0E:4A:E F:DD:23:1F	5F:7C:89:EB:86:98:C2:0E:5 B:A9:EA:23:F0:D1:2E:DB:C 8:DB:1E:1D:27:62:64:B0:D 4:D1:59:A0:DE:DF:BD:8F
C=US, O=GeoTrust Inc., CN=GeoTrust SSL CA - G3	023A6F	5A:EA:EE:3F:7F:2A:94:49: CE:BA:FE:EC:68:FD:D1:84: F2:01:24:A7	07:45:41:EC:DF:88:ED:99:2 E:D5:AD:E3:EC:DD:EF:27:A 2:6B:A1:B4:44:80:A1:95:CO :A8:DA:DA:E2:52:1D:8E
C=US, O=GeoTrust Inc., CN=GeoTrust SSL CA - G4	023A79	AC:8F:7C:5B:C8:6E:F1:89: 6F:2D:16:1C:32:A5:7A:AB: 37:D3:64:DA	21:1D:DF:50:59:22:9B:35:7 7:76:0D:62:3D:51:48:DB:9 2:F2:D0:52:6E:A5:30:3E:7E :EA:03:00:D9:FA:FF:3F
C=US, O=GeoTrust Inc., CN=RapidSSL CA - G2	023A6C	A1:89:08:F0:9A:C3:9F:2C:9 7:EA:F2:57:72:B2:BA:19:5E :AE:DD:E7	0D:CD:C0:7E:CA:BB:BF:E3: 8A:46:06:BA:66:39:87:CD: B3:BD:98:17:FC:67:D1:DD: 0C:F0:94:AC:8C:A2:78:7D
C=US, O=GeoTrust Inc., CN=RapidSSL SHA256 CA	023A71	C8:6E:DB:C7:1A:B0:50:78: F6:1A:CD:F3:D8:DC:5D:B6: 1E:B7:5F:B6	E6:68:3E:88:31:5C:D1:CB: 40:3C:0C:EA:49:0F:7C:4B: 4C:82:C9:1C:D4:85:03:74: 89:AA:DB:AA:90:83:9F:61
C=US, O=GeoTrust Inc., CN=RapidSSL SHA256 CA - G2	48E99440D436491CB8B882 3D094394C7	2E:49:16:B0:7F:3D:E9:0C:8 D:DE:25:66:FD:9B:9B:40:0 D:89:BB:BA	92:EF:2F:5B:55:35:70:60:7 D:C2:9C:80:10:E7:AB:C1:6



			2:83:FE:35:5F:95:5A:24:82 :54:29:0A:26:0A:9E:BB
C=US, O=GeoTrust Inc., CN=RapidSSL SHA256 CA - G3	023A77	0E:34:14:18:46:E7:42:3D:3 7:F2:0D:C0:AB:06:C9:BB:D 8:43:DC:24	BC:3F:03:A4:36:24:0E:DB: A5:F8:37:14:F6:F6:77:E3:4 B:37:F9:B1:F0:C0:8C:1E:55 :8D:98:1E:27:9E:82:09
C=US, O=GeoTrust Inc., CN=RapidSSL SHA256 CA - G4	281C892966144380426355 3A3240AEB3	DC:07:7C:4A:B3:42:2F:60: 8C:EE:83:D9:09:8B:FC:3A: 72:26:D6:A7	5B:87:E2:22:F2:03:46:FA:3 6:28:81:6E:D6:CE:71:FA:A B:A0:85:7F:B8:BC:BA:73:7 7:6E:A1:FA:56:CD:00:57
C=US, O=GeoTrust Inc., OU=Domain Validated SSL, CN=GeoTrust DV SSL CA	0236D2	BA:E3:0B:15:DB:B1:54:4C: F1:94:D0:76:B7:5B:7B:B9:E 3:D6:B7:60	C2:7F:D4:B8:5E:96:D3:77: 7C:68:AB:7D:F6:AA:4E:62: 6B:F3:FF:8C:72:B1:CE:81: D1:EB:78:BA:BE:B1:A0:74
C=US, O=GeoTrust Inc., OU=Domain Validated SSL, CN=GeoTrust DV SSL CA - G2	023A6B	E0:8B:1B:52:E7:8C:97:57:0 2:08:17:60:F2:16:D3:72:E1 :83:EC:5C	DE:DB:31:CB:CE:C5:F9:9D: 38:E8:6E:CC:4D:76:94:5D: F4:0F:2E:54:7C:94:E4:B0:1 2:40:94:87:5A:F6:A5:58
C=US, O=GeoTrust Inc., OU=Domain Validated SSL, CN=GeoTrust DV SSL CA - G3	023A73	55:83:E3:E1:A7:51:17:21:1 E:AF:C8:5E:D1:15:BB:C1:A C:96:9D:B5	51:CF:0F:FF:C3:25:3F:C0:1 3:AF:78:6F:95:B1:90:10:9F :8C:87:F3:4D:FD:1C:EC:44: C4:58:88:78:9F:53:55
C=US, O=GeoTrust Inc., OU=Domain Validated SSL, CN=GeoTrust DV SSL CA - G4	023A78	35:E5:40:F4:D3:6E:94:D9:0 0:5B:18:DC:E2:7C:A2:AE:8 C:A0:02:0D	8B:C1:B9:D7:DE:FC:CA:1C: CD:09:BA:CD:A8:8F:27:76: 20:92:F1:ED:4A:34:AE:5E:4 6:02:BB:9C:C9:15:C5:06
C=US, O=GeoTrust Inc., OU=Domain Validated SSL, CN=GeoTrust DV SSL SHA256 CA	5E631640DD196632B493A3 300790D756	86:8E:B3:38:C9:C0:D3:72:7 1:D1:D3:79:27:16:07:97:04 :10:7A:85	78:4A:CA:10:63:BE:47:00: B3:A6:2F:45:C2:F9:3B:7E:E F:8B:F2:30:FB:86:96:10:E8 :64:FC:4B:3A:23:D0:9F
C=US, O=GeoTrust Inc., OU=Domain Validated SSL, CN=GeoTrust DV SSL SHA256 CA - G2	1127EA3641C63623324773 D52372B202	A9:F3:F9:E7:06:F2:63:FC:A F:80:A2:90:C3:98:69:A2:C4 :91:CE:56	3F:DF:78:8A:5A:65:E6:A2:9 D:8C:15:50:D8:24:49:06:A 3:B8:A7:B7:D3:DA:9B:DE:D D:74:8E:41:83:A7:63:C9
C=US, O=GeoTrust, Inc., CN=GeoTrust ECC EV SSL CA	0F0C3729FDF4955BF865EB C5EEF432FC	FF:7D:03:52:18:E8:46:DC: A8:D9:04:BE:24:39:C5:3D: B5:F7:D8:AC	C1:31:49:9F:D8:6B:21:3D: B5:DE:FA:AF:D5:31:11:C2: 8A:2D:DA:F4:BA:46:5C:82: 65:A7:2D:6C:F7:39:B6:68
C=US, O=GeoTrust, Inc., CN=GeoTrust SSL CA	0236D0	78:0A:06:F6:E9:B4:06:1C:A D:0C:65:02:71:06:06:EB:53 :5F:1C:26	D4:C4:C9:98:19:F3:A5:F2: C6:26:1C:94:44:C6:2A:8B: 26:3B:39:BC:6A:CC:E3:5C: DC:AB:E2:72:D5:03:7F:B2
C=US, O=GeoTrust, Inc., CN=GeoTrust True Credentials CA 3	023A61	3C:24:FD:4E:7F:02:55:D7:E D:A2:3D:96:75:54:97:C6:5 2:A4:D9:60	5D:74:ED:61:D0:B3:11:E9: 81:BB:CF:0F:41:9A:35:FA:9 F:A1:EC:70:FF:1A:EB:74:2 D:73:BC:FE:BA:06:CF:FF



C=US, O=GeoTrust, Inc., CN=RapidSSL CA	0236D1	C0:39:A3:26:9E:E4:B8:E8:2 D:00:C5:3F:A7:97:B5:A1:9 E:83:6F:47	6D:5B:C9:79:46:1C:72:64:E 1:71:00:10:CD:7D:4E:A3:E C:57:FA:11:21:5F:04:FF:A5 :16:AE:61:95:9A:B2:B2
C=US, O=GeoTrust, Inc., OU=Domain Validated SSL, CN=GeoTrust Secure Site Starter DV SSL CA - G1	4DC436F724F684DB8C7949 9993F0994E	84:7E:D8:BD:0A:46:F1:0A: 89:B1:3D:C3:A1:1F:95:B3: 22:D3:F1:3C	62:FB:9B:6C:D2:63:3B:92: D9:1D:B2:64:CE:67:8A:9B: 19:C5:75:41:4A:B1:0A:D4: 6D:15:7F:07:BB:A2:6E:FF
C=US, O=GeoTrust, Inc., OU=Domain Validated SSL, CN=Secure Site Starter DV SSL CA - G2	42C7E6E9845223DD101F36 31D58708AD	99:16:1F:DB:4C:5A:40:88:7 5:7F:42:E0:D1:15:7B:38:1D :5E:E1:71	64:85:36:13:C2:43:63:99:6 0:3D:0D:56:0B:52:F0:4B:B 8:F8:1A:81:74:6E:42:38:98 :83:A4:F5:9A:45:64:D5
C=US, O=GeoTrust, Inc., OU=Domain Validated SSL, CN=Secure Site Starter DV SSL CA - G3	023A85	F0:02:9E:79:4D:51:80:63:4 B:34:AE:E2:9F:29:13:58:23 :2F:AA:04	2F:CC:00:9A:AF:DB:28:E9: 25:64:30:41:0A:6F:A6:E7:6 A:F0:93:01:B1:04:4F:EA:A A:CA:B0:02:15:AA:39:E1
C=US, O=GeoTrust, Inc., OU=For Internal Use Only, CN=RapidSSL Enterprise CA	023A5A	49:EA:7A:73:31:F1:31:2E:5 C:58:B7:C3:07:32:53:FC:46 :16:E4:D3	2A:40:0E:47:8B:9F:56:C1:3 7:62:A4:97:54:14:4B:6B:8C :4A:5A:1D:C8:E7:B3:1E:44: 1D:0D:BD:1A:6A:4B:E4
C=US, O=GeoTrust, Inc., OU=For Internal Use Only, CN=RapidSSL Enterprise CA	023A5B	B5:DA:CA:45:79:09:34:37: CE:0F:DD:C6:33:D2:DD:B1: ED:0E:7C:72	87:AA:71:AF:03:2E:36:BD: 69:DA:F4:01:4F:CA:D8:F2: 73:3A:A0:0D:EA:B9:59:33: 5A:E3:86:6E:4B:6D:3A:1D
C=US, O=Volusion, Inc., OU=Domain Validated SSL, CN=Volusion, Inc. DV SSL CA	023A5C	AF:83:5B:6C:3F:58:DF:1F: CF:E5:3C:DC:57:51:53:2C: F0:F0:78:2D	8F:DA:7A:88:13:54:6F:9A:7 C:B0:65:CD:32:D3:65:0D:5 B:56:A2:B7:F9:42:B9:49:9A :EB:42:A8:6A:3E:9D:56
C=US, O=Volusion, Inc., OU=Domain Validated SSL, CN=Volusion, Inc. DV SSL CA - G2	023A7A	2B:1E:D6:E9:4F:6C:88:F4:A 7:AF:7C:A9:5F:FC:EF:30:A 2:B5:0D:50	6F:F6:F6:3F:6A:0D:3D:63:4 4:6C:DA:A5:23:D2:62:73:B 1:26:C0:2F:92:2E:05:D7:3C :47:48:EB:89:B8:63:93
C=US, O=Volusion, Inc., OU=Domain Validated SSL, CN=Volusion, Inc. DV SSL CA - G3	6525B603299E50D5FB1D92 120F7E0622	EF:20:DE:67:87:91:5C:1E:7 4:69:2E:5C:8A:52:6F:70:37 :EA:54:60	80:D9:ED:B4:5B:7F:59:2C: D3:02:54:E5:5B:C3:16:BB: F4:4E:47:DF:C0:C0:04:A3: 83:28:1C:03:F3:45:BA:39
C=US, O=Volusion, Inc., OU=Domain Validated SSL, CN=Volusion, Inc. DV SSL CA - G4	023A87	C4:E3:1F:D9:A1:30:9C:0C: F8:C9:27:4D:2A:32:26:CB: 5C:6B:D2:6B	ED:67:93:70:83:B0:73:9F:3 0:23:96:F9:74:AF:B4:1B:FB :A6:48:47:39:67:78:0B:2C: 59:B8:8A:C4:12:1A:D4
C=US, O=Volusion, Inc., OU=Domain Validated SSL, CN=Volusion, Inc. DV SSL CA - G5	0CBEE62D6194EB94B57992 6557FB3011	A1:32:4C:43:09:CB:02:02:2 3:A0:06:C1:E0:78:F8:10:0C :68:BE:7F	9F:E3:06:E6:63:E4:59:64:4 6:44:F6:0A:71:53:A2:21:43 :6F:B9:70:1A:0E:BD:91:24: EE:F8:15:9D:15:CB:43
C=US, O=GeoTrust Inc., OU=GeoTrust Authentication	023A58	A4:C7:79:FC:07:94:BB:BA: A6:E7:14:DE:C3:1D:46:AB: CE:5D:B9:70	FF:1D:35:ED:46:40:63:D6:0 3:1C:71:E4:14:26:2C:C2:31



Services, CN=GeoTrust True Identity CA 2			:0E:8C:54:7A:B7:F7:CF:29: 55:C9:E0:34:9E:53:3F
---	--	--	---



**Assertion by Management of VeriSign, Inc. Regarding Its Controls
Over DigiCert Certification Authority Operations Hosted in New Castle, Delaware
During the Period November 1, 2017 to October 31, 2018**

VeriSign, Inc. ("Verisign"), an independent service organization (sub-service provider), provides datacenter hosting services to DigiCert, Inc. ("DigiCert") for its Symantec, GeoTrust and Thawte Certification Authority operations ("CAs") hosted in New Castle, Delaware.

The management of Verisign is responsible for establishing and maintaining effective controls over its datacenter hosting services for the Symantec, GeoTrust and Thawte CAs hosted in New Castle, Delaware including CA environmental controls (limited to physical and environmental security), in accordance with applicable versions of the DigiCert Certificate Policy and Symantec, GeoTrust, and Thawte Certification Practice Statements. 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 Verisign's datacenter hosting services for Symantec, GeoTrust and Thawte CAs hosted in New Castle, Delaware. Furthermore, because of changes in conditions, the effectiveness of controls may vary over time.

Management has assessed the controls over its data center hosting services for Symantec, GeoTrust and Thawte CA operations. Based on that assessment, in Verisign management's opinion, in providing its datacenter hosting services in New Castle, Delaware during the period November 1, 2017 to October 31, 2018, Verisign has maintained effective controls to provide reasonable assurance that physical access to CA systems is restricted to authorized individuals based on the WebTrust Principles and Criteria for Certification Authorities - SSL Baseline with Network Security v2.2.

VeriSign, Inc.

Pool, Dave

Digitally signed by Pool,
Dave
Date: 2019.01.29 07:51:17
-08'00'

Joseph David Pool
Senior Vice President, Technology Services

DATE